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Be Social

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"Like" AASLD on Facebook for photos and other meeting content

aasld.org/Instagram
Look for candid pictures from The Liver Meeting® on AASLD’s Instagram account

aasld.org/YouTube
Watch exclusive meeting-related videos on AASLD’s YouTube channel

Please note: Information in this agenda is current as of TBD. For the most up-to-date program information, download The Liver Meeting® app or visit aasld.org/livermtg18app.
Welcome to San Francisco!

We are delighted to have you join us for The Liver Meeting® 2018, including AASLD’s Annual Meeting and Postgraduate Course. Our Scientific Program Committee has created an exciting and diverse educational and scientific program highlighting cutting-edge technology, emerging clinical trends and hot topics of interest to the hepatology community.

**AASLD Leadership**

The AASLD Governing Board consists of eleven members who are responsible for managing the affairs of the association. The Board is also responsible for reviewing, establishing and updating professional, scientific and administrative policies as outlined within the Bylaws of the association. Members of the Governing Board include:

- **President:** Ronald J. Sokol, MD, FAASLD
- **President-elect:** Michael W. Fried, MD, FAASLD
- **Past-President:** Anna S. Lok, MD, FAASLD
- **Secretary:** Kimberly A. Brown, MD, FAASLD
- **Treasurer:** Bruce A. Luxon, MD, PhD, FAASLD

**Councilors**

- Jorge A. Bezerra, MD, FAASLD
- Raymond T. Chung, MD, FAASLD
- Laurie D. DeLeve, MD, PhD, FAASLD

**Councilors-at-large**

- Julie K. Heimbach, MD, FAASLD
- John R. Lake, MD, FAASLD
- Lopa Mishra, MD, FAASLD

**The Liver Meeting® Scientific Program Committee**

The Scientific Program Committee (SPC) consists of the following eleven members who have committed their time and effort in developing the scientific and educational programming for this year’s meeting:

- **Chair:**
  - Ronald J. Sokol, MD, FAASLD

- **Co-Chair:**
  - Kimberly A. Brown, MD, FAASLD

- **President-elect:**
  - Michael W. Fried, MD, FAASLD

- **Senior Councilor:**
  - Jorge A. Bezerra, MD, FAASLD

- **Annual Meeting Education Committee:**
  - Grace L. Su, MD, FAASLD

- **Basic Research Committee:**
  - Harmeet Malhi, MD, MBBS, FAASLD

- **Clinical Research Committee:**
  - Cynthia Levy, MD, FAASLD

- **CME Committee:**
  - Alex Befeler, MD

- **Hepatology Associates Committee:**
  - Patrick M. Home, MSN, ARNP, FNP-BC

- **Surgery and Liver Transplantation Committee:**
  - John C. Magee, MD

- **Training and Workforce Committee:**
  - K. Gautham Reddy, MD, FAASLD

**Get Involved**

AASLD committees offer a one-of-a-kind opportunity to members to become active in a wide range of areas of importance to hepatology professionals. Committee members deal with the issues and challenges affecting their area of expertise within the field, and help devise strategies, plans, and programs as directed by the Governing Board and the AASLD strategic plan. Annual calls for nominations will open on October 15.

To review the full list of AASLD committees, their charges and to participate in the nominations process, visit us at aasld.org/membership/member-committees.
Session Guide

The Liver Meeting® Final Program features the program content organized by day. Dates and times are subject to change. For the most up-to-date version of the program, consult The Liver Meeting® app. Below is a session guide to assist you in understanding the different components of the meeting:

Annual Meeting Programming

(includes Annual Meeting, Clinical Focus, Basic Science and Flex Package Registrants)

SIG Programs feature highly focused didactic lectures for scientists and health care professionals on a range of topics within the field of hepatology. Fourteen SIGs will present content on a variety of topics that speak to attendees’ various special interests.

Education Sessions examine the most recent trends and advancements in hepatology, both domestically and worldwide. Sessions include the General Hepatology Update, Global Forum, Emerging Trends Symposium, Advances for Practitioners, Hepatitis Debrief, Clinical Hepatology Debrief, NAFLD Debrief, Maintenance of Certification (MOC) Update, Academic Debates, Value-based Medicine in Hepatology, and the State-of-the-Art and President’s Choice lectures.

Courses and Workshops are open to attendees registered for the Annual Meeting and target specific areas in hepatology based on professional background. Courses include a program dedicated to Hepatology Associates, a pediatric hepatology symposium with NASPGHAN, and Workshops addressing content areas in basic research, clinical research, career development and transplant surgery. A Transplant Hepatology Fellowship Program Director’s Workshop is also offered for attendees involved in academia.

Oral Abstract Sessions feature a series of didactic presentations representing important basic, clinical and translational research findings by topic category, and include the Plenary, Parallel and Late-breaking abstract sessions.

Poster Sessions provide an opportunity for authors to display and discuss their research. Approximately 2,000 basic science and clinical posters are scheduled for presentation. Exclusive networking opportunities enable attendees and researchers to connect and establish new collaborations during these sessions.

Award Presentations will be presented throughout to recognize award recipients.

Ticketed Courses

Ticketed courses range from small-group interactive sessions to full day programming covering a variety of focused topics and require a separate registration and fee (ticket) to attend.

Courses include:

- AASLD/ASGE Endoscopy Course
- AASLD/ILTS Transplant Course
- Basic Science Symposium
- Postgraduate Course
- Early Morning Workshops
- Meet-the-Professor Luncheons
Continuing Education Information

The Liver Meeting® will facilitate the exchange of groundbreaking information on clinical, basic and translational research in diseases of the liver and biliary tract and liver transplantation. Through educational and scientific sessions presenting the latest research, hepatology health care professionals worldwide can utilize new medical evidence that enhances their ability to appropriately identify and manage their patients, and ultimately impact the health of their patients.

Needs Statement

Acute and chronic liver diseases are among the ten leading causes of deaths in the United States. The Liver Meeting® will facilitate the exchange of scientific knowledge from cutting-edge clinical, basic and translational research in liver transplantation and diseases of the liver and biliary tract. Integrating evidence-based medicine and new quality concepts into practice is essential to ultimately improve health outcomes. Through networking opportunities and a variety of educational and interactive sessions, healthcare professionals worldwide can effectively diagnose and manage liver disorders.

Target Audience

All healthcare providers with an interest in hepatology will benefit from the information presented at The Liver Meeting®, including:

- Hepatologists
- Gastroenterologists
- Nurses
- Nurse Practitioners
- Pharmacists
- Physician Assistants
- Transplant Coordinators
- Surgeons
- Fellows/Trainees
- Internal Medicine Physicians
- Internal Medicine Residents and Medical Students
- Researchers
- Cell Biologists
- Lawyers who specialize in medical practice
- Infectious Disease Specialists
- Public Health Workers
- Research Coordinators
- Nurse Educators
- Pharmaceutical Industry Representatives

Learning Objectives

Upon completion of this live activity, learners will be able to:

- Evaluate recent advancements in groundbreaking basic, translational, comparative effectiveness, outcomes and clinical research in diseases of the liver and biliary tract that may be readily incorporated into practice.
- Examine short and long-term patient outcomes following liver transplantation by integrating current evidence-based practice in pre-transplant clinical care, advances in surgical techniques and state-of-the-art post-operative management.
- Formulate partnerships and develop comparative effectiveness projects, design clinical trials and complete on-going investigative efforts to improve the health outcomes in acute and chronic diseases of the liver and biliary tract.

Core Competencies

The Liver Meeting® was planned in the context of the following ACGME/IOM/IPEC competencies: Patient Care and Procedural Skills, Medical Knowledge, Practice-based Learning and Improvement, Interpersonal and Communication Skills, Professionalism, Systems-based Practice, Provide Patient-centered Care, Work in Interdisciplinary Teams, Employ Evidence-based Practice, Apply Quality Improvements, Utilize Informatics, Values/Ethics for Interprofessional Practice, Roles/Responsibilities, Interprofessional Communication, Teams and Teamwork.
Continuing Education Statements

The Liver Meeting® offers a variety of Continuing Education resources designed to engage hepatology professionals in lifelong learning opportunities along with the chance to stay current on the latest trends in clinical management of diseases of the liver and biliary tract and in liver transplantation.

Continuing Medical Education (CME) Statement

The American Association for the Study of Liver Diseases (AASLD) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit Designation Statements

Annual Meeting
The American Association for the Study of Liver Diseases (AASLD) designates this live activity for a maximum of 35.75 AMA PRA Category 1 credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AASLD/ASGE Endoscopy Course
The American Association for the Study of Liver Diseases (AASLD) designates this live activity for a maximum of 6.50 AMA PRA Category 1 credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Basic Science Symposium
The American Association for the Study of Liver Diseases (AASLD) designates this live activity for a maximum of 7.0 AMA PRA Category 1 credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Postgraduate Course
The American Association for the Study of Liver Diseases (AASLD) designates this live activity for a maximum of 6.75 AMA PRA Category 1 credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AASLD/ILTS Transplant Course

CME Statement: This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American Association for the Study of Liver Diseases (AASLD) and the International Liver Transplantation Society (ILTS). The AASLD is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation Statement:
The American Association for the Study of Liver Diseases (AASLD) designates this live activity for a maximum of 5.75 AMA PRA Category 1 credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Please note: Select sessions may not be eligible for CME credit, and will be noted accordingly.

Maintenance of Certification (MOC)
During The Liver Meeting®, designated Annual Meeting sessions and the Postgraduate Course are offering the opportunity to earn ABIM and ABP MOC points.

American Board of Internal Medicine (ABIM) MOC Statement

Annual Meeting
Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 12.25 MOC points in the American Board of Internal Medicine’s (ABIM) Maintenance of Certification (MOC) program. It is the CME activity provider’s responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

Postgraduate Course
Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 6.75 MOC points in the American Board of Internal Medicine’s (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider’s responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.
American Board of Pediatrics (ABP) MOC Statement

Postgraduate Course
Successful completion of this CME activity, which includes participation in the activity, with individual assessments of the participation and feedback to the participant, enables the participant to earn 6.0 MOC points in the American Board of Pediatrics (ABP) Maintenance of Certification (MOC) program. It is the CME activity provider’s responsibility to submit participant completion information to ACCME for the purpose of granting ABP MOC credit.

ABIM and ABP MOC Points Breakdown

<table>
<thead>
<tr>
<th>Course/ Session</th>
<th>Session Time</th>
<th>ABIM MOC Points</th>
<th>ABP MOC Points</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Friday, November 9</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Academic Debates</td>
<td>4:30 PM – 6:30 PM</td>
<td>2.0</td>
<td></td>
</tr>
<tr>
<td><strong>Saturday, November 10</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postgraduate Course</td>
<td>8:00 AM – 5:00 PM</td>
<td>6.75</td>
<td>6.0</td>
</tr>
<tr>
<td>Surgery and Liver Transplantation Committee/Liver</td>
<td>9:00 AM – 3:30 PM</td>
<td>5.25</td>
<td></td>
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<tr>
<td>Transplantation and Surgery SIG – Joint Program</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>Sunday, November 11</strong></td>
<td></td>
<td></td>
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<tr>
<td>Thomas E Starzl Transplant Surgery State-of-the Art</td>
<td>9:30 AM – 10:00 AM</td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>Lecture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Hepatology Update</td>
<td>2:00 PM – 3:30 PM</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>Maintenance of Certification (MOC) Update</td>
<td>2:00 PM – 3:30 PM</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>Value-based Medicine in Hepatology</td>
<td>2:00 PM – 4:00 PM</td>
<td>2.0</td>
<td></td>
</tr>
<tr>
<td><strong>Monday, November 12</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advances for Practitioners</td>
<td>10:30 AM – 12:30 PM</td>
<td>2.0</td>
<td></td>
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<tr>
<td><strong>Tuesday, November 13</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leon Schiff State-of-the Art Lecture</td>
<td>10:30 AM – 11:00 AM</td>
<td>0.5</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td>11.75 – 13.75*</td>
<td>6.0</td>
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</tbody>
</table>

*ABIM MOC Points: *The maximum available ABIM MOC points is based on which session(s) you attend. Note that duplicate points cannot be claimed for sessions occurring at the same time.

**ABP MOC Points:** Only the Postgraduate Course qualifies for ABP MOC points – you must attend the entire course and complete the MOC evaluation for ABP MOC points.

Continuing Education (CE) Statement

Accreditation Statement
In support of improving patient care, this activity has been planned and implemented by Amedco LLC and the American Association for the Study of Liver Diseases. Amedco LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Credit Designation Statement – Amedco LLC designates this live activity for a maximum of 16.0 contact hours for nurses (AASLD/ILTS Transplant Course 5.50 hours, Postgraduate Course 6.75 hours and Hepatology Associates Course 3.75 hours). Learners should claim only the credit commensurate with the extent of their participation in the activity.

Nurse Pharmacology Credits
Please note on-site agenda for identification of sessions eligible for pharmacotherapeutic hours and self-submit those to your board. Keep the agenda as a reference in case they have questions. Maximum of 14.0 hours.
Continuing Education Evaluations

A variety of continuing education evaluations are available to obtain CME/CE credits or MOC points based on your level of participation. Evaluations may be completed during or after the meeting. Certificates of Attendance are also available for noncredit seeking attendees.

The CME/CE* evaluations are online and can be completed in the following ways:

- **During the session:** Download The Liver Meeting® app and evaluate the sessions in real time – refer to the CME icon to access the evaluation.
- **In your hotel room or at home:** Access the evaluation website using your personal device of choice. A link to the CME and CE* evaluation websites will be available at aasld.org/LiverMeeting.
- **At Tech Connect:** Visit Tech Connect in the South Lobby to access the evaluation from any available kiosk.

**DEADLINE:** Be sure to complete the CME and/or CE evaluation for credit at aasld.org/LiverMeeting before the following dates:

- CME evaluation – March 15, 2019
- CE* evaluation – December 31, 2018

*CE is only available for the AASLD/ILTS Transplant Course, Hepatology Associates Course and the Postgraduate Course.

Certificates of Attendance

Certificates of Attendance are available to attendees completing The Liver Meeting® evaluation and may be printed on-site in Tech Connect or after the meeting at aasld.org/LiverMeeting by March 15, 2019.

Save your badge! Your email address and badge number will be needed to access the CME evaluation, and to print a Certificate of Attendance.

MOC Points

Successful completion for ABIM and ABP MOC points is defined as having completed the following elements:

- Attended the designated MOC session(s)
- Claimed CME for attended MOC session(s)
- Completed MOC evaluation(s) for attended MOC session(s)

The MOC evaluations are online and can be completed in the following ways:

- **Postgraduate Course** – Go to LiverLearning® and click on the Postgraduate Course Evaluation.
- **Annual Meeting MOC session(s)** – Go to the CME evaluation and complete the MOC evaluation(s) for attended MOC session(s).

**DEADLINE:** Be sure to complete the MOC evaluation(s) for points before the following dates:

- For ABIM points to be submitted for 2018 you must complete the evaluations no later than December 14, 2018. Evaluations completed after that date may not be submitted until 2019 (and MOC points may be credited for 2019 not 2018).
- For ABP points to be submitted for 2018 you must complete the evaluations no later than December 1, 2018. Evaluations completed after that date may not be submitted until 2019 (and MOC points may be credited for 2019 not 2018).
- MOC evaluations will remain available until March 15, 2019. Requests for MOC after this date will not be honored.

Note: AASLD submits MOC points on behalf of its learners to ABIM and ABP. Points are not submitted automatically and will not display immediately on your ABIM or ABP MOC profile upon completion of the MOC evaluation. Completed MOC evaluations are collected on the 15th of each month and submitted to the ABIM and/or ABP by the last day of the month.
Disclosure Information and Use of Content

**AASLD Disclosure Policy**

AASLD is an accredited provider of the Accreditation Council for Continuing Medical Education (ACCME) to offer continuing medical education for physicians. In compliance with ACCME standards, AASLD ensures the content or format of all directly, co-provided and jointly provided CME activities and related materials will promote improvements or quality in health care and not a specific proprietary business interest or commercial bias.

All faculty, including members of the Planning Committees, Abstract Reviewers, Program Chairs, Moderators, Panelists and Presenters are required to fully disclose all financial relationships with a commercial interest during the past twelve months. ACCME defines commercial interest as “any entity producing, marketing, re-selling or distributing healthcare goods or services consumed by or used on patients.”

AASLD will identify and resolve all conflicts of interest prior to program implementation. Disclosure slides will appear before each oral presentation. When an unlabeled use of a commercial product or an investigational use not yet approved for any purpose is discussed during an educational activity, the speaker shall disclose to the audience that the product is not labeled for the use under discussion or that the product is still investigational.

A full list of disclosures can be found in The Liver Meeting app or at aasld.org/TLMdisclosures.

**Disclaimer Statement**

Statements, opinions and results of studies presented at The Liver Meeting® are solely those of the authors and do not reflect the policy or position of AASLD. AASLD does not provide any warranty to the accuracy or reliability of information presented either verbally or in writing by presenters. No responsibility is assumed by AASLD for any injury and/or damage to persons or property resulting from any use of such information.

**Use of AASLD Scientific Program Content**

Information presented during The Liver Meeting® is the property of AASLD and the presenter. Information may not be recorded, photographed, copied, photocopied, transferred to electronic format, reproduced, or distributed without the written permission of AASLD and the presenter. Any use of the program content, which includes, but is not limited to oral presentations, audiovisual materials used by speakers, and program handouts, without the written consent of AASLD is prohibited.
# Meeting-at-a-Glance

## Location
CC: Moscone Convention Center North and South

<table>
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<th>Day/Time</th>
<th>Activity</th>
<th>Location</th>
<th>Page</th>
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<tbody>
<tr>
<td><strong>Friday, November 9</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>8:00 AM – 10:00 AM</td>
<td>Cholestatic and Biliary Diseases SIG</td>
<td>CC: Room 153/155</td>
<td>67A</td>
</tr>
<tr>
<td>8:00 AM – 10:00 AM</td>
<td>Pediatric Liver Disorders SIG</td>
<td>CC: Room 214/216</td>
<td>68A</td>
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<tr>
<td>8:00 AM – 10:00 AM</td>
<td>Hepatitis C SIG</td>
<td>CC: Room 24/25</td>
<td>67A</td>
</tr>
<tr>
<td>8:00 AM – 3:00 PM</td>
<td>AASLD/ILTS Transplant Course</td>
<td>CC: Room 157/160</td>
<td>69A</td>
</tr>
<tr>
<td>8:00 AM – 4:00 PM</td>
<td>AASLD/ASGE Endoscopy Course</td>
<td>CC: Room 22/23</td>
<td>70A</td>
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<tr>
<td>8:00 AM – 5:30 PM</td>
<td><strong>Poster Session I</strong></td>
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<td></td>
<td>• Acute Liver Failure and Artificial Liver Support</td>
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<td>• Drug Metabolism and Toxicity</td>
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<td>• Genomics and Precision Medicine</td>
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<td>• Gut Liver Axis and Microbiome</td>
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<td></td>
<td>• HBV: New and Approved Therapies</td>
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<td>• Health Care Delivery, Access, and Quality</td>
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<td>• Hepatitis B: Virology, Pathogenesis, and Immunology</td>
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<td>• Hepatitis C Therapeutics: Approved Agents</td>
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<td>• Hepatotoxicity and Drug Induced Liver Injury</td>
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<td>• NAFLD and NASH: Therapeutic</td>
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<td>• Patient Centered Outcomes Research</td>
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<td></td>
<td>• Training, Education and Career Development</td>
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<td></td>
<td>• Varices and Bleeding</td>
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<tr>
<td>9:00 AM – Noon</td>
<td>Clinical Research Workshop</td>
<td>CC: Room 154/156</td>
<td>71A</td>
</tr>
<tr>
<td>10:00 AM – 11:00 AM</td>
<td>Coffee Break</td>
<td>CC: Hall A and North Lower Lobby</td>
<td>72A</td>
</tr>
<tr>
<td>10:30 AM – 12:30 PM</td>
<td>Portal Hypertension: Clinical and Experimental SIG</td>
<td>CC: Room 24/25</td>
<td>72A</td>
</tr>
<tr>
<td>Noon – 3:00 PM</td>
<td>AASLD/NASPGHAN Pediatric Symposium</td>
<td>CC: Room 214/216</td>
<td>73A</td>
</tr>
<tr>
<td>1:30 PM – 2:30 PM</td>
<td>Coffee Break</td>
<td>CC: Hall A and North Lower Lobby</td>
<td>73A</td>
</tr>
<tr>
<td>2:00 PM – 4:00 PM</td>
<td>Career Development Workshop</td>
<td>CC: Room 154/156</td>
<td>74A</td>
</tr>
<tr>
<td>2:00 PM – 4:00 PM</td>
<td>Nonalcoholic Fatty Liver Disease SIG</td>
<td>CC: Room 24/25</td>
<td>75A</td>
</tr>
<tr>
<td>2:00 PM – 4:00 PM</td>
<td>Hepatotoxicity SIG</td>
<td>CC: Room 153/155</td>
<td>76A</td>
</tr>
<tr>
<td>4:15 PM – 6:15 PM</td>
<td>Acute on Chronic Liver Failure SIG</td>
<td>CC: Room 157/160</td>
<td>76A</td>
</tr>
<tr>
<td>4:15 PM – 6:15 PM</td>
<td>Liver Cell Biology in Hepatic Diseases SIG</td>
<td>CC: Room 22/23</td>
<td>77A</td>
</tr>
<tr>
<td>4:30 PM – 6:30 PM</td>
<td>Academic Debates</td>
<td>CC: Room 206/208</td>
<td>78A</td>
</tr>
</tbody>
</table>
### Saturday, November 10

<table>
<thead>
<tr>
<th>Day/Time</th>
<th>Activity</th>
<th>Location</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 AM – 7:30 AM</td>
<td>Early Morning Workshops</td>
<td>Check Your Ticket</td>
<td>79A</td>
</tr>
<tr>
<td>8:00 AM – 5:00 PM</td>
<td>Postgraduate Course</td>
<td>CC: Hall D - General Session</td>
<td>80A</td>
</tr>
<tr>
<td>8:00 AM – 5:00 PM</td>
<td>Basic Science Symposium</td>
<td>CC: Room 24/25</td>
<td>81A</td>
</tr>
<tr>
<td>11:40 AM – 1:05 PM</td>
<td>Meet-the-Professor Luncheons (Clinical)</td>
<td>Check Your Ticket</td>
<td>82A</td>
</tr>
<tr>
<td>12:10 PM – 1:30 PM</td>
<td>Meet-the-Professor Luncheons (Basic)</td>
<td>Check Your Ticket</td>
<td>82A</td>
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<td>9:00 AM – 3:30 PM</td>
<td>Liver Transplantation and Surgery SIG</td>
<td>CC: Room 157/160</td>
<td>83A</td>
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<td>2:00 PM – 7:30 PM</td>
<td><strong>Poster Session II</strong></td>
<td>CC: Hall C - Poster Hall</td>
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<td></td>
<td>• Adaptive Immunity</td>
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<td>• Cell Structure and Function</td>
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<td>• Clinical and Translational Hepatobiliary Cancer I</td>
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<td>• Complications of Cirrhosis I</td>
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<td>• Cost-Effectiveness and Economics of Care</td>
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<td>• Hepatitis C Therapeutics: New Agents (Not Approved, Phase 2-3)</td>
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<td>• Hepatitis C Therapeutics: Preclinical and Early Clinical Development</td>
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<td>• Hepatitis C: Virology, Pathogenesis, and Immunology</td>
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<td>• Imaging and Noninvasive Markers of Liver Disease</td>
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<td>• Inflammation and Immunobiology: Mechanisms of Injury</td>
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<td>• Liver Fibrogenesis and Non-Parenchymal Cell Biology</td>
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<td>• Liver Transplantation: Donors, Allocation and Candidate Issues</td>
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<td>• Liver Transplantation: Management and Outcomes</td>
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<td>• NAFLD and NASH: Experimental I</td>
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<td>• Pediatric Liver Transplantation</td>
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<td>• Portal Hypertension and Other Complications of Cirrhosis: Experimental</td>
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<td>3:30 PM – 4:30 PM</td>
<td>Snack Break</td>
<td>CC: Hall A - AASLD Pavilion</td>
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<td>5:00 PM – 7:30 PM</td>
<td>Exhibits and Opening Reception</td>
<td>CC: Hall B - Exhibit Hall</td>
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<tr>
<td>5:15 PM – 6:15 PM</td>
<td>AASLD Business Meeting (Members Only)</td>
<td>CC: Hall D - General Session</td>
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### Sunday, November 11

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<tr>
<td>6:30 AM – 7:30 AM</td>
<td>Early Morning Workshops</td>
<td>Check Your Ticket</td>
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<tr>
<td>8:00 AM – 9:30 AM</td>
<td>Transplant Plenary I</td>
<td>CC: Hall D - General Session</td>
<td>86A</td>
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<tr>
<td>8:00 AM – 10:00 AM</td>
<td>Hepatitis B SIG</td>
<td>CC: Room 157/160</td>
<td>87A</td>
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<td>8:00 AM – Noon</td>
<td>Basic Research Workshop</td>
<td>CC: Room 22/23</td>
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<td>8:00 AM – Noon</td>
<td>Hepatology Associates Course</td>
<td>CC: Room 153/155</td>
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<td>8:00 AM – 5:30 PM</td>
<td><strong>Poster Session III</strong></td>
<td>CC: Hall C - Poster Hall</td>
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<td>• Alcoholic Liver Disease: Clinical and Experimental</td>
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<td>• Cholangiocyte Biology</td>
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<td>• Clinical and Translational Hepatobiliary Cancer II</td>
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<td>• Experimental Cholestasis</td>
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<td>• Gene Expression and Therapy</td>
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<td>• HCV Diagnostics, Epidemiology and Natural History</td>
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<td>• Inflammation and Immunobiology: Animal Models</td>
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<td>• Pediatric Hepatology</td>
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<td>• Stem Cell Biology</td>
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<td>8:30 AM – 10:00 AM</td>
<td><strong>Parallel Sessions</strong></td>
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<td>Parallel 1: Natural History and Outcomes of Fatty Liver Disease</td>
<td>CC: Room 24/25</td>
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<td>Parallel 2: Drug-induced Liver Injury</td>
<td>CC: Room 206/208</td>
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<td>Parallel 3: PBC, PSC and AIH</td>
<td>CC: Room 214/216</td>
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<td>Parallel 4: HCV Treatment Around the World</td>
<td>CC: Room 154/156</td>
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<td>Parallel 5: Biomarkers for Hepatobiliary Cancer</td>
<td>CC: Room 306/308</td>
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<td>Parallel 6: Metabolic Control of Hepatocellular Injury</td>
<td>CC: Room 312/314</td>
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<td>9:30 AM – 10:00 AM</td>
<td><strong>Thomas E. Starzl Transplant Surgery State-of-the-Art Lecture</strong></td>
<td>CC: Hall D - General Session</td>
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<td>9:30 AM – 3:00 PM</td>
<td>Exhibits Open</td>
<td>CC: Hall B - Exhibit Hall</td>
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<td>10:00 AM – 11:00 AM</td>
<td>Coffee Break</td>
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<td>10:30 AM – Noon</td>
<td><strong>Parallel Sessions</strong></td>
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<td>Parallel 7: Therapeutic Outcomes In Fatty Liver Disease</td>
<td>CC: Room 24/25</td>
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<td>Parallel 8: Novel Therapies for HBV</td>
<td>CC: Room 157/160</td>
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<td>Parallel 9: Metabolic and Genetic Liver Disease</td>
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<td>Parallel 10: HCV and HEV Diagnostics, Epidemiology and Natural History</td>
<td>CC: Room 154/156</td>
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<td>Parallel 11: Hepatobiliary Cancer Risks</td>
<td>CC: Room 306/308</td>
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<td>Parallel 12: Liver Immunobiology: Cell Injury and Carcinogenesis</td>
<td>CC: Room 312/314</td>
<td>97A</td>
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<td>Day/Time</td>
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<td>10:30 AM – Noon</td>
<td>Transplant Plenary II</td>
<td>CC: Hall D - General Session</td>
<td>94A</td>
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<tr>
<td>10:30 AM – 12:30 PM</td>
<td>Alcoholic Liver Disease SIG and Public Health/Healthcare Delivery SIG</td>
<td>CC: Room 206/208</td>
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<td>Snack Break</td>
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<td>2:00 PM – 3:30 PM</td>
<td>General Hepatology Update</td>
<td>CC: Hall D - General Session</td>
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<td>2:00 PM – 3:30 PM</td>
<td>Maintenance of Certification (MOC) Update</td>
<td>CC: Room 22/23</td>
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<td>2:00 PM – 3:30 PM</td>
<td><strong>Parallel Sessions</strong></td>
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<td>Parallel 13: Novel Therapeutics for NASH</td>
<td>CC: Room 24/25</td>
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<td>Parallel 14: Complications of Cirrhosis I</td>
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<td>Parallel 15: Alcoholic Liver Disease: Experimental</td>
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<td>Parallel 16: Liver Transplantation: Optimizing the Recipient</td>
<td>CC: Room 153/155</td>
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<td>Parallel 17: Healthcare Delivery, Access, and Quality</td>
<td>CC: Room 306/308</td>
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<td>Parallel 18: Pediatric Cholestasis – Basic and Clinical</td>
<td>CC: Room 312/314</td>
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<td>2:00 PM – 4:00 PM</td>
<td>Hepatology Associates SIG</td>
<td>CC: Room 214/216</td>
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<td>2:00 PM – 4:00 PM</td>
<td>Hepatobiliary Neoplasia SIG</td>
<td>CC: Room 157/160</td>
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<td>2:00 PM – 4:00 PM</td>
<td>Value-based Medicine in Hepatology</td>
<td>CC: Room 20/21</td>
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<td>3:30 PM – 4:30 PM</td>
<td>Snack Break</td>
<td>CC: Hall A - AASLD Pavilion</td>
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<td>3:45 PM – 4:00 PM</td>
<td>Presidential Address</td>
<td>CC: Hall D - General Session</td>
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<td>4:00 PM – 4:30 PM</td>
<td>President's Choice Lecture</td>
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<td>4:15 PM – 6:15 PM</td>
<td>AASLD/ALEH Joint Symposium</td>
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<td>4:30 PM – 6:00 PM</td>
<td><strong>Parallel Sessions</strong></td>
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<td>Parallel 19: Biomarkers and Imaging in Fatty Liver Disease</td>
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<td>Parallel 20: Ongoing Benefits of HCV Therapy</td>
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<td>Parallel 21: Complications of Cirrhosis II</td>
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<td>Parallel 22: Alcoholic Liver Disease: Clinical and Translational</td>
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<td>Parallel 23: Liver Transplantation: HCC and Other Challenges</td>
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<td>Parallel 24: Genomics Link to Disease Phenotypes</td>
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<td>Parallel 25: Health Economics and Patient Centered Outcomes</td>
<td>CC: Room 306/308</td>
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<td>Parallel 26: Pediatric Hepatology - Clinical</td>
<td>CC: Room 312/314</td>
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<td>5:00 PM – 7:00 PM</td>
<td>Transplant Hepatology Fellowship Program Director's Workshop</td>
<td>CC: Room 20/21</td>
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Monday, November 12

6:30 AM – 7:30 AM  Early Morning Workshops  
Check Your Ticket  112A

7:00 AM - 8:00 AM  Being an Associate Editor or Editorial Board Member for an AASLD Journal  
CC: Room 312/314  113A

8:00 AM – 9:30 AM  Presidential Plenary – Clinical Science  
CC: Hall D - General Session  113A

8:00 AM – 5:30 PM  Poster Session IV  
• Advanced Practice Providers  
• Cholestatic and Autoimmune Liver Diseases  
• Clinical and Translational Fibrosis Liver Diseases  
• Complications of Cirrhosis II  
• Hepatitis B: Diagnostics, Epidemiology, Prevention, and Natural History  
• Hepatobiliary Carcinogenesis  
• NAFLD and NASH: Clinical II  
• Portal Hypertension: Infections and Acute on Chronic Liver Disease  
CC: Hall C - Poster Hall  114A

8:30 AM – 10:00 AM  Parallel Sessions  
Parallel 27: Liver Fibrogenesis and Matrix Biology  
CC: Room 214/216  114A
Parallel 28: Cellular Biology in Liver Transplantation  
CC: Room 153/155  115A
Parallel 29: HCV Virology, Pathogenesis and Immunology  
CC: Room 22/23  115A
Parallel 30: Experimental Cholestasis and Animal Models  
CC: Room 306/308  116A

9:30 AM – 10:00 AM  AASLD Distinguished Award Presentations (Distinguished Achievement, Clinician Educator/Mentor and Service Awards)  
CC: Hall D - General Session  116A

9:30 AM – 3:00 PM  Exhibits Open  
CC: Hall B - Exhibit Hall  117A

10:00 AM – 10:30 AM  Hyman J. Zimmerman Hepatotoxicity State-of-the-Art Lecture  
CC: Hall D - General Session  117A

10:00 AM – 11:00 AM  Coffee Break  
CC: Hall B - Exhibit Hall  117A

10:30 AM – Noon  Parallel Sessions  
Parallel 31: HBV: Epidemiology and Prevention  
CC: Room 24/25  118A
Parallel 32: Complications of Cirrhosis III  
CC: Room 206/208  118A
Parallel 33: HCV Therapy in Unique Populations  
CC: Room 154/156  119A
Parallel 34: Microbiome: Influence on Disease Phenotype  
CC: Room 22/23  119A
Parallel 35: Pediatric Liver Transplantation  
CC: Room 312/314  120A

10:30 AM – 12:30 PM  Advances for Practitioners  
CC: Room 157/160  120A

11:00 AM – 12:30 PM  Presidential Plenary – Basic Science  
CC: Room 214/216  121A

12:30 PM – 2:00 PM  Women’s Networking Luncheon  
Refer to ticket  122A

12:30 PM – 2:30 PM  HHS Program  
CC: Room 312/314  122A

1:30 PM – 2:30 PM  Snack Break  
CC: Hall B - Exhibit Hall  123A

2:00 PM – 2:30 PM  Hans Popper Basic Science State-of-the-Art Lecture  
CC: Hall D - General Session  123A
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<tr>
<td>2:00 PM – 3:30 PM</td>
<td><strong>Parallel Sessions</strong>&lt;br&gt;Parallel 36: Hepatitis B: Biomarkers, Pathogenesis, and New Targets&lt;br&gt;Parallel 36A: Clinical Hepatology Potpourri&lt;br&gt;Parallel 37: Liver Transplantation: Alcohol and Hepatitis C&lt;br&gt;Parallel 38: Hepatobiliary Carcinogenesis&lt;br&gt;Parallel 39: Bile Transporters and Lipids&lt;br&gt;Parallel 39A: Basic Science Potpourri</td>
<td>CC: Room 214/216&lt;br&gt;CC: Room 154/156&lt;br&gt;CC: Room 153/155&lt;br&gt;CC: Room 22/23&lt;br&gt;CC: Room 306/308&lt;br&gt;CC: Room 312/314</td>
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<td>2:00 PM – 4:00 PM</td>
<td>Emerging Trends Symposium</td>
<td>CC: Room 157/160</td>
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<td>2:00 PM – 4:00 PM</td>
<td>Global Forum</td>
<td>CC: Room 24/25</td>
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<td>2:30 PM – 4:00 PM</td>
<td>Late-breaking Abstract Oral Session I and Recognition Ceremony</td>
<td>CC: Hall D - General Session</td>
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<td>Snack Break</td>
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<td>4:00 PM – 5:30 PM</td>
<td><strong>Parallel Sessions</strong>&lt;br&gt;Parallel 40: Long Term Efficacy and Safety of HBV Therapy&lt;br&gt;Parallel 41: HCC Treatments and Outcomes&lt;br&gt;Parallel 42: Experimental Nonalcoholic Steatohepatitis&lt;br&gt;Parallel 43: Portal Hypertension: Infections and Acute on Chronic Liver Failure&lt;br&gt;Parallel 44: Acute Liver Failure&lt;br&gt;Parallel 45: Cholangiocyte Biology</td>
<td>CC: Room 157/160&lt;br&gt;CC: Room 206/208&lt;br&gt;CC: Room 214/216&lt;br&gt;CC: Room 154/156&lt;br&gt;CC: Room 22/23&lt;br&gt;CC: Room 306/308</td>
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<td>4:15 PM – 6:15 PM</td>
<td>Clinical Practice SIG</td>
<td>CC: Room 24/25</td>
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<td>4:15 PM – 6:15 PM</td>
<td>Diversity Workshop</td>
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<td><strong>Tuesday, November 13</strong></td>
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<tr>
<td>8:00 AM – 9:00 AM</td>
<td>Late-breaking Abstract Oral Session II</td>
<td>CC: Hall D - General Session</td>
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<tr>
<td>9:00 AM – 10:30 AM</td>
<td>Presidential Plenary – Translational Science and Genomics</td>
<td>CC: Hall D - General Session</td>
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<tr>
<td>10:30 AM – 11:00 AM</td>
<td>Leon Schiff State-of-the-Art Lecture</td>
<td>CC: Hall D - General Session</td>
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<td>11:00 AM – 11:30 AM</td>
<td>Coffee Break</td>
<td>CC: North Lower Lobby</td>
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<tr>
<td>11:30 AM – Noon</td>
<td>Hepatitis Debrief</td>
<td>CC: Hall D - General Session</td>
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<td>Noon – 12:30 PM</td>
<td>NAFLD Debrief</td>
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<td>12:30 PM – 1:00 PM</td>
<td>Clinical Hepatology Debrief</td>
<td>CC: Hall D - General Session</td>
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**Meeting-at-a-Glance (continued)**
6  AASLD Foundation Booth
7  AASLD Pavilion
8  Associates Lounge
9  Charging Station
10 Coat/Luggage Check
11 Early Career Investigators Lounge
12 E-Posters
13 Emerging Liver Scholar's Booth
14 Exhibits (Hall B)
15 Exhibit Registration and Info Desk
16 First Aid
17 Food Concessions
18 General Session (Hall D)
19 Lounge Area
20 Membership Booth
21 Posters (Hall C)
22 Satellite Symposia Wall
23 Tech Bar & Presentation Area
**General Information**

**AASLD Foundation Booth • North Lower Lobby**
Visit the Foundation’s booth to learn how we are investing in innovative hepatology research and in the people who study and treat liver disease. Find out about our robust portfolio of research and career development awards (including the new Bridge Award and Pilot Research Award), travel awards, training resources, and learn about our grantees that have gone on to change our field. The AASLD Foundation booth is also the place to find out how to get involved through service on a Foundation committee and to learn about the incredible impact you can have by partnering with the AASLD Foundation through a donation to our new Tomorrow’s Cures campaign. While you are there, ask how you can obtain access to the VIP Preferred Seating in many sessions and to the VIP & Donor Lounge. Visit aasldfnd.org to learn more about AASLD Foundation.

**AASLD Pavilion • Hall A**
AASLD moves hepatology forward in patient care and research advances. Join us, or renew your membership, while you’re in San Francisco. Visit the AASLD Pavilion to learn about the benefits of membership, access practice guidelines, mark your calendar for upcoming meetings, and more.

**AASLD TV**
AASLD TV is an onsite conference television program featuring a new episode daily that can be viewed around the conference center, as well as on a dedicated channel in selected guest hotel rooms.

**Abstracts**
Abstract information and text selected for presentation at The Liver Meeting® are available in a variety of formats:

- USB drive distributed onsite*
- ePosters
- October supplement to HEPATOLOGY (members and subscribers) – to minimize waste, additional copies of the supplement will not be available at the meeting.
- Meeting app (aasld.org/LiverMtg18app)

*The Abstracts on USB Flashdrive is supported by AbbVie – please thank them when you visit their booth!

**Abstract Embargo**
Accepted abstracts are available electronically on the AASLD website and have been published in the October supplement of HEPATOLOGY. Additional information or data not included in the original abstract submission is embargoed until 8:00 am Eastern Time (U.S.) Friday, November 9, and may not be released before this date. The full AASLD embargo policy and its guidelines is available at aasld.org/EmbargoPolicy.

**Affiliate Events**
Affiliate events are social events, business or committee meetings that are planned independently of AASLD and held at official and unofficial venues during specified time periods. These events usually involve invited guests and provide opportunities for colleagues to meet face-to-face, discuss ideas, review research and network.

**ADA Compliance**
The Convention Center and most participating hotels at The Liver Meeting® are fully accessible to the physically challenged. Anyone who has a need for special assistance should notify the appropriate hotel or the Convention Center and indicate the type of assistance needed. AASLD cannot ensure the availability of appropriate assistance without prior notice.

**Apps**
The Liver Meeting® and Journal Apps are available for download on Apple and Android devices. If you need technical assistance stop by the Tech Bar in Hall A.

AASLD is grateful to AbbVie for its support of the Meeting App – please thank them when you visit their booth!

**Business Center • North Lower Lobby**
Services offered include shipping, mailing, faxing and photocopying:
Friday, November 9 through Tuesday, November 13
8 am – 5 pm

**Charging Stations**
Recharge your mobile device at the AASLD charging stations. Charging stations are equipped with plugs for all devices ranging from laptops, PDAs, iPads and cell phones. See the map on page 16A for locations.

Charging stations are supported by Allergan and Shionogi Inc. – please thank these supporters when you visit their booths!
Coat and Luggage Check • Hall A
Coat or small handbag $3.00 per item
Luggage $4.00 per item
Laptop $5.00 per item
Friday, November 9 6:30 AM – 7:45 PM
Saturday, November 10 6:30 AM – 7:45 PM
Sunday, November 11 6:30 AM – 7:15 PM
Monday, November 12 6:30 AM – 6:30 PM
Tuesday, November 13 6:30 AM – 1:30 PM

Electronic Devices
As a courtesy to meeting attendees, electronic devices must be operated in silent/vibrate mode within all educational sessions at The Liver Meeting®.

Emergency Procedures
For emergencies only – fire, police and medical – dial 511 from any house phone in Moscone North and South Convention Center or Show Management at (415) 850-8249 from your cell phone.
Inform the Convention Center/Guest Services about:
• Nature of the emergency
• Your name
• Phone number from which you are calling
• Exact location – if you are inside any of the exhibit halls, provide the letter/number of the nearest column

First Aid • Outside Hall D
Trained medical personnel are available during meeting hours.

Food Services and Concessions
Coffee and Snack Breaks
Friday, November 9
Coffee Break 10:00 AM – 11:00 AM
Located in Hall A and the North Lower Lobby
These breaks are generously supported by UPMC – please thank them when you visit their booth!
Saturday, November 10
Snack Break 3:30 PM – 4:30 PM
Located in the AASLD Pavilion - Hall A
Sunday, November 11
Coffee Break 10:00 AM – 11:00 AM
Snack Break 1:30 PM – 2:30 PM
Located in the Exhibit Hall – Hall B
Snack Break 3:30 PM – 4:30 PM
Located in the AASLD Pavilion - Hall A

Monday, November 12
Coffee Break 10:00 AM – 11:00 AM
Snack Break 1:30 PM – 2:30 PM
Located in the Exhibit Hall – Hall B
Snack Break 3:30 PM – 4:30 PM
Located in the AASLD Pavilion - Hall A

Tuesday, November 13
Coffee Break 11:00 AM – 11:30 AM
Located in the North Lower Lobby
This coffee break is generously supported by IQVIA – please thank them when you visit their booth!

Concession/Food for Purchase
Food is available for purchase from various stands throughout the convention center including South Lobby, Hall A, Hall B and Hall C
Friday, November 9 6:30 AM – 2:30 PM
Saturday, November 10 6:30 AM – 2:30 PM
Sunday, November 11 6:30 AM – 2:30 PM*
Monday, November 12 6:30 AM – 2:30 PM*
* Hall B and Hall C locations are open from Sunday, November 11 - Monday, November 12.

Housing Desk • South Lobby
onPeak, AASLD’s official housing partner, has representatives available for any housing/hotel assistance during the following hours:
Friday, November 9 8:00 AM – 5:00 PM
Saturday, November 10 8:00 AM – 5:00 PM
Sunday, November 11 8:00 AM – 5:00 PM
Monday, November 12 8:00 AM – 5:00 PM
Tuesday, November 13 8:00 AM – 12:30 PM

AASLD IGH is the official international group housing provider and has representatives available for any housing/hotel assistance during the following hours:
Thursday, November 8 2:00 PM – 8:00 PM
Friday, November 9 6:30 AM – 7:30 PM
Saturday, November 10 6:30 AM – 7:30 PM
Sunday, November 11 6:30 AM – 6:00 PM

onPeak and AASLD IGH will also be available to meet group and exhibit representatives to discuss group housing needs for The Liver Meeting® 2019.

Job Board – Literature • South Lobby
AASLD offers a Job Board/Literature area. Materials for posting should be dropped off at registration.
LiverLearning®

LiverLearning® is the official eLearning resource of AASLD. Registration to The Liver Meeting® includes one year of free online access to all content captured at the Annual Meeting. Attendee access begins Friday, November 9, 2018 and ends Friday, November 8, 2019. AASLD members and LiverLearning® subscribers have access year-round. (*The Postgraduate Course will be available immediately for those registered for the course; February 1 for AASLD Members; March 1 for Nonmember subscribers to LiverLearning®.) Sessions captured are identified with the LiverLearning® icon in the Final Program. To access content, visit LiverLearning.aasld.org.

Selected sessions that will be available on LiverLearning®:

- AASLD/ALEH Joint Symposium
- Advances for Practitioners
- Career Development Workshop
- Clinical Hepatology Debrief
- Clinical Research Workshop
- Diversity Workshop
- General Hepatology Update
- Global Forum
- Hepatitis Debrief
- Hepatology Associates Course
- NAFLD Debrief
- Postgraduate Course*

For assistance with accessing content visit us at the Tech Bar located in Hall A.

Lost and Found • South Lobby

Lost items left in meeting rooms may be found at Registration.

Lounges

Each year The Liver Meeting® offers opportunities outside of sessions and courses to meet, share, and interact with fellow colleagues. Lounges are casual places to meet colleagues and relax.

AASLD/Foundation VIP and Donor Lounge – This lounge is AASLD’s way of thanking our honored guests, the Foundation’s most generous donors, and leaders for their participation and investment in advancing hepatology. It provides a space for VIP meetings, a comfortable spot to take a break from the meeting and connect with colleagues, as well as light refreshments. This lounge is by special invitation, as well as for donors who make a generous donation of $500 or more before or during The Liver Meeting®. Donors enjoy special perks at the meeting like access to the lounge, VIP seating, a special lanyard and a Foundation memento. Find out more at aaslfdn.org/donors or contact us at foundation@aasld.org!

Hepatology Associates Lounge – Network with fellow nurses, nurse practitioners, physician assistants, pharmacists, and other allied health professionals in this lounge area. Enjoy small intimate gatherings with leaders in the field during specialized education sessions with invited speakers. Check the schedule just outside the lounge for speakers and topics.

Early Career Investigators Lounge – If you are in training or within 3 years of completion of training (MD or PhD), we invite you to come by and spend some time at the Early Career Investigators Lounge. Network with colleagues and learn more about what resources AASLD has to offer. Enjoy small gatherings with leaders in the field during specialized education sessions. Check the schedule just outside the lounge for speakers and topics.

Newsroom • Room 151

<table>
<thead>
<tr>
<th>Date</th>
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<td>Friday, November 9</td>
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<td>Tuesday, November 13</td>
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The official press contact for The Liver Meeting® is:

Nola Gruneisen
1001 N. Fairfax Street, 4th Floor
Alexandria, VA 22314
Phone: 703-299-9766
Email: media@aasld.org
Website: aasld.org/livermeetingpress

Nursing Mothers’ Room • Alcove, Upper Mezzanine

Mothers who are nursing may use the private areas in the Alcove during show hours. You may pick-up a key at Room 105.

Online Supplement

HEPATOLOGY is available on the Wiley website (aasldpubs.onlinelibrary.wiley.com). The printed supplement is not available on-site.

Photo Release

The Liver Meeting® registrants agree to allow AASLD to photograph them in the context of the meeting setting. Captured photos may be used in future print/electronic promotional and archival materials.
**Posters • Hall C**

The Poster Sessions are an important event during The Liver Meeting®. Five hundred posters will be displayed daily in poster form. The top 10% of posters accepted are designated in the program as a "Presidential Poster of Distinction". Posters should be set-up and viewed during the following times:

**Poster Session I**
Friday, November 9
- Set-up: 7:00 AM – 8:00 AM
- Viewing Time: 8:00 AM – 5:30 PM
- Presentation Time: Noon – 1:30 PM*
  *Posters must be displayed until 5:30 PM
- Dismantle Time: 5:30 PM – 6:00 PM

**Poster Session II**
Saturday, November 10
- Set-up: 7:00 AM – 2:00 PM
- Viewing Time: 2:00 PM – 7:30 PM
- Presentation Time: 5:30 PM – 7:00 PM*
  *Posters must be displayed until 7:30 PM
- Dismantle Time: 7:30 PM – 8:00 PM

**Poster Session III**
Sunday, November 11
- Set-up: 7:00 AM – 8:00 AM
- Viewing Time: 8:00 AM – 5:30 PM
- Presentation Time: 12:30 PM – 2:00 PM*
  *Posters must be displayed until 5:30 PM
- Dismantle Time: 5:30 PM – 6:00 PM

**Poster Session IV**
Monday, November 12
- Set-up: 7:00 AM – 8:00 AM
- Viewing Time: 8:00 AM – 5:30 PM
- Presentation Time: 12:30 PM – 2:00 PM*
  *Posters must be displayed until 5:30 PM
- Dismantle Time: 5:30 PM – 6:00 PM

Posters must be dismantled immediately following the viewing time. Posters left on the boards will be removed and discarded.

**ePosters • Hall A**
ePosters are an interactive, advanced viewing system bringing posters to virtual life for attendees to view at The Liver Meeting®. ePosters are available for viewing throughout The Liver Meeting®.

**NOTE:** ePosters is an optional service for poster presenters; not all posters may be viewed as ePosters.

**Practice Guidelines • AASLD Membership**
Booth Hall A

AASLD’s highly respected and frequently referenced practice guidelines will be available to The Liver Meeting® attendees. AASLD Practice Guidelines are available for download on your Apple, Android and Windows smartphone, tablet or computer.

**NOTE:** AASLD does not accept corporate support for the development of practice guidelines

**Public Policy**

AASLD will continue to implement an aggressive governmental relations program focused on promoting liver health through the conduct of federally-supported and other research, and the expansion of the provision of services to patients, both adults and children, regardless of ability to pay. Refer to the AASLD website for the complete AASLD 2018 Public Policy Agenda containing information on research issues, patient care issues, transplantation-related issues, and key tactics.

**Smoking Policy**

Smoking is prohibited in the Convention Center.
**Speaker Ready Room** • Room 104

Presenters are required to upload presentations at least 24 hours before the scheduled session and check-in to the Speaker Ready Room no later than 2 hours prior to your session. All presenters are encouraged to review the presenter resources tab at aasld.org/presenters for presentation tips, instructions, and guidelines.

- Thursday, November 8  4:00 PM – 7:00 PM
- Friday, November 9  6:30 AM – 6:00 PM
- Saturday, November 10  6:30 AM – 6:00 PM
- Sunday, November 11  6:30 AM – 6:00 PM
- Monday, November 12  6:30 AM – 6:00 PM
- Tuesday, November 13  6:30 AM – 12:30 PM

**Tech Bar** • Hall A

Everyone — from social media and tech newbies to experienced users — is encouraged to visit the Tech Bar in the AASLD Pavilion. It’s a one-stop shop for attendees’ education, social media and tech needs.

Get hands-on guidance in setting up your account on Twitter, Facebook and/or Instagram. Obtain information on the latest ABIM/ABP MOC requirements, and get assistance completing the MOC evaluations. Learn more about the #LiverSnaps photo contest.

The Tech Bar is also the place to get information about the new LiverLearning® platform and AASLD’s apps.

Make the most of your experience at The Liver Meeting®. Visit the Tech Bar!

**Tech Connect** • South Lobby

- Access the Internet
- Complete your continuing education evaluations
- Print your CME and attendance certificates
- Print abstracts

**Tech Connect Hours:**

- Thursday, November 8  2:00 PM – 8:00 PM
- Friday, November 9  6:30 AM – 7:30 PM
- Saturday, November 10  6:30 AM – 7:30 PM
- Sunday, November 11  6:30 AM – 6:00 PM
- Monday, November 12  6:30 AM – 6:00 PM
- Tuesday, November 13  6:30 AM – 1:30 PM

**Where in the World** • South Lobby

Attendees of The Liver Meeting® have traveled to San Francisco from dozens of countries. See exactly where your colleagues are coming from with this interactive, touch-screen map.

**WiFi**

Complimentary wireless internet access is available throughout the Convention Center.

SSID: TheLiverMeeting
Password: AA$LD2018
AASLD Distinguished Service Awards

Each year AASLD recognizes outstanding impact in the field through our Distinguished Achievement Award, Distinguished Clinician Educator/Mentor Award and the Distinguished Service Award. Receiving one of these awards is the highest honor bestowed by AASLD.

**Distinguished Achievement Award (DAA)**

Monday, November 12
9:30 AM – 9:40 AM
Recipient: Arun J. Sanyal, MD, FAASLD
Presenter: Mary E. McCarthy Rinella, MD, FAASLD

Dr. Sanyal has developed, mediated and encouraged liver research globally as a physician scientist for 25 years. His research has focused on nonalcoholic fatty liver disease and the complications of end-stage liver disease with a particular focus on the translation of scientific discovery towards development of better diagnostics and therapeutics for patients with liver disease. He has published 398 scholarly papers with a Hirsch index of 100 and has been continuously funded by the National Institutes of Health for 24 years. Dr. Sanyal has chaired the hepatobiliary study section of the NIH and leads the NIDDK NASH Clinical Research Network and the FNIH NIMBLE consortium. He has served as President of the AASLD and led the development of the core curriculum for training in hepatology that served as the foundation for establishment of national standards in training. By creation of the Liver Forum, he has also accelerated development of therapeutics for NASH globally. His work and leadership has been recognized by several awards and earlier this year received the Virginia Outstanding Scientist Award for his deep commitment to the betterment of human health globally via science, education and policy.

**Distinguished Service Award (DSA)**

Monday, November 12
9:50 AM – 10:00 AM
Recipient: Adrian M. Di Bisceglie, MD, FACP, FAASLD
Presenter: Michael W. Fried, MD, FAASLD

Dr. Di Bisceglie has spent his career involved in the development of new therapies for chronic hepatitis and authored nearly 400 publications on the subject of viral hepatology and liver disease. He has been a member of AASLD since 1989, attended every annual meeting since 1984 and has served the association in a number of capacities including Chair of the Clinical Research Committee, Public Policy Committee and a number of abstract selection committees. He has also been co-organizer of three AASLD single topic conferences on Hepatocellular Carcinoma, new therapeutic agents for hepatitis C and End-Points in Clinical Trials for Hepatocellular Carcinoma. Dr. Di Bisceglie served as associate editor of HEPATOLOGY from 1991 to 1995 and as a member of its editorial board. He was elected to the Nominating Committee in 2001 and to the AASLD Governing Board in 2010 during which time he was instrumental in establishing the AASLD Foundation. Dr. Di Bisceglie ultimately served as AASLD President in 2014.

**Distinguished Clinician Educator/Mentor Award (DCEMA)**

Monday, November 12
9:40 AM – 9:50 AM
Recipient: Patrick S. Kamath, MD
Presenter: Alina M. Allen, MD

Dr. Kamath is a Mayo Clinic Distinguished Educator and an AGA Distinguished Educator. His major research area has been identifying patients at risk for mortality in cirrhosis and other liver diseases. Dr. Kamath played a key role in developing the Model for End-stage Liver Disease (MELD) which is used worldwide as a prognostic score for liver disease and in allocation of organs for liver transplantation. He has also authored over 200 publications including contributions to the New England Journal of Medicine, Gastroenterology, Hepatology, and Nature Genetics. He has received 10 Teacher of the Year awards from Mayo Clinic School of Graduate Medical Education and four from the Division of Gastroenterology.
Your Foundation – investing in innovative hepatology research and in the people who study and treat liver disease

With liver disease on the rise and the promise of more cures made possible through new discovery, now, more than ever, we need more research focused on liver disease. And, we need more hepatologists and healthcare professionals trained to provide care for patients suffering from liver disease. AASLD Foundation was established to fulfill these needs. We are taking bold actions and seeing tremendous results. This year, we invested over $4 million in new research, clinical training, resident development awards, the Emerging Liver Scholar Awards, and travel awards. Many of AASLD Foundation’s initiatives are made possible only through the generosity of hundreds of industry partners, foundations, and people who partner with us to make more research and education possible.

As you read about the AASLD Foundation’s impact, and learn about the projects of our future hepatology leaders featured in this section, we hope you will consider investing in our work through a tax-deductible donation – visit aasldfnd.org/donate today or visit the Foundation’s booth during the meeting.

RESEARCH AND CAREER DEVELOPMENT AWARDS

Pinnacle Research Award in Liver Disease

A three-year basic science award of $300,000 ($100,000/year) that is designed to bridge the gap between completion of research training and attaining status as an independent research scientist, and to encourage young investigators to pursue a career in liver-related research. The additional research experience provided by this award enables young researchers to successfully compete for research grants from national sources, particularly the National Institutes of Health (NIH).

2018 – 2021 RECIPIENTS

Pinnacle Research Award in Liver Disease

Akihiro Asai, MD, PhD
Cincinnati Children’s Hospital Medical Center
Research Project: Modeling patient-specific genetic cholestasis with induced human hepatocytes
Mentor: Jorge Bezerra, MD, FAASLD

Bingning Dong, PhD
Baylor College of Medicine
Research Project: Targeting Liver Cancer Lipid Metabolism by CAR Inverse Agonist
Mentor: David D. Moore, PhD

Russell Goodman, MD, DPhil
Massachusetts General Hospital
Research Project: α-Hydroxybutyrate Links Hepatic Insulin Resistance and Steatosis to the Hepatic NADH/NAD+ Ratio
Mentor: Vamsi K. Mootha, MD

Foundation Board of Trustees

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Steven L. Flamm, MD, FAASLD

AASLD Foundation Awards

AASLD Foundation’s research, career development, and abstract awards are intended to encourage and support physicians, researchers, and hepatology professionals as they advance the science and treatment for patients with liver diseases. Our proven commitment to funding innovative liver research – first through AASLD, and now through the AASLD Foundation – has led to more than $47 million committed to advancing innovation in liver disease care since 2000. This year, we continue that heritage with our investment in research, career development, and travel awards to help young investigators attend and present their work at The Liver Meeting®. Please join us in congratulating the 2018 AASLD Foundation Award recipients below.
Cristina Llorente, PhD
University of California, San Diego
Research Project: *Intestinal stem-cell proliferation and differentiation in alcoholic liver disease*
Mentor: Bernd Schnabl, MD

Mitchell R. McGill, PhD
University of Arkansas for Medical Sciences
Research Project: *Phosphatidic acid in liver regeneration after acetaminophen hepatotoxicity*
Mentor: Brian N. Finck, PhD

The 2018 AALSD Foundation Pinnacle Research Awards are made possible through independent grants and unrestricted donations from AASLD, AbbVie, Allergan, Gilead Sciences, and donors to the AASLD Foundation.

2017 – 2020 RECIPIENTS

Jian Chen, MD, PhD
The University of Texas MD Anderson Cancer Center
Research Project: *Deregulated PRAJA1-TGF-ß Signaling in Liver Cancer Stem Cells*
Mentor: Harrys A. Torres, MD

Xiaodong Ge, MD, PhD
The University of Illinois at Chicago
Research Project: *Pathogenic role of hepatocyte-derived high-mobility group box-1 isoforms as potential therapeutic targets to prevent and/or resolve liver fibrosis*
Mentor: Natalia Nieto, PhD

Chiung-kuei Huang, PhD
Alpert Medical School-Brown University/Rhode Island Hospital
Research Project: *A 2-oxoglutarate-dependent enzyme, aspartate beta-hydroxylase in cholangiocarcinoma progression*
Mentor: Jack Wands, MD, FAASLD

Nidhi Sahni, PhD
The University of Texas MD Anderson Cancer Center
Research Project: *Role of altered enhancer-mediated signaling in liver carcinogenesis*
Mentor: Snorri S. Thorgeirsson, MD, PhD

Weici Zhang, PhD
University of California, Davis
Research Project: *Repertoire Analysis of Human AMA in Primary Biliary Cholangitis*
Mentor: M. Eric Gershwin, MD, FAASLD

Zhenyu Zhong, PhD
University of California, San Diego
Research Project: *Mitochondrial Control of Alcohol-induced Liver Inflammation and Disease*
Mentor: Michael Karin, PhD

The 2017 AASLD Foundation Pinnacle Research Awards are made possible through independent grants and unrestricted donations from AASLD, AbbVie, Allergan, Genentech, Gilead Sciences, Intercept Pharmaceuticals and donors to the AASLD Foundation.

2016 – 2019 RECIPIENTS

Ricard Masia, MD, PhD
Massachusetts General Hospital
Research Project: *Role of altered cytosolic NADH/NAD+ ratio and SIRT1 signaling in fatty liver disease*
Mentor: Raymond T. Chung, MD, FAASLD

Hayley Nicholls, PhD
Weill Cornell Medicine
Research Project: *Leveraging Gut Microbial Adaptation to Thermal and Nutritional-Stress in the Management of Non-Alcoholic Fatty Liver Disease*
Mentor: David E. Cohen, MD, PhD, FAASLD

Nataliya Razumilava, MD
University of Michigan
Research Project: *Hedgehog Signaling Facilitates Metaplastic Transformation of the Biliary Tract*
Mentor: Juanita L. Merchant, MD, PhD

Irina Tikhanovich, PhD
University of Kansas Medical Center
Research Project: *The role of Protein Arginine Methyltransferase 1 in Innate Immunity*
Mentor: Steven A. Weinman, MD, PhD, FAASLD

The 2016 AASLD Foundation Pinnacle Research Awards are made possible through independent grants from AASLD, AbbVie, Gilead Sciences, and donors to the AASLD Foundation.
Clinical, Translational, and Outcomes Research Awards

These two-year clinical research and/or translational research awards of $200,000 ($100,000/year) are intended to foster career development for young investigators performing clinical, translational, or outcomes research in a liver-related area who have shown commitment to excellence at an early stage in their research study.

2018 – 2020 RECIPIENTS

Alan Hofmann Clinical, Translational, and Outcomes Research Award in Liver Diseases

Monica A. Konerman, MD, MSc
University of Michigan
Research Project: Optimizing Lifestyle Interventions as Curative Therapy for Non-Alcoholic Fatty Liver Disease
Mentor: Anna S. Lok, MD, FAASLD

The 2018 Alan Hofmann Clinical, Translational, and Outcomes Research Award in Liver Diseases is made possible through an independent grant from Intercept Pharmaceuticals and donors to the AASLD Foundation.

Jennifer A. Flemming, MD, MAS
Queen’s University
Research Project: Epidemiology, Natural History, and Healthcare of Young Adults with Cirrhosis (ENHAnCe): A Population-based Study
Mentor: Christopher Booth, MD

The 2018 Clinical, Translational, and Outcomes Research Awards in Liver Diseases are made possible through independent grants and unrestricted donations from AASLD, Bristol-Myers Squibb, Intercept Pharmaceuticals, and donors to the AASLD Foundation.

Tatyana Kushner, MD, MSCE
Mount Sinai Medical Center
Research Project: Effectiveness of a clinical decision support tool to improve obstetrician adherence to care guidelines for pregnant women with chronic hepatitis B
Mentor: Meena B. Bansal, MD

Julius M. Wilder, MD, PhD
Duke University
Research Project: The Impact of Race, Ethnicity, and Socioeconomic Status on Listing for Liver Transplant after Referral
Mentor: Andrew Muir, MD, FAASLD

The 2018 Clinical, Translational, and Outcomes Research Award in Liver Transplantation is made possible through an independent grant from Astellas Scientific and Medical Affairs and donors to the AASLD Foundation.

2017 – 2019 RECIPIENTS

Alan Hofmann Clinical and Translational Research Award in Liver Diseases

Veeral H. Ajmera, MD, MAS
University of California, San Diego
Research Project: Defining Distinct Risk Phenotypes Among Persons with NAFLD
Mentor: Rohit Loomba, MD

The 2017 Alan Hofmann Clinical and Translational Research Award in Liver Diseases is made possible through an independent grant from Intercept Pharmaceuticals and donors to the AASLD Foundation.

Archita P. Desai, MD
Indiana University
Research Project: The Intersection of Precision Medicine and Population Health to Improve Health Equity in Liver Disease
Mentor: Naga P. Chalasani, MD, FAASLD

Robert J. Wong, MD, MS
Alameda Health System - Highland Hospital
Research Project: Impact of Provider-Centered and Patient-Centered Targeted Educational Interventions to Improve Hepatitis B Virus Management and Hepatocellular Carcinoma Screening Among At-Risk Underserved Populations
Mentor: Mandana Khalili, MD

The 2017 Clinical and Translational Research Awards in Liver Diseases are made possible through independent grants and unrestricted donations from AASLD, Bristol-Myers Squibb, and donors to the AASLD Foundation.
**Bridge Award**

This one year, $100,000 award supports investigators who have recently submitted an NIH R or other federally funded equivalent and have received competitive scores, but were not funded, as they strengthen their proposal for resubmission to the NIH or other federal agency.

**2018 – 2019 Recipients**

| Yi Guo, PhD | Cynthia A. Moylan, MD, MHS |
| Mayo Clinic Rochester | Duke University |
| Research Project: *Mechanism of Novel GPCR Regulating Hepatocyte Lipotoxicity in Nonalcoholic Fatty Liver Disease* | Research Project: *Genetic and Epigenetic Markers of Progressive Nonalcoholic Fatty Liver Disease* |
| Mentor: Gregory J. Gores, MD, FAASLD | Mentor: Anna Mae Diehl, MD, FAASLD |

*The 2018 Bridge Awards are made possible by donors to the AASLD Foundation.*

**Pilot Research Award**

This award provides investigators $50,000 over the course of one year to support highly innovative research ideas that have made a clear potential to produce high impact results, but have little to no preliminary data to successfully compete for funding from other sources.

**2018 – 2019 Recipients**

| Alexander J. Bondoc, MD | Jun Hee Lee, PhD |
| Cincinnati Children’s Hospital Medical Center | University of Michigan |
| Research Project: *Development of glypican 3-based therapy of pediatric liver cancer* | Research Project: *Unraveling genetic, environmental and cell-to-cell variations in fatty liver transcriptome* |
| Mentor: Nikolai Temchenko, PhD | |
| Andres Duarte-Rojo, MD, MS, DSc | Arpan Mohanty, MBBS |
| University of Pittsburgh Medical Center | Boston Medical Center |
| Research Project: *Usefulness of controlled attenuation parameter and liver stiffness for the identification and risk-assessment of extended criteria deceased liver donors* | Research Project: *Spectroscopic interrogation of Upper Gastrointestinal Mucosa: A Less Intrusive Measure of Hepatic Venous Pressure Gradient* |
| Mentor: W. Ray Kim, MD, MBA, FAASLD | |

*The 2018 Pilot Research Awards in Liver Diseases are made possible through independent grants and unrestricted donations from Pfizer and donors to the AASLD Foundation.*

**Autoimmune Hepatitis Pilot Research Award**

This one year, $50,000 award provides the funding necessary during the pilot phase of a basic, translational, or clinical research project in autoimmune hepatitis and is funded through the AASLD Foundation Autoimmune Hepatitis Research Fund.

**2018 Recipient**

| Maria Serena Longhi, MD, PhD |
| Beth Israel Deaconess Medical Center |
| Research Project: *Regulation of aryl hydrocarbon receptor signaling in autoimmune hepatitis* |
| Mentor: Simon Robson, MD, PhD, FRCP, FAASLD |

*This 2018 Pilot Research Award is made possible through the AASLD Foundation Autoimmune Hepatitis Research Fund established by a generous donor who wishes to remain anonymous.*
Career Development Award in Liver Transplantation in Memory of the University of Michigan Transplant Team

A two-year award of $90,000 ($45,000/year) designed to foster career development for an individual performing clinical and/or translational research in the field of liver transplantation and who has shown commitment to excellence in the field at an early stage in their career.

This award was established to honor the Transplant Survival Flight Team whose transport crashed over Lake Michigan on June 4, 2007 on the return leg of an organ procurement mission. This award honors those dedicated to life-saving organ transplantation.

2017 – 2019 Recipient

Timucin Taner, MD, PhD
Mayo Clinic Rochester
Research Project: Liver Transplantation: Impact on Host Alloimmune Responses and the Role of Liver Mesenchymal Stem Cells
Mentor: Gregory J. Gores, MD, FAASLD

The 2017 Career Development Award in Liver Transplantation is made possible through an independent grant from Astellas Scientific & Medical Affairs and donors to the AASLD Foundation.

Autoimmune Liver Diseases Pilot Research Awards

The purpose of this one year, $20,000 award is to provide supplementary funding during the pilot phase of basic, translational or clinical research projects in autoimmune liver disease (e.g. autoimmune hepatitis, primary sclerosing cholangitis, primary biliary cholangitis) in preparation for future grant applications by the recipient.

2018 Recipient

Ethan Weinberg, MD, MS
The University of Pennsylvania
Research Project: A Single-Center, Open Label, Cross-Over Study on the Effects of Ursodeoxycholic Acid (UDCA) in Patients with Hepatic Sarcoidosis
Mentor: K. Rajender Reddy, MD, FAASLD

The 2018 Autoimmune Liver Diseases Pilot Research Award is made possible through a generous contribution given to establish this award in 2017, and through unrestricted donations from AASLD Foundation donors.

Afdhal/McHutchison LIFER Award

The purpose of this two-year, $100,000 ($50,000/year) award is to foster career development for fellows performing research in a liver-related area. This award provides a mechanism that enables young investigators to develop independent and productive liver disease research careers.

2018 – 2020 Recipient

Kuo Du, PhD
Duke University
Research Project: Pathophysiological Role of Glutaminolysis in Human NAFLD Progression
Mentor: Anna Mae Diehl, MD, FAASLD

2017 – 2019 Recipient

Ruisi Wang, PhD
The Rockefeller University
Research Project: Novel stem cell approaches to explore stellate cell biology
Mentor: Charles M. Rice, PhD

The 2018 Afdhal / McHutchison LIFER Award is made possible through an independent grant from the Liver Institute and Foundation for Education and Research (LIFER) and donors to the AASLD Foundation.
AASLD Foundation/Alpha-1 Foundation Clinical and Translational Research Fellowship

The purpose of this two-year, $100,000 ($50,000/year) award is to foster career development for fellows performing clinical and/or translational research in a liver-related area. This collaborative award is intended to increase the scope of investigations related to diseases associated with the liver and to potentially attract new investigators to consider projects related to Alpha-1 antitrypsin deficiency (AATD).

2017 – 2019 Recipient

Danielle Detelich, MD
Massachusetts General Hospital
Research Project: Alpha-1 Antitrypsin for Prevention of Hepatic Ischemia-Reperfusion Injury During Normothermic Machine Perfusion
Mentor: James Markmann, MD, PhD

The 2017 AASLD Foundation/Alpha-1 Foundation Clinical and Translational Research Fellowship is made possible through an independent grant from the Alpha-1 Foundation and donors to the AASLD Foundation.

Clinical and Translational Research Fellowship in Liver Disease

A two-year, $100,000 ($50,000/year) award to foster career development for fellows performing research in a liver-related area. This award provides a mechanism that enables young investigators to develop independent and productive liver disease research careers.

2018 Recipients

Serkan Belkaya, PhD
The Rockefeller University
Research Project: Human genetic basis of fulminant viral hepatitis
Mentor: Jean-Laurent Casanova, MD, PhD

Alberto Zanetto, MD
Yale University
Research Project: Role of endogenous heparinoids on the hemostatic balance in cirrhotic patients with acute kidney injury
Mentor: Guadalupe Garcia-Tsao, MD, FAASLD

Zachary P. Fricker, MD
Yale University
Research Project: Role of endogenous heparinoids on the hemostatic balance in cirrhotic patients with acute kidney injury
Mentor: Guadalupe Garcia-Tsao, MD, FAASLD

The 2018 Clinical and Translational Research Fellowships are made possible by donors to the AASLD Foundation.

Advanced/Transplant Hepatology Award

This $30,000 award provides $4,000 in travel funds to attend The Liver Meeting® and one additional educational meeting during the awardee’s fellowship year, and $26,000 in research support during the awardee’s first faculty year at an academic institution to provide protected time to perform mentored research.

2018 Recipients

Emily D. Bethea, MD
Massachusetts General Hospital
Research Project: Preemptive pan-genotypic direct-acting antiviral therapy in donor HCV-positive to recipient HCV-negative liver transplant
Mentor: Raymond T. Chung, MD, FAASLD

Simon Lam, MD
Cincinnati Children’s Hospital Medical Center
Research Project: Matrix Metalloproteinase 7 as a Novel Biomarker for Bile Duct Injury in Pediatric Autoimmune Liver Disease
Mentor: Alexander G. Miethke, MD

Zachary P. Fricker, MD
University of Pennsylvania
Research Project: Effect of rifaximin on survival and decompensation among patients with cirrhosis
Mentor: David E. Kaplan, MD, MSc, FAASLD

Amrita Narang, MD
Children’s Hospital Los Angeles
Research Project: Screening for biliary atresia using stool color cards – a public health initiative
Mentor: Rohit Kohli, MBBS, MS, FAASLD
Arpan Patel, MD  
Mount Sinai Hospital  
Research Project: Improving Advance Care Planning in Patients With End-Stage Liver Disease  
Mentor: Thomas D. Schiano, MD, FAASLD

Russell Rosenblatt, MD, MS  
New York Presbyterian Hospital  
Research Project: The effect of intravenous albumin on cirrhotic patients with Clostridium difficile infection  
Mentor: Robert S. Brown, Jr., MD, MPH, FAASLD

Suzanne R. Sharpton, MD, MAS  
University of California, San Francisco  
Research Project: An Integrated Analysis of the Human Gut Metabolome and Metagenome in Nonalcoholic Fatty Liver Disease  
Mentor: Norah Terrault, MD, MPH, FAASLD

Amoah Yeboah-Korang, MD, MPH  
University of Michigan  
Research Project: Identification of Drug-Induced Liver Injury from the Electronic Medical Record using Natural Language Processing and ICD-10 Codes  
Mentor: Robert J. Fontana, MD, FAASLD

The 2018 Advanced/Transplant Hepatology Awards are made possible through independent grants from AASLD, Gilead, Merck, and donors to the AASLD Foundation.

NP/PA Clinical Hepatology Fellowship

Provides $78,000 in salary and benefit support for certified and licensed physician assistants (PA) or nurse practitioners (NP) pursuing a full year of training focused on clinical care in hepatology. This award is designed to increase the number of associate practitioners in clinical hepatology; thereby increasing access for liver disease patients to well-trained clinicians.

2018 Recipients

Aryana C. Chan, BA, BS, RN, MS, AGPCNP-BC  
Icahn School of Medicine at Mount Sinai  
Mentor: Douglas T. Dieterich, MD, FAALSD

Anthony Derencius, MPAS, PA-C  
Texas Liver Institute  
Mentor: Nicole M. Loo, MD

Elisa Dupuis, MSN/MPH, CRNP  
Johns Hopkins Hospital  
Mentor: Ahmet Gurakar, MD, FAALSD

Emily Eckert Harmata, MSN, FNP-C  
Vanderbilt University Medical Center  
Mentor: Roman Perri, MD

Elizabeth Lee, MN, NP, CGN(C)  
Toronto Centre for Liver Disease, University Health Network  
Mentor: Hemant A. Shah, MD

Christina Pham, MSN, ARNP  
Virginia Mason Medical Center Digestive Disease Institute  
Mentor: Alexander Kuo, MD, FAASLD

Allysa D. Saggese, MSN, RN, AGPCNP-BC  
Weill Cornell Medical Center  
Mentor: Robert S. Brown, Jr., MD, MPH, FAASLD

The 2018 NP/PA Clinical Hepatology Fellowships are made possible through independent grants from AASLD, Bristol-Myers Squibb, and donors to the AASLD Foundation.
**ABSTRACT AWARDS**

### Advanced Practice Provider Awards

These $1,000 awards enable advanced practice providers submitting abstracts for The Liver Meeting® to receive travel support.

**Summer Collier**  
1885: Developing a Hospital Discharge Program to Increase Linkage to Care and Decrease Readmission Rates in Cirrhotic Patients.  
Mentor: Rohit Loomba, MD  
Presentation: Poster Session IV, Monday, November 12th

**Heather W. O'Dell, MSN, MMHC**  
225: Multispecialty Collaboration Benefits Efforts at Expanding Donor Pools: Transplanting HCV Positive Grafts into HCV Negative Heart Transplant Recipients  
Mentor: Chan Y. Chung, MD  
Presentation: Parallel 33: HCV Therapy in Unique Populations, Monday, November 12th

*AASLD Foundation acknowledges funding for the 2018 Advanced Practice Provider Awards is made possible through support from AASLD.*

### Early Career Investigator Awards in Basic Science

These $1,000 awards recognize outstanding early career basic science researchers submitting abstracts to receive travel support to attend and present their work at The Liver Meeting®.

**Ruchi Bansal, PhD**  
116: CD64-Targeted Prednisolone Lipid Nanoparticles As a Novel Drug Delivery System to Target Inflammatory Macrophages for the Treatment of Alcoholic Liver Diseases  
Presentation: Parallel 15: Alcoholic Liver Disease: Experimental, Sunday, November 11th

**Debanjan Dhar, PhD**  
1856: CD44 Controls NOTCH Signaling in Hepatocellular Carcinoma  
Mentor: Michael Karin, PhD  
Presentation: Poster Session III, Sunday, November 11th

**Valentina E. Gómez Mellado, MSc**  
97: The Phospholipid Flippase ATP8B1 Mediates Acidification of the Endolysosomal System in Macrophages  
Mentor: Coen C. Paulusma, PhD  
Presentation: Parallel 12: Liver Immunobiology: Cell Injury and Carcinogenesis, Sunday, November 11th

**Nourdine Hamdane, PhD**  
199: Targeting HCV-Induced Epigenetic Reprogramming for HCC Chemoprevention Post Cure  
Mentor: Thomas F. Baumert, MD  
Presentation: Parallel 29: HCV Virology, Pathogenesis and Immunology, Monday, November 12th

**Tim Hendrikx, PhD**  
1355: Intestinal IL-22 Restoration By Engineered Bacteria Ameliorates Ethanol-Induced Liver Disease in Mice.  
Mentor: Bernd Schnabl, MD  
Presentation: Poster Session I, Sunday, November 11th

**Bilon Khambu, PhD**  
62: A Critical Role of HMGB1 in Liver Pathology Caused By Autophagy Deficiency.  
Mentor: Xiao-Ming Yin, MD, PhD, FAASLD  
Presentation: Parallel 6: Metabolic Control of Hepatocellular Injury, Sunday, November 11th

**Oliver Krenkel, PhD**  
1653: Western-Diet Triggered Reprogramming of the Innate Immune Response of Myeloid Leukocytes  
Mentor: Frank Tacke, MD, PhD  
Presentation: Poster Session III, Sunday, November 11th

**Jianing Li, PhD**  
46: Asbt Is Not Required for the Choleretic Actions of 24-Norursodeoxycholic Acid in Mice  
Mentor: Paul A. Dawson, PhD, FAASLD  
Presentation: Parallel 3: PBC, PSC and AIH, Sunday, November 11th
Yongyin Li, PhD
99: IL-21 Receptor Signaling Is Essential for Control of Hepatocellular Carcinoma Growth and Immunological Memory for Tumor Challenge
Mentor: Jinlin Hou, MD
Presentation: Parallel 12: Liver Immunobiology: Cell Injury and Carcinogenesis, Sunday, November 11th

Sonya MacParland, PhD
26: Dissecting the Human Liver Cellular Landscape By Single Cell RNA-Seq Reveals Novel Intrahepatic Monocyte/Macrophage Populations
Mentor: Ian D. McGilvray, MD
Presentation: Presidential Plenary – Translational Science and Genomics, Tuesday, November 13th

Yuki Makino, MD
257: Connective Tissue Growth Factor (CTGF) Induces IL-6 Production from Hepatic Stellate Cells and Promotes the Progression of Hepatocellular Carcinoma.
Mentor: Tetsuo Takehara, MD, PhD, FAASLD
Presentation: Parallel 38: Hepatobiliary Carcinogenesis, Monday, November 12th

Grégory Merlen, PhD
298: TGR5-Dependent Hepatoprotection through the Regulation of Biliary Epithelium Barrier Function.
Mentor: Thierry Tordjmann, MD, PhD
Presentation: Parallel 45: Cholangiocyte Biology, Monday, November 12th

Kai Markus Schneider, MD
25: Intestinal Dysbiosis Augments Liver Disease Progression Via NLRP3 in a Murine Model of Primary Sclerosing Cholangitis
Mentor: Christian Trautwein, MD
Presentation: Presidential Plenary – Translational Science and Genomics, Tuesday, November 13th

Ryan J. Schulze, PhD
281: A Novel Autophagic Mechanism Mediating Lipid Droplet Catabolism in Hepatocytes
Mentor: Mark A. McNiven, PhD
Presentation: Parallel 42: Experimental Nonalcoholic Steatohepatitis, Monday, November 12th

Kazuma Sekiba, MD
246: Discovery of a Novel Therapeutic Agent Targeting HBx-DDB1 Interaction for HBV Cure.
Mentor: Motoyuki Otsuka, MD, PhD
Presentation: Parallel 36: Hepatitis B: Biomarkers, Pathogenesis, and New Targets, Monday, November 12th

Bijoya Sen, MSc
63: Mitochondrial Unfolded Protein Response (UPRMT) Is Compromised in Senescent Cells As Well As End Stage Liver Disease and Overexpression of UPRMT Player, Clpp, Alleviates the Senescent Phenotype.
Mentor: Gayatri Ramakrishna, PhD
Presentation: Parallel 6: Metabolic Control of Hepatocellular Injury, Sunday, November 11th

Lili Sheng, PhD
229: Aged Gut Microbiota Is Implicated in Hepatic Inflammation and Metabolic Disease in a Sex-Dependent Manner
Mentor: Yu-Jui Yvonne Wan, PhD
Presentation: Parallel 34: Microbiome: Influence on Disease Phenotype, Monday, November 12th

Guangyong Sun, PhD
100: Adoptive Cell Therapy Using Double Negative T Cells to Prevent the Development and Progression of Nonalcoholic Steatohepatitis (NASH)
Mentor: Dong Zhang, MD, PhD
Presentation: Parallel 12: Liver Immunobiology: Cell Injury and Carcinogenesis, Sunday, November 11th

Haichuan Wang, MD, PhD
1858: Distinct Roles of YAP and TAZ during Oncogene Driven Liver Tumor Development
Mentor: Xin Chen, PhD
Presentation: Poster Session III, Sunday, November 11th

Jianguo Wu, PhD
23: PDK4-Deficiency Reprograms Intrahepatic Glucose and Lipid Metabolism to Facilitate Liver Regeneration in Mice
Mentor: Li Wang, PhD
Presentation: Presidential Plenary – Basic Science, Monday, November 12th

AASLD Foundation acknowledges funding for the 2018 Early Career Investigator Awards in Basic Science is made possible through support from AASLD.
Early Career Investigator Awards in Clinical/Translational Science
These $1,000 awards enable early career researchers submitting clinical and/or translational abstracts to receive travel support to attend and present their work at The Liver Meeting®.

Ariel W. Aday, MD
301: Acute Liver Failure in Pregnancy: How Much Is Pregnancy-Related?
Mentor: William M. Lee, MD, FAASLD
Presentation: Poster Session I, Friday, November 9th

Niviann Blondet
1668: Relationship between the Pattern of Hepatic Iron Deposition and Histological Severity in Nonalcoholic Fatty Liver Disease
Mentor: Kris V. Kowdley, MD, FACP, FACG, AGAF, FAASLD
Presentation: Poster Session III, Sunday, November 11th

Nora Cazzagon, MD
44: Two Simple Magnetic Resonance Scores Are Able to Predict Survival in Patients with Primary Sclerosing Cholangitis
Mentor: Annarosa Floreani, MD, Olivier Chazouilleres, MD
Presentation: Parallel 3: PBC, PSC and AIH, Sunday, November 11th

Ciro Celsa, MD
95: Direct Antiviral Agents after Successfully Treated Early Hepatocellular Carcinoma Improves Survival in Cirrhotic Patients with Chronic Hepatitis C
Mentor: Prof. Calogero Cammà, MD
Presentation: Parallel 11: Hepatobiliary Cancer Risks, Sunday, November 11th

Shakti Prasad Choudhury, DM
151: Continuous Infusion of Terlipressin Is More Effective and Safe Than Bolus Administration in Hvpg Reduction in Patients with Acute Esophageal Variceal Bleed – A Randomised Controlled Trial (NCT02695862)
Mentor: Shiv Kumar Sarin, MD, FAASLD
Presentation: Parallel 21: Complications of Cirrhosis II, Sunday, November 11th

Ulrich Bang, MD, PhD
1354: Regular Use Versus Irregular Use of Propranolol Is Related with Increased Survival Among Patients with Decompensated Alcoholic Cirrhosis
Mentor: Flemming Bendsten, DMSc
Presentation: Poster Session I, Sunday, November 11th

Romain Desert, PhD
187: Matrisome Analysis of Hepatocellular Carcinoma and Cirrhosis Highlights a New Group of Tumors Expressing a Cancer-Specific Extracellular Matrix Signature Associated with Poor Outcome in Humans
Mentor: Natalia Nieto, PhD, Pharm D
Presentation: Parallel 27: Liver Fibrogenesis and Matrix Biology, Monday, November 12th

Jeanne-Marie Giard, MD, MPH
161: Wait-List (WL) Outcomes of Patients with Alcohol-Associated Liver Disease (AALD) Are Superior to Patients with Other Indications for Liver Transplantation (LT): An Analysis of WL Removals
Mentor: Norah Terrault, MD, MPH, FAASLD
Presentation: Parallel 22: Alcoholic Liver Disease: Clinical and Translational, Sunday, November 11th

Hannes Hagström, MD, PhD
1670: Cardiovascular Risk Factors in Non-Alcoholic Fatty Liver Disease
Mentor: Per Stål, MD, PhD
Presentation: Poster Session I, Sunday, November 11th

Yi Huang, PhD
1353: Long Term Clinical Outcomes for Patients with Chronic Liver Disease: An Australian Cohort Study
Mentor: Gary P. Jeffrey, MD
Presentation: Poster Session I, Sunday, November 11th

Fadi-Luc Jaber, PhD
193: Antagonism of Sulfonylurea KATP Channel Subunit in Donor Hepatocytes Enhances Their Capacity for Liver Repopulation By Improving Mitochondrial Health
Mentor: Sanjeev Gupta, MD, FAASLD
Presentation: Parallel 28: Cellular Biology in Liver Transplantation, Monday, November 12th

Takayuki Kondo, PhD
289: A Novel Target for the Prevention of Progression of Acute on Chronic Liver Failure (ACLF)
Mentor: Rajiv Jalan, MD, PhD, FRCP, FRCPE, FAASLD
Presentation: Parallel 44: Acute Liver Failure, Monday, November 12th
International Early Career Investigator Awards

These $1,500 awards provide travel support to early career international researchers to attend and present their work at The Liver Meeting®.

Juan Bayo, PhD
1540: New Therapeutic Strategies for Human Hepatocellular Carcinoma Based on Epigenetic Targeting.
Mentor: Guillermo Mazzolini, PhD MD
Presentation: Poster Session III, Sunday, November 11th

C. Rinaldi A. Lesmana, MD, PhD, FACP, FACG, FINASIM
2332: Serum Uric Acid Level As Independent Risk Factor for Liver Disease Progression in Non-Alcoholic Fatty Liver Disease (NAFLD) Evaluated Using Controlled Attenuation Parameter (CAP) Transient Elastography (TE): Lesson Learnt from Tertiary Referral Center
Presentation: Poster Session IV, Monday, November 12th

AASLD Foundation acknowledges funding for the 2018 Early Career Investigator Awards in Clinical/Translational Science is made possible through an independent grant from Merck.
Rakhi Maiwall, MD, DM  
288: High-Volume Plasma-Exchange Improves Transplant-Free Survival in Patients with Acute Liver Failure- a Prospective Randomized Controlled Trial  
Mentor: Shiv Kumar Sarin, MD, FAASLD  
Presentation: Parallel 44: Acute Liver Failure, Monday, November 12th

Maria-Bernarda Requena, MD  
85: Performance of HCV Core Antigen Quantification in Predicting HCV-RNA Undetectability in Daa-Treated Patients Living in Resource-Constrained Countries.  
Mentor: Karine Lacombe, MD, PhD  
Presentation: Parallel 10: HCV and HEV Diagnostics, Epidemiology and Natural History, Sunday, November 11th

Lirui Wang, PhD  
278: YIPF6 Promotes Diet-Induced Obesity and Hepatic Steatohepatitis By Decreasing FGF21 Secretion  
Mentor: Bernd Schnabl, MD  
Presentation: Parallel 42: Experimental Nonalcoholic Steatohepatitis, Monday, November 12th

AASLD Foundation acknowledges funding for the 2018 International Early Career Investigator Awards is made possible through support from AASLD.

Fellow Research Award  
This $1,000 award is given for the best abstract submitted by a fellow to The Liver Meeting®.

Bhavana Bhagya Rao, MD  
176: Clinic Visit within 30 Days of Hospital Discharge Is Associated with Improved Survival in Cirrhotic Patients  
Mentor: William Carey, MD, FAASLD  
Presentation: Parallel 25: Health Economics and Patient Centered Outcomes, Sunday, November 11th

AASLD Foundation acknowledges funding for the 2018 Fellow Research Award is made possible through support from AASLD.

Liver Transplant and/or Hepatobiliary Surgery Fellow Awards  
These $1,000 travel awards enable liver transplant and/or hepatobiliary surgery fellows submitting abstracts for The Liver Meeting® to receive travel support to attend and present their work.

Carlo Ceresa, MBChB  
3: Exploring the Structural and Functional Effects of Normothermic Machine Perfusion and De-Fatting Interventions on Human Steatotic Livers  
Mentor: Peter J. Friend, MD, FRCS  
Presentation: Transplant Plenary I, Sunday, November 11th

David Wallace, MRCS, MSc, MA, BSc  
1188: The Impact of Pre-Transplantation Performance Status on Hospital Resource Use Following Liver Transplantation  
Mentors: Nigel Heaton, MB, BS, FRCS, William Bernal, MD, FRCP, Jan van der Meulen  
Presentation: Poster Session II, Saturday, November 10th

AASLD Foundation acknowledges funding for the 2018 Liver Transplant and/or Hepatobiliary Surgery Fellow Awards is made possible through support from AASLD.
The International Young Investigator Travel Award

Presented in Honor of Professor C. Y. Kim

This $1,500 award is offered to provide travel support to a young international researcher, residing in Korea, who has submitted a highly meritorious abstract for The Liver Meeting®.

Wonsuk Choi, MD, MSc

276: Serotonin Signals through a Gut-Liver Axis to Regulate Hepatic Steatosis
Mentor: Hail Kim, MD, PhD
Presentation: Parallel 42: Experimental Nonalcoholic Steatohepatitis, Monday, November 12th

This award is made possible through the generosity of an AASLD member donor. He established the award in honor of the lifetime commitment of Professor C. Y. Kim whose pioneering work in the development of a Hepatitis B vaccine for Korea led to the tremendous advances in prevention of hepatitis in Koreans. Through this award, the donor also desires to carry on Dr. Kim’s legacy of mentoring young researchers, as well as following his exemplary spirit of philanthropy to foster liver disease research in Korea

Pediatric Research Award

The purpose of this $1,000 award is to foster excellence in pediatric liver disease research. The award is given to a physician/scientist with a primary appointment affiliation in a department of pediatrics.

Zhenhua Luo, PhD

30: A Molecular Signature Predicts 2-Year Outcome of Biliary Atresia and Identifies a Therapeutic Target to Suppress Fibrosis
Mentor: Jorge A. Bezerra, MD, FAASLD
Presentation: Presidential Plenary – Translational Science and Genomics, Tuesday, November 13th

AASLD Foundation acknowledges funding for the 2018 Pediatric Research Award is made possible through support from AASLD.

PSC Partners Seeking a Cure Award for the Most Promising PSC Research

The annual award of $3,000 is given to the investigator presenting the most promising PSC research at The Liver Meeting®.

Angela Cheung, BSc, MD, FRCP

29: High-Resolution Metabolomics and Exposomics in Primary Sclerosing Cholangitis and Primary Biliary Cholangitis Uncovers Novel, Disease-Specific Associations in Bile Acid and Amino Acid Metabolism and Environmental Toxicant Exposures
Presentation: Presidential Plenary – Translational Science and Genomics, Tuesday, November 13th

AASLD Foundation gratefully acknowledges funding for this award from PSC Partners Seeking a Cure.

Resident Research Award

The purpose of this $1,000 award is to recognize high quality research undertaken by a resident in training.

Kellie Young, MD

8: Lower Likelihood of Graft Failure and Death after Liver Transplantation in the Era of Current Direct Acting Antivirals: An Analysis of the 2002-2016 United Network for Organ Sharing Registry
Mentor: Robert Wong, MD, MS
Presentation: Transplant Plenary II, Sunday, November 11th

AASLD Foundation acknowledges funding for the 2018 Resident Research Award is made possible through support from AASLD.
**Student Research Award**

This $1,000 award is given to a student who is the primary contributor to the research study in the abstract submitted to The Liver Meeting®.

**Jad Baki**

177: *Frailty and Opiate Use Are Strongly Correlated with Quality of Life in Patients with Cirrhosis: A Prospective Study of 300 Outpatients without Hepatic Encephalopathy*

Mentor: Elliot B. Tapper, MD

Presentation: Parallel 25: Health Economics and Patient Centered Outcomes, Sunday, November 11th

*AASLD Foundation acknowledges funding for the 2018 Student Research Award is made possible through support from AASLD.*

**MEMORIAL TRAVEL AWARD PROGRAM**

The AASLD Foundation Memorial Travel Award program was created to allow individuals to be honored by naming travel awards after them. Funding for these awards comes from generous donations in direct support of the award.

**The Leonard B. Seeff Award for Outstanding Research by a Young Investigator**

This award is named in recognition of Dr. Leonard B. Seeff’s legacy as a leader in the field of hepatology, his commitment to training future leaders, and his many contributions to both hepatology and AASLD over the past half century. The goal of this $2,500 award is to inspire young investigators to present their research at The Liver Meeting®.

**Yuri Boteon, MD**

2: *Pharmacological Defatting of Steatotic Human Donor Livers during Ex Situ Normothermic Machine Perfusion*

Mentor: Simon Afford

Presentation: Transplant Plenary I, Sunday, November 11th

**The Maribel Rodriguez-Torres Travel Award**

This award honors the memory of Dr. Maribel Rodríguez-Torres, a renowned researcher and treater of HCV and pioneer for the latest treatments for HIV-HCV patients. The goal of this $2,500 award is to recognize promising research in Hepatitis C therapy from young investigators residing in Latin America or Spain.

**Luis Esteban Ramirez-Gonzalez, MD**

1580: *Risk Factors Associated to Hepatitis C Virus Infection in HIV-Positive Populations of Central Mexico*

Mentor: Juan Gerardo Sierra-Madero, MD

Presentation: Poster Session III, Sunday, November 11th

**The Paul Angulo Travel Award for Best Abstract in Clinical NAFLD**

Dr. Angulo was an exceptional clinical researcher who earned international prestige for his work on autoimmune and fatty liver disease. The goal of this $2,500 award is to encourage clinical research in non-alcoholic fatty liver disease.

**Russell Rosenblatt, MD, MS**

68: *Tight Glucose Control Improves Liver Tests in Diabetics: A Prospective Analysis*

Mentor: Sonal Kumar, MD, MPH

Presentation: Parallel 7: Therapeutic Outcomes In Fatty Liver Disease, Sunday, November 11th
The Professor Margit Hamosh Travel Award
This award honors the life and legacy of Dr. Hamosh, a holocaust survivor and distinguished pediatrics professor at Georgetown University. This $2,500 award is presented to a fellow or junior investigator who submits the most outstanding abstract on hepatocellular carcinoma research for The Liver Meeting®.

Tracey G. Simon, MD
93: Lipophilic Statins and Risk of Hepatocellular Carcinoma and Mortality: A Prospective, Nationwide Population with Chronic Viral Hepatitis
Mentors: Raymond T. Chung, MD, FAASLD, Jonas F. Ludvigsson, MD, PhD
Presentation: Parallel 11: Hepatobiliary Cancer Risks, Sunday, November 11th

The Rosalyn and Leo Fried Memorial Travel Awards
These generous awards, established in 2018 by Drs. Michael W. Fried and Beth L. Jonas, are presented in honor of Dr. Fried’s beloved parents, Rosalyn and Leo Fried. Dr. Fried’s parents shaped his life through their sacrifices and provided love and unwavering support as he and his siblings pursued their academic and professional endeavors. Reflective of Dr. Fried’s educational experiences in Israel and their interests in developing hepatology research around the globe, Drs. Fried and Jonas have established two annual Awards that will encourage and inspire bright researchers from Israel and the Middle East to present their research at The Liver Meeting®.

Inbal Goldshtein, PhD
1735: Extra Hepatic Manifestation of NON Alcoholic Fatty LIVER
Presentation: Poster Session III, Sunday, November 11th

Radi Hamad, MSc, MBA
471: HCV Mass-Screening through Outreach Caravan in Egypt, 2018
Presentation: Poster Session I, Friday, November 9th

The Thomas D. Boyer Travel Award for Outstanding Research in Basic Science by a Young Investigator
Established in 2018, this award honors Dr. Thomas D. Boyer, in recognition of his many contributions to advancing hepatology and his impact on AASLD’s work. The goal of this $2,500 award is to inspire young investigators to present their research at The Liver Meeting®.

Swati Ghosh, PhD
21:Nfκb Suppression of LRH1 and Subsequent ABCG5/8 Suppression Are Involved in the Pathogenesis of Parenteral Nutrition Associated Cholestasis
Mentor: Ronald J. Sokol, MD, FAASLD
Presentation: Presidential Plenary – Basic Science, Monday, November 12th
AASLD Foundation Emerging Liver Scholar Program

2018 Emerging Liver Scholars and their Mentors are:

**Fares Ayoub, MD** • University of Florida
Mentor: Giuseppe Joseph Morelli, MD

**Adam Booth, MD** • University of Texas-Galveston
Mentor: Heather Lynne Stevenson-Lerner, MD, PhD

**Christopher Cao, MD** • Thomas Jefferson University Hospital
Mentor: Steven K. Herrine, MD, FAASLD

**Sasha Deutsch-Link, MD** • University of Pennsylvania
Mentor: Ethan M. Weinberg, MD

**Kelly Diaz, MD** • Mount Sinai Hospital
Mentor: Thomas D. Schiano, MD, FAASLD

**Nikki Duong, MD** • Medstar Georgetown University Hospital
Mentor: James H. Lewis, MD, FAASLD

**Elie Ghoulam, MD** • St. Louis University School of Medicine
Mentor: Nancy Reau, MD, FAASLD

**Anny Bao Ha, MD, MAS** • University of California, San Francisco
Mentor: Mindie H. Nguyen, MD, MAS, AGAF, FAASLD

**Matthew Holzner, MD** • Icahn School of Medicine at Mount Sinai
Mentor: Myron E. Schwartz, MD

**Kyle Jackson, MD** • Johns Hopkins University
Mentor: Jacqueline Garonzik Wang, MD, PhD

**Alyson Kaplan, MD** • Massachusetts General Hospital
Mentor: Kathleen E. Corey, MD, MPH, MMSc

**Zubair Khan, MD** • University of Toledo
Mentor: Thomas C. Sodeman, MD

**Arielle Klepper, MD, PhD** • University of California, San Francisco
Mentor: Michele M. Tana, MD

**Ahmed Kurdi, MD** • Icahn School of Medicine at Mount Sinai
Mentor: James F. Crismale, MD

**Howard Lee, MD** • San Antonio Uniformed Services Health Education Consortium
Mentor: Angelo H. Paredes, MD

**Andrew Li, MD** • Stanford University Medical Center
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**Exhibit Hall • Hall B, Exhibition Level**
The Exhibit Hall, an informative and important component of The Liver Meeting®, provides you with a valuable opportunity to meet with representatives from various organizations that are committed to the field of hepatology. A complete listing of exhibitors and their product descriptions begins below.

**Exhibit Hours**
- Saturday, November 10 * 5:00 PM – 7:30 PM
- Sunday, November 11  9:30 AM – 3:00 PM
- Monday, November 12  9:30 AM – 3:00 PM

*Please join your colleagues on Saturday, November 10, for the Exhibit Hall Opening Reception.

The Exhibit Hall Opening Reception is generously supported by Eisai, Inc. -- please thank them when you visit their booth!

**Coffee / Snack Breaks**

**Sunday, November 11**
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- Snack break  1:30 PM – 2:00 PM

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- Morning coffee break  10:00 AM – 11:00 AM
- Snack break  1:30 PM – 2:30 PM
Exhibitors

AbbVie
Booth(s): 301, 507, 547
1 N Waukegan Road
North Chicago, IL 60064-1802
Phone: (847) 936 7273
Website: www.abbvie.com
AbbVie is a global, research based biopharmaceutical company which combines the focus of a leading edge biotech with the expertise and structure of a long established pharmaceutical leader. AbbVie is committed to using unique approaches to innovation to develop and market advanced therapies that address some of the world's most complex and serious diseases.

AcariaHealth
Booth(s): 147
8427 Southpark Circle, Ste 400
Orlando, FL 32819-9057
Phone: (407) 520 3421
Email: info@acariahealth.com
Website: www.acariahealth.com
Envolve Pharmacy Solutions provides total drug management that combines the systems, tools and expertise of a PBM with the capabilities and experience of a comprehensive specialty pharmacy, AcariaHealth, to provide a full spectrum of pharmacy benefit management services that are tailored to each of our plan sponsor partners.

Accredo
Booth(s): 443
1640 Century Center Parkway
Memphis, TN 38134
Phone: (314) 705 1268
Email: accredorxhelp@acredo.com
Website: www.acredo.com
Accredo is a full service specialty pharmacy dedicated to the treatment of rare and complex conditions. Our comprehensive therapy management programs engage trained pharmacists, nurses, reimbursement specialists, and patient care representatives who provide enhanced support services to patients, their families and healthcare professionals.

Alexion Pharmaceuticals
Booth(s): 235
100 College Street
New Haven, CT 06510-3210
Phone: (610) 662 9422
Website: www.alexion.com
Alexion is a global biopharmaceutical company focused on serving patients and families affected by rare diseases, including lysosomal acid lipase deficiency (LAL D), through the innovation, development and commercialization of life changing therapies.

Alfa Wassermann
Diagnostic Technologies
Booth(s): 706
4 Henderson Drive
West Caldwell, NJ 07006-6608
Phone: (860) 304 3023
Email: info@alfawassermannus.com
Website: www.alfawassermannus.com
Alfa Wassermann clinical chemistry systems use liquid, ready to use reagents, providing an inexpensive alternative to dry chemistry. Alfa Wassermann offers a compact, cost effective, easy to use, innovative benchtop blood chemistry analyzer to maximize research success by quickly and cost effectively transforming in vivo drug safety and efficacy screens.

Allergan Plc
Booth(s): 643
Morris Corporate Center III
Parsippany, NJ 07054
Phone: (201) 427 8621
Website: www.allergan.com
Allergan plc (NYSE: AGN), is a bold, global pharmaceutical company focused on developing, manufacturing and commercializing branded pharmaceuticals, devices and biologic products for patients around the world. For more information, visit Allergan's website at www.Allergan.com.
Alnylam Pharmaceuticals Booth(s): 715
300 3rd Street
Cambridge, MA 02142-1103
Phone: (781) 248 8571
Website: www.alnylam.com
Alnylam is leading the translation of RNA interference (RNAi) into a new class of innovative medicines with the potential to transform the lives of people with rare genetic, cardio metabolic, and hepatic infectious diseases with unmet need. Alnylam's investigational medicines include four late stage product candidates, with one under regulatory review. www.alnylam.com.

Alpha-1 Foundation Booth(s): 134
3300 Ponce De Leon Blvd
Coral Gables, FL 33134-7211
Phone: (305) 567 9888
Email: adearce@alpha-1foundation.org
Website: www.alpha-1foundation.org
The Alpha 1 Foundation is a not for profit organization that is dedicated to providing the leadership and resources that will result in increased research, improved health, worldwide detection, and a cure for Alpha 1 Antitrypsin Deficiency.

American Board of Internal Medicine (ABIM) Booth(s): 744
510 Walnut Street, Suite 1700
Philadelphia, PA 19106-3620
Phone: (800) 441 2246
Email: request@abim.org
Website: www.abim.org
The American Board of Internal Medicine (ABIM) has stood for the highest standard in internal medicine and its 20 subspecialties. Certification has meant that internists have demonstrated – to their peers and to the public – that they have the clinical judgment, skills and attitudes essential for the delivery of excellent patient care. ABIM is not a membership society, but a physician-led non-profit, independent evaluation organization.

American Liver Foundation, The Booth(s): 126
39 Broadway, Rm 2700
New York, NY 10006-3054
Phone: (212) 668 1000
Email: info@liverfoundation.org
Website: www.liverfoundation.org
Founded in 1976, the American Liver Foundation (ALF) is the nation’s leading nonprofit health organization for people living with liver disease. We are a nationwide network of staff and volunteers that provides awareness, outreach, education and patient support services to educate the public about liver health and to improve the lives of individuals and their families affected by liver disease.

American Porphyria Foundation Booth(s): 114
4900 Woodway Drive
Suite 780
Houston, TX 77056
Phone: (713) 266-9617
Email: porphyrus@aol.com
Website: www.porphyriafoundation.org
The mission of the American Porphyria Foundation is to enhance awareness and education about the Porphyrias and to aid in advancing treatment of this group of disorders.

Amsety GmbH Booth(s): 149
Astenplatz 2
Berlin, 12203
Germany
Phone: +49 15739174844
Email: helga.simixhiu@amsety.us
Website: www.amsety.com
Amsety has developed the first nutrition bar to support liver health. Designed by a team of liver health specialists, scientists and food engineers, our bars contain no refined sugars, are sodium free, gluten free, dairy free, vegetarian and kosher. Amsety Bars can only be purchased on our website at www.amsety.com.
Asian Pacific Association for the Study of the Liver (APASL)  Booth(s): 120
1 24 7 313 Shinjuku
Tokyo, 160 0022
Japan
Phone: 81 3 5312 7686
Email: apasl_secretariat@apasl.info
Website: www.apasl.info

Today APASL is one of the leading associations based on investigation and treatment of liver diseases in the world and the largest scientific body that upholds the standards and profession, research and create improved treatment methods for millions of liver patients particularly in the entire Asia Pacific Region.

Asociacion Latinoamericana para el Estudio del Hígado (ALEH)  Booth(s): 104
Estoril 50 oficina
Las Condes, 1005
Chile
Phone: 56226579960
Email: info@alehlatam.org
Website: www.alehlatam.org

A non profit scientific association founded in 1968, whose main objective is to promote and disseminate the study of Hepatology in Latin America, through training and the exchange of scientific knowledge and experiences, to reduce current gaps in the world.

Asociacion Mexicana De Hepatologia  Booth(s): 128
Jose Maria Vertiz, #748 9
Mexico City, 03020
Mexico
Phone: 0155 56 394 033
Website: www.hepatologia.com

The Mexican Hepatology Association is a leading organization involved in the advancement of science and practice of hepatology, promoting better care for patients with liver and biliary diseases. It is involved in the innovation and development of new therapeutic options and is committed to the training of specialists.

Audentes Therapeutics, Inc.  Booth(s): 622
600 California Street, Fl 17
San Francisco, CA 94108-2725
Phone: (415) 849 9530
Website: www.audentestx.com

Audentes Therapeutics is a biotechnology company focused on developing and commercializing gene therapy products for patients living with serious, life threatening rare diseases. We have four product candidates in development including AT342 for the treatment of Crigler Najjar. We are committed to forging strong relationships with the patient, research and medical communities.

Autoimmune Hepatitis Association, Inc.  Booth(s): 130
702 Rotary Circle, Ste 205
Indianapolis, IN 46202-5133
Phone: (317) 201 5740
Website: www.aihep.org

The Autoimmune Hepatitis Association (AIHA) is a nonprofit that offers education and support for patients and families affected by autoimmune hepatitis. The AIHA hosts a biennial patient conference (next one is July 2019 in Indianapolis) and a social media community that connects patients with one another and with research opportunities.

Bayer Healthcare  Booth(s): 327
100 Bayer Boulevard
Whippany, NJ 07981-1544
Phone: (862) 404 5212
Website: www.bayer.com

Bayer is a global enterprise with core competencies in the Life Science fields of health care and agriculture. Its products and services are designed to benefit people and improve their quality of life. At the same time, the Group aims to create value through innovation, growth and high earning power.
BioPredictive

218 Bld Saint Germain
Paris, 75007
France
Phone: +33145443064
Email: contact@biopredictive.com
Website: www.biopredictive.com
BioPredictive offers diagnostic and prognostic blood tests for liver diseases. Over a million tests performed worldwide. BioPredictive’s diagnosis and prognosis tests (FiboTest ActiTest, FibroMax, HCV GenoFibroTest including IL28b) are available online at www.biopredictive.com. FibroTest App (free) including ElastoFibroTest and DAAFibroTest available on iPhone and Android.

Blue Faery: The Adrienne Wilson Liver Cancer Association

1919 Oxmoor Road, # 257
Birmingham, AL 35209-3502
Phone: (818) 636 5624
Email: Info@bluefaery.org
Website: www.bluefaery.org
Blue Faery: The Adrienne Wilson Liver Cancer Association is devoted to fighting primary liver cancer. Founded in Burbank, California, with a satellite location in Birmingham, Alabama, Blue Faery’s mission is to prevent, treat and cure primary liver cancer through research, education and advocacy. For more information, visit www.bluefaery.org.

Boston Scientific Corporation

100 Boston Scientific Way
Marlborough, MA 01752-1234
Phone: (508) 683 4166
Website: www.bostonscientific.com
Boston Scientific is dedicated to transforming patient lives by developing diagnostic and therapeutic devices that support less invasive, more efficient procedures for a variety of GI conditions. Through innovation and partnership, we are advancing important clinical research, supporting education programs and helping healthcare institutions deliver high quality healthcare while managing costs.
Cochrane Hepato Biliary Group, The  Booth(s): 112
Department 7812
Copenhagen, DK 2100
Denmark
Phone: (453) 545 7169
Email: dimitrinka.nikolova@ctu.dk
Website: hbg.cochrane.org
The Cochrane Hepato Biliary Group (CHBG), part of Cochrane, is a non profit, non industry funded international clinical research group with 2300 members. In issue 4, 2018 of The Cochrane Library, we published 343 peer reviewed protocols and 211 systematic reviews. A CHBG Register with RCTs and CCTs is maintained in The Cochrane Library.

Community Liver Alliance  Booth(s): 138
100 W. Station Square Drive
Pittsburgh, PA 15219
Phone: (412) 400 9343
Email: suzanna@communityliveralliance.org
Website: www.communityliveralliance.org
The Community Liver Alliance connects patients to health care providers and services; creates and conducts screenings and educational programs; supports local youth transplant camp; promotes awareness of liver wellness; offers a patient assistance program, funds local research and meets with local, state, and federal policy makers to initiate positive change.

Covance/LapCorp  Booth(s): 721
206 Carnegie Center
Princeton, NJ 08540-6212
Phone: (800) 222 7566
Website: www.labcorp.com
Covance is the world’s most comprehensive drug development company. LabCorp, our parent company, is a market leader in diagnostics with strength in the management of infectious diseases. Together, we offer a single source solution for drug development and treatment of acute and chronic infections. Together, we improve health and improve lives.

Crown Bioscience  Booth(s): 243
11011 Torreyana Road, Ste 200
San Diego, CA 92121-1104
Phone: (415) 577 0153
Website: www.crownbio.com
CrownBio’s metabolic disease portfolio enables our clients to take strategic go/no go decisions as they progress their therapeutic candidates through various stages of drug development. Our platform of rodent and non human primates, (NHP) to model human liver disease, including NAFLD/NASH, is used to predict human efficacy and safety of therapeutic candidates.

CTI Clinical Trial and Consulting  Booth(s): 527
100 E. Rivercenter Boulevard
Covington, KY 41011
Phone: (513) 598 9290
Email: info@ctifacts.com
Website: www.ctifacts.com
CTI is a global, privately held, full service CRO with a passion for helping life changing therapies succeed in chronically and critically ill patient populations. We specialize in the unique challenges associated with hepatic populations, and our therapeutic expertise is a driving force enabling us to successfully design/manage drug development programs in hepatology.

CVS Specialty  Booth(s): 621
1 CVS Drive
Woonsocket, RI 02895-6146
Phone: (847) 559 4105
Website: www.cvsspecialty.com
Our commitment to helping patients and their physicians manage complex drug therapies by delivering expert individualized care and unmatched, multi channel access has made us one of the leading specialty pharmacies in the country. We provide a full range of pharmaceutical care, dispensing the latest FDA approved medications.
Exhibitors (continued)

CymaBay Therapeutics

 Booth(s): 501
7999 Gateway Blvd, Ste 130
Newark, CA 94560-1144
Phone: (207) 522 1647
Email: info@cymabay.com
Website: www.cymabay.com

At CymaBay, we are committed to improving the lives of patients with liver and other chronic diseases by developing and providing access to innovative therapies. We are dedicated to enhancing the quality of healthcare by addressing the complex needs of patients, caregivers and communities and advancing medical knowledge.

DiaPharma Group, Inc

 Booth(s): 601
8948 Beckett Road
West Chester, OH 45069-2939
Phone: (513) 860 9324
Email: info@diapharma.com
Website: www.diapharma.com

See what's new in liver injury biomarkers for NASH, AH, and DILI research at Booth 601. Cytokeratin/Keratin 18 (CK18/K18) is an important biomarker of hepatocyte cell death. Explore RUO M30/M65 ELISAs for measuring hepatocyte apoptosis/necrosis non invasively. DiaPharma offers additional RUO assays for liver injury, including HA, α GST, and Collagen IV.

Diem Labs LLC

 Booth(s): 143
221 Dino Drive
Ann Arbor, MI 48103-9123
Phone: (504) 813 4656
Email: feelbetter@diemlabsllc.com
Website: www.hepaxa-usa.com

Hepaxa™ / Hepaxa™PD are medical foods for dietary management of early-stage NAFLD patients (adults or adolescents aged 10-18). Hepaxa™ is a very specific EPA/DHA ratio shown to reduce steatosis; and 99% of liver-related impurities (POP, PCB) have been filtered/removed. Distributed by DIEM Labs, LLC and developed by BASF/ Pronova (Norway).

Digestive Disease Week

 Booth(s): 102
4930 Del Ray Avenue
Bethesda, MD 20814-2512
Phone: (301) 654-2055
Email: admin@DDW.org
Website: www/DDW.org

Visit us to learn about liver programming at Digestive Disease Week® (DDW) 2019. Then get ready to commemorate 50 years of DDW in San Diego, CA, May 18-21, 2019. The global destination for GI education, DDW is the leading meeting to update clinical knowledge, share research, and make and renew connections with peers.

DILIsym Services

 Booth(s): 720
6 Davis Drive, PO Box 12317
Research Triangle Park, NC 27709-0003
Phone: (510) 470 3452
Website: www.simulations-plus.com/dilisym-services/

DILIsym Services, Inc. has developed the DILIsym® modeling software and the NAFLDsym® modeling software to increase the efficiency of drug development for the pharmaceutical industry by informing key decisions. DILIsym Services, Inc. makes this software available to pharmaceutical companies in addition to performing services projects with the modeling software.

Dova Pharmaceuticals

 Booth(s): 627
250 Leigh Farm Road
Durham, NC 27707
Phone: (630) 886 9114
Website: www.dova.com

Dova is a clinical stage pharmaceutical company focused on acquiring, developing and commercializing drug candidates for rare diseases where there is a high unmet medical need. With a nimble approach and a team of bright minds aglow with passion, we're dedicated to bringing brilliant medicine to market.
**Dynavax Technologies Corporation**  
Booth(s): 145  
2929 7th Street, Ste 100  
Berkeley, CA 94710-2753  
Phone: (510) 665 4635  
Email: contact@dynavax.com  
Website: www.dynavax.com  
Dynavax leverages the power of the body’s innate and adaptive immune responses through toll like receptor (TLR) stimulation. Dynavax discovers and develops novel vaccines and immuno oncology therapeutics. The Company’s first commercial product, HEPLISAV® [Hepatitis B Vaccine (Recombinant), Adjuvanted], is approved in the US for the prevention of hepatitis B in adults.

**Echosens North America, Inc.**  
Booth(s): 435  
1050 Winter Street  
Waltham, MA 02451  
Phone: (781) 790 0830  
Email: inquiries@echosens.com  
Website: www.echosens.us  
Echosens is the world’s leading provider of non invasive, point of care medical devices dedicated to the liver. Our FibroScan® devices are the first to be FDA cleared as an aid for managing patients with liver disease. Echosens also offers the FibroView™ connectivity solution as well as the FibroMeter™ blood test.

**Eisai Inc.**  
Booth(s): 251  
100 Tice Boulevard  
Woodcliff Lake, NJ 07677-8404  
Phone: (201) 746 2695  
Website: www.eisai.com  
As the U.S. pharmaceutical subsidiary of Tokyo based Eisai Co., Ltd., we are a fully integrated pharmaceutical business with discovery, clinical, and marketing capabilities. Our key areas of commercial focus include oncology and neurology (dementia related diseases and neurodegenerative diseases). To learn more about Eisai Inc., please visit us at www.eisai.com/US.

**Enanta Pharmaceuticals**  
Booth(s): 735  
500 Arsenal Street  
Watertown, MA 02472-2806  
Phone: (617) 607 0782  
Email: info@enanta.com  
Website: www.enanta.com  
Enanta Pharmaceuticals is a research and development focused biotechnology company dedicated to creating small molecule drugs for viral infections and liver diseases. Enanta’s research and development efforts, are currently focused on the following disease targets: non alcoholic steatohepatitis, primary biliary cholangitis, respiratory syncytial virus and hepatitis B virus.

**EndHepCSF**  
Booth(s): 150  
995 Potrero Avenue, # 874  
San Francisco, CA 94110-2859  
Phone: (415) 580 7313  
Website: www.endhepcsf.org  
End Hep C SF envisions a San Francisco where hepatitis C is no longer a public health threat, and hepatitis C related health inequities have been eliminated. Our mission is to support all San Franciscans living with and at risk for hepatitis C to maximize their health and wellness.

**ENDRA Life Sciences**  
Booth(s): 246  
3600 Green Court, Ste 350  
Ann Arbor, MI 48105-2440  
Phone: (414) 708 7648  
Email: info@endrainc.com  
Website: www.endrainc.com  
ENDRALifeSciences (NASDAQ: NDRA) is a development stage company with a breakthrough Thermo Acoustic Enhanced UltraSound (TAEUS) enabling clinicians to visualize human tissue composition, function and temperature. Initial application is quantification of fat in the liver, for early detection and monitoring of NAFLD, which affects over 1 billion people globally.
European Association for the Study of the Liver (EASL)  
Booth(s): 116

7, rue Daubin  
CH 1205 Geneva, 1203  
Switzerland  
Phone: 41 22 807 03 60  
Email: easloffice@easloffice.eu  
Website: www.easl.eu

Since 1966, EASL has continued to grow into a major European Association with international influence dedicated to liver research. It has over 4,400 members and its International Liver Congress™ unites over 10,000 liver experts. EASL supports clinical trials and research to the benefit of patients world wide.

Exelixis, Inc.  
Booth(s): 620

220 E Grand Avenue  
South San Francisco, CA 94080-4811  
Phone: (744) 244 6248  
Website: www.exelixis.com

Founded in 1994, Exelixis, Inc. is a commercially successful, oncology focused biotechnology company that strives to accelerate the discovery, development and commercialization of new medicines for difficult to treat cancers. Exelixis is on a mission to help patients recover stronger and live longer.

FUJIFILM Wako Diagnostics USA Corporation  
Booth(s): 427

1025 Terra Bella Avenue  
Mountain View, CA 94043-1829  
Phone: (650) 210 9153  
Email: liver@wakousa.com  
Website: www.wakodiagnostics.com

Wako Diagnostics offers biomarkers AFP L3 (lectin reactive alpha fetoprotein) and DCP (des gamma carboxy prothrombin) to aid in the early detection of hepatocellular carcinoma (HCC) in at risk patients, increasing the possibility of timely application of curative therapies and improved patient outcomes. Both blood tests are 510(k) cleared, CMS reimbursed, and available at major reference laboratories.

Gastroenterology and Endoscopy News  
Booth(s): 245

545 W 45th Street, Fl 8  
New York, NY 10036-3409  
Phone: (212) 957 5300  
Email: gastroendonews@mcmahonmed.com  
Website: www.gastroendonews.com

Gastroenterology & Endoscopy News, a monthly newspaper, provides smart, objective and comprehensive clinical news reporting from international, national and regional gastroenterology meetings. It also features in depth original articles, educational reviews, CME monographs and monthly commentary from celebrated gastroenterologists.

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611 Broadway  
New York, NY 10012  
Phone: (212) 995 2211  
Email: shk@clinicaladvances.com  
Website: www.clinicaladvances.com

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GENFIT CORP  
Booth(s): 635

185 Alewife Brook Pkwy, Ste 410  
Cambridge, MA 02138-1104  
Phone: (617) 714 5252  
Email: contact@genfit.com  
Website: www.genfit.com

GENFIT is a biopharmaceutical company focused on discovering and developing drug candidates and diagnostic solutions targeting drug candidates and diagnostic solutions targeting liver diseases, in particular those of metabolic origin, and hepatobiliary diseases, where there is still considerable unmet need.
Exhibitors

**GI Supply**  
Booth(s): 733  
200 Grandview Avenue  
Camp Hill, PA 17011-1775  
Phone: (717) 350 8339  
Email: info@gi supply.com  
Website: www.gi supply.com  
GI Supply offers the RenovaRP Paracentesis Management System to improve all aspects of large volume paracentesis. The RenovaRP System enhances patient safety and satisfaction, is easy on staff, and is cost effective. The system is highly portable and can be used virtually anywhere, supporting efficient procedures all around.

**Gilead Sciences, Inc.**  
Booth(s): 219, 313, 521, 526  
333 Lakeside Drive  
Foster City, CA 94404  
Phone: (650) 577 6449  
Website: www.gilead.com  
Gilead Sciences, Inc., founded in 1987, is a research based biopharmaceutical company that discovers, develops and commercializes innovative medicines in areas of unmet medical need. Gilead’s portfolio includes treatments for HIV/AIDS, hepatitis, respiratory and cardiovascular conditions, cancer and inflammation. Gilead is one of the world’s largest biopharmaceutical companies, with approximately 5,500 employees across four continents.

**Gore & Associates**  
Booth(s): 344  
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Flagstaff, AZ 86004-5867  
Phone: (928) 864 2605  
Website: www.goremedical.com  
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Denmark  
Phone: + 45 31 52 2650  
Email: info@gubra.dk  
Website: www.gubra.dk  
We are a biotech company focused on pre-clinical contract research (CRO) services and proprietary early target and drug discovery programs. Our focus is the metabolic space (obesity, diabetes, NASH), where we specialize in in vivo pharmacology, peptide chemistry, molecular pharmacology, histology, imaging, stereology, NGS bioinformatics and ex vivo assays.

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Phone: (800) 257 8290  
Website: www.helio.com  
We’re reporting LIVE. Follow what’s trending at Healio.com/GI. See what your peers are reading online – in print. Stop by our booth and pick up your free issue of Healio Gastroenterology – a unique peer tested news magazine. Also see HCV Next. Go to Healio.com/Register.

**HealthWell Foundation**  
Booth(s): 136  
20440 Century Blvd, Ste 250  
Germantown, MD 20874-9180  
Phone: (240) 632 5309  
Email: support@healthwellfoundation.org  
Website: www.healthwellfoundation.org  
The HealthWell Foundation is an independent non profit dedicated to reducing financial barriers to care for underinsured Americans with chronic and life altering medical conditions. HealthWell offers a financial lifeline to adults and children who desperately need critical medical treatments but can’t afford them by assisting with their cost sharing obligations. Learn more: www.HealthWellFoundation.org.
Hepatiq, Inc.  Booth(s): 741
18 Technology Drive, Ste 209
Irvine, CA 92618-2314
Phone: (949) 307 2733
Website: www.hepatiq.com
HEPATIQ is image analysis software that quantifies liver disease severity. It measures liver function, volume, and portal hypertension. Infections, alcohol and fat buildup lead to fibrosis which the liver mitigates by regenerating. Measuring fibrosis is not enough as it is the residual liver function that determines disease outcomes.

Humanity and Health Medical Group Limited  Booth(s): 528
Unit 2101, 21/F.
Hong Kong
China
Phone: 852 2988 8890
Email: info@hnhmgl.com
Website: www.hnhmgl.com
Hong Kong Humanity & Health Medical Group, composed with H&H Research Center; H&H Medical Center (GI & Liver Center, Digestive Endoscopy Centre, Hepatitis C Diagnosis & Treatment Center cooperated with Beijing 302 Hospital of PLA); Explicit Global Medical Group Limited (Medical Diagnostic and Health Assessment Center, Medical Laboratory Center). Visit us at www.hnhmgl.com.

Humedics GmbH  Booth(s): 701
Marie Elisabeth Lueders, Str. 1
Berlin, 10625
Germany
Phone: +49 30 5900 83 240
Email: info@humedics.de
Website: www.humedics.de
Humedics has developed a breath test based diagnostic system for measuring functional liver capacity – the LiMAx test. The system comprises a CE marked medical device, a breath mask and an intravenously administered diagnostic drug. The system has not yet been evaluated and cleared by the FDA and is therefore currently not marketed in the United States.

IIAM  Booth(s): 248
125 May Street
Edison, NJ 08837-3264
Phone: (732) 661 2354
Website: www.iiam.org
IIAM is a world leading provider of non transplantable, healthy and diseased, human organs and tissues for medical research, education and development. These tissues are recovered with minimal ischemia, stored in preservation and delivered in 12–24 hours to qualified researchers, scientists, healthcare and biotech professionals for medical advancement. Visit our website, www.iiam.org.

INDIGO Biosciences, Inc.  Booth(s): 718
1981 Pine Hall Road
State College, PA 16801-2435
Phone: (814) 234 1919
Website: www.indigobiosciences.com
INDIGO Biosciences, Inc. has established itself as the industry leading provider of assay kits and screening services focused on nuclear receptors. With the world’s largest portfolio, INDIGO products and services help customers improve the speed to data, accuracy, ease of use, and cost efficiency of their drug discovery research.

Intercept Pharmaceuticals  Booth(s): 227, 513
10 Hudson Yards Fl 37
New York, NY 10001-2160
Phone: (646) 931 1155
Website: www.interceptpharma.com
Intercept is a biopharmaceutical company focused on the development and commercialization of novel therapeutics to treat progressive non viral liver diseases, including primary biliary cholangitis (PBC), nonalcoholic steatohepatitis (NASH), primary sclerosing cholangitis (PSC) and biliary atresia. Founded in 2002 in New York, Intercept now has operations in the United States, Europe and Canada.
Exhibitors (continued)

**IQVIA**  
Booth(s): 731  
4820 Emperor Boulevard  
Durham, NC 27703-8426  
Phone: (984) 439 3839  
Website: www.iqvia.com  
IQVIA (NYSE:IQV) is a leading global provider of information, innovative technology solutions and contract research services dedicated to using analytics and science to help healthcare stakeholders find better solutions for their patients. Formed through the merger of IMS Health and Quintiles, IQVIA has approximately 55,000 employees worldwide. Learn more at iqvia.com.

**Mayo Clinic Laboratories**  
Booth(s): 151  
3050 Superior Drive, NW  
Rochester, MN 55905-1770  
Phone: (507) 293 7093  
Website: www.mayomedicallaboratories.com  
Mayo Medical Laboratories (MML) is a global reference laboratory bringing Mayo Clinic diagnostic excellence to physicians and patients around the world. MML performs 24 million reference laboratory tests annually and offers 24 hours access to diagnostic and clinical consultation.

**Medical Solutions Technologies**  
Booth(s): 247  
3155 NE 184th Street  
Aventura, FL 33160-4985  
Phone: (704) 941 1414  
Email: akoch@medicalsolutionstech.com  
Website: www.medicalsolutionstech.com  
Medical Solutions is an official distributor of LED medical devices

**Merck**  
Booth(s): 201  
2000 Galloping Hill Road  
Kenilworth, NJ 07033-1310  
Phone: (908) 236 1125  
Email: erica.stagg@merck.com  
Website: www.merck.com  
Today’s Merck is working to help the world be well. Through our medicines, vaccines, biologic therapies, and consumer and animal products, we work with customers and operate in more than 140 countries to deliver innovative health solutions. For more information visit www.merck.com.

**MYR Pharma**  
Booth(s): 719  
Eiermarkt 3c  
Burgwedel, 30938  
Germany  
Phone: +1-617-953-0767  
Email: info@myr-pharma.com  
Website: www.myr-pharma.com  
MYR Pharma is a German company focused on the development of Myrcludex B, a first-in-class entry inhibitor for the treatment of chronic hepatitis B and Delta infections. The drug is currently in advanced stages of clinical development and has completed a world-largest Phase 2b in Hepatitis Delta.

**NASH Education Program, The**  
Booth(s): 244  
885 Avenue Eugene Avinee  
Loos, 59102  
France  
Phone: +33 (0)3 20 16 40 00  
Email: the-nash-education-program@genfit.com  
Website: www.the-nash-education-program.com  
The NASH Education Program™ is a healthcare initiative driven in collaboration with an independent and international scientific committee, aimed at producing and disseminating essential medical knowledge about NASH (Non Alcoholic Steatohepatitis). The objective is to develop disease awareness activities targeting multiple audiences (physicians, patients and families) and address unmet information needs.

**National Death Index**  
Booth(s): 148  
3311 Toledo Road, Rm 7316  
Hyattsville, MD 20782-2064  
Phone: (301) 458 4240  
The National Death Index is a computerized index of death record information from the state vital statistics offices. Working with the states, the NDI was established as a resource to aid epidemiologists and other health and medical investigators with mortality ascertainment. The NDI is restricted to medical and health research.
### Exhibitors (continued)

<table>
<thead>
<tr>
<th><strong>National Institute on Alcohol Abuse and Alcoholism (NIAAA)</strong></th>
<th><strong>Booth(s): 144</strong></th>
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<tbody>
<tr>
<td>5635 Fishers Lane</td>
<td></td>
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<tr>
<td>Rockville, MD 20892</td>
<td></td>
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<tr>
<td>Phone: (301) 443 0596</td>
<td></td>
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<tr>
<td>Email: <a href="mailto:jo-ann.kriebel@nih.gov">jo-ann.kriebel@nih.gov</a></td>
<td></td>
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<tr>
<td>Website: <a href="http://www.niaaa.nih.gov">www.niaaa.nih.gov</a></td>
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<tr>
<td>The National Institute on Alcohol Abuse and Alcoholism (NIAAA) exhibit highlights the importance of alcohol research, prevention, and treatment for maintaining health. The NIAAA booth features publications appropriate for the public, research findings for professionals and policy makers, and research grant opportunities available for biomedical and social science researchers.</td>
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<tr>
<th><strong>Novartis Pharma AG</strong></th>
<th><strong>Booth(s): 551</strong></th>
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<tr>
<td>Forum 1</td>
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<tr>
<td>Basel, 4056</td>
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<tr>
<td>Switzerland</td>
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<tr>
<td>Phone: +44 7920 783509</td>
<td></td>
</tr>
<tr>
<td>Email: <a href="mailto:media.relations@novartis.com">media.relations@novartis.com</a></td>
<td></td>
</tr>
<tr>
<td>Website: <a href="http://www.novartis.com">www.novartis.com</a></td>
<td></td>
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<tr>
<td>Novartis provides innovative healthcare solutions that address the evolving needs of patients and societies. Headquartered in Basel, Switzerland, Novartis offers a diversified portfolio to best meet these needs: innovative medicines, eye care and cost saving generic pharmaceuticals. Novartis products are sold in approximately 155 countries around the world.</td>
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<tr>
<th><strong>Novo Nordisk A/S</strong></th>
<th><strong>Booth(s): 135</strong></th>
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<tr>
<td>DK-2860 Soeborg</td>
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<tr>
<td>Denmark</td>
<td></td>
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<tr>
<td>Phone: +45 30 75 1864</td>
<td></td>
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<tr>
<td>Email: <a href="mailto:Jing@novonordisk.com">Jing@novonordisk.com</a></td>
<td></td>
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<tr>
<td>Website: <a href="http://www.novonordisk.com">www.novonordisk.com</a></td>
<td></td>
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<tr>
<td>Novo Nordisk is a global healthcare company with more than 90 years of innovation and leadership in diabetes care. This heritage has given us experience and capabilities that also enable us to help people defeat other serious chronic conditions: haemophilia, growth disorders, obesity, chronic kidney disease, cardiovascular disease and NASH.</td>
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<tr>
<th><strong>OraSure Technologies</strong></th>
<th><strong>Booth(s): 700</strong></th>
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<tbody>
<tr>
<td>220 E 1st Street</td>
<td></td>
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<tr>
<td>Bethlehem, PA 18015-1360</td>
<td></td>
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<tr>
<td>Phone: (484) 353 1623</td>
<td></td>
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<tr>
<td>Website: <a href="http://www.orasure.com">www.orasure.com</a></td>
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<tr>
<td>OraSure Technologies manufactures oral fluid devices and other technologies designed to detect or diagnose critical medical conditions. Its innovative products include rapid tests for HIV and HCV antibodies, influenza antigens, testing solutions for detecting drugs of abuse, and oral fluid sample collection, stabilization and preparation products for molecular diagnostic applications.</td>
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<tr>
<th><strong>Organovo, Inc.</strong></th>
<th><strong>Booth(s): 711</strong></th>
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<tbody>
<tr>
<td>6275 Nancy Ridge Drive</td>
<td></td>
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<tr>
<td>San Diego, CA 92121-2245</td>
<td></td>
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<tr>
<td>Phone: (858) 224 1073</td>
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<tr>
<td>Email: <a href="mailto:info@organovo.com">info@organovo.com</a></td>
<td></td>
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<tr>
<td>Website: <a href="http://www.organovo.com">www.organovo.com</a></td>
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<tr>
<td>Organovo develops dynamic, multicellular, 3D bioprinted human tissues that closely mimic native architecture and function for the advancement of preclinical safety testing, disease modeling, ADME, and therapeutic applications. Available through our NovoView™ Preclinical Services, ExVive™ 3D Bioprinted Liver and Kidney Tissues model human biology for effective translation to the clinic.</td>
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<tr>
<th><strong>PBCers Organization</strong></th>
<th><strong>Booth(s): 110</strong></th>
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<tbody>
<tr>
<td>1430 Garden Road</td>
<td></td>
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<tr>
<td>Pearland, TX 77581-8725</td>
<td></td>
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<tr>
<td>Phone: (510) 386 8369</td>
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<tr>
<td>Email: <a href="mailto:pbcers@pbcers.org">pbcers@pbcers.org</a></td>
<td></td>
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<tr>
<td>Website: pbcers.org</td>
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<tr>
<td>Our mission is to unite people diagnosed with Primary Biliary Cholangitis (formerly known as Primary Biliary Cirrhosis), which is a progressive chronic liver disease. Our organization helps PBC patients, their care givers, friends and families cope with PBC and improve the quality of their lives through education and support.</td>
<td></td>
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</tbody>
</table>
Perspectum Diagnostics LTD  
Booth(s): 611
23 38 Hythe Bridge Street
Oxford, OX1 2ET
United Kingdom
Phone: 01 865 261 457
Email: info@perspectum-diagnostics.com
Website: www.perspectum-diagnostics.com
Perspectum Diagnostics combines state-of-the-art digital imaging technologies and innovative software to empower the medical community through Magnetic Resonance Imaging (MRI). Our LiverMultiScan™ and MRCP+™ Quantitative Analysis Services have been developed to aid new approaches to liver disease management, enabling new therapies and supporting earlier and more accurate diagnosis of disease.

Philips Healthcare  
Booth(s): 727
3000 Minuteman Road
Andover, MA 01810-1032
Phone: (978) 659 4493
Email: Brenda.beauchamp@philips.com
Website: www.usa.philips.com/healthcare/resources/landing/epiq/epiq-ultrasound-hepatology
Philips is a leading health technology company focused on improving people’s health and enabling better outcomes. Philips EPIQ ultrasound system features the Ultimate Ultrasound Liver solution to non invasively assess liver disease, including ElastQ Imaging, a real time, large Region of Interest (ROI), color coded quantitative assessment of tissue stiffness using shear wave elastography.

PhoenixBio USA Corporation  
Booth(s): 542
65 Broadway, Ste 605
New York, NY 10006-2545
Phone: (212) 379 6411
Email: marketing@phoenixbio.co.jp
Website: www.phoenixbio.co.jp/en
PhoenixBio produces the PXB Mouse®, the world’s most widely used humanized liver chimeric mouse model, for pre clinical development. With a liver consisting up to 95% human hepatocytes, the PXB Mouse® offers reproducible human translatability in the fields of DMPK/Tox, HBV/HCV, NASH/NAFLD and Gene Editing/Oligonucleotide Therapeutics, saving time and costs in pre clinical development.

Pittsburgh Liver Research  
Booth(s): 743
5414 Bst-200 Lothrop Street
Pittsburgh, PA 15261-0001
Phone: (845) 603 6440
Email: livercenterpitt@gmail.com
Website: www.livercenter.pitt.edu
The Pittsburgh Liver Research Center provides a platform to enhance scientific interactions and collaborations among scientists and physicians and support research by providing innovative cores, clinical component, pilot funding and enrichment program. Gene Expression: The Journal of Liver Research, publishes articles on all aspects of basic and translational liver research.

Plexision, Inc.  
Booth(s): 342
4424 Penn Avenue, Ste 202
Pittsburgh, PA 15224-1338
Phone: (301) 651 3367
Email: info@plexision.com
Website: www.plexision.com
Plexision develops and markets cell based tests for personalized disease management and drug development for the Immunocompromised host. The company’s first product, Pleximmune, is FDA approved to predict rejection in children with liver or intestine transplantation. Plexision’s products and services are offered from its CLIA approved, GLP and GMP compliant reference laboratory.

Promethera Biosciences SA  
Booth(s): 704
Rue Granbonpre 11
Mont Saint Guibert, 1435
Belgium
Phone: +32476650438
Website: www.promethera.com
Promethera Biosciences is a global innovator in liver therapeutics whose mission is to enable patients to overcome acute and chronic liver diseases by developing cell and antibody technologies. Our lead clinical program, derived from our patented cell technology platform HepaStem, is designed to benefit from its immune modulatory and anti fibrotic properties.
Prometheus Laboratories Inc.  Booth(s): 722
9410 Carroll Park Drive
San Diego, CA 92121-5201
Phone: (888) 423 5227
Website: www.prometheuslabs.com
Prometheus is committed to improving lives through the development and commercialization of novel pharmaceutical and diagnostic products that enable physicians to provide greater individualized patient care. We are primarily focused on the detection, diagnosis and treatment of disorders within the fields of gastroenterology and oncology.

ProSciento, Inc.  Booth(s): 745
855 3rd Avenue, Ste 3340
Chula Vista, CA 91911-1350
Phone: (619) 240 8277
Website: www.prosciento.com
ProSciento is a full scope clinical R&D services provider, exclusively focused on NASH, diabetes and obesity. The company is widely recognized for quality and scientific excellence, extensive experience, and scalable R&D services model – combining deep therapeutic area expertise, strategic planning, and operational execution from preclinical to phase III readiness.

PSC Partners Seeking a Cure  Booth(s): 142
6900 E Belleview Avenue, Ste 202
Greenwood Village, CO 80111-1627
Phone: (303) 771 5227
Email: contactus@pscpartners.org
Website: www.pscpartners.org
PSC Partners Seeking a Cure provides education and support to PSC patients, families and caregivers, and raises funds to research causes, treatments and cures for Primary Sclerosing Cholangitis. PSC Partners has awarded $3 million in research grants, has a growing patient registry, and holds annual conferences for patients and caregivers.

Research Diets, Inc.  Booth(s): 739
20 Jules Lane
New Brunswick, NJ 08901-3642
Phone: (732) 247 2390
Email: Info@researchdiets.com
Website: www.ResearchDiets.com
Research Diets, Inc. formulates and produces purified OpenSource Diets® for laboratory animals. Custom diets shipped in 5–7 days. BioDAQ® Food and Liquid Intake Monitor for mice and rats’ mounts to home cage and records the time, duration, amount of each meal automatically. BioDAQ NHP monitors food intake of socially housed NHPs.

Resoundant Inc.  Booth(s): 545
421 1st Avenue, SW Ste 204
Rochester, MN 55902-4339
Phone: (507) 266 4211
Email: mreinfo@resoundant.com
Website: www.resoundant.com
Resoundant, Inc. produces magnetic resonance elastography, MRE, technology that is available for new and existing MRI scanners manufactured by Philips, GE and Siemens. MRE was developed by Dr. Richard Ehman and his team at the Mayo Clinic. There are nearly 900 systems installed around the world. www.resoundant.com

Retrophin  Booth(s): 705
3721 Valley Centre Drive, Ste 200
San Diego, CA 92130-3330
Phone: (706) 260 8596
Email: info@retrophin.com
Website: www.retophin.com
Retrophin is a biopharmaceutical company dedicated to delivering life changing therapies to people living with rare diseases who have few, if any, treatment options.
Salix Pharmaceuticals, Inc.  Booth(s): 111
400 Sommerset Boulevard
Bridgewater, NJ 08007
Phone: (908) 541 1312
Email: communications@salix.com
Website: www.salix.com
For almost 30 years, Salix Pharmaceuticals has been committed to the prevention and treatment of gastrointestinal diseases. Salix licenses, develops, and markets innovative products to improve patients’ lives and arm healthcare providers with lifechanging solutions. Salix is headquartered in Bridgewater, New Jersey.

Samsara Sciences  Booth(s): 713
6310 Nancy Ridge Drive, Ste 106
San Diego, CA 92121-3209
Phone: (858) 617 0790
Email: info@samarasciences.com
Website: www.samarasciences.com
Samsara Sciences is dedicated to the provision of high quality primary human liver and kidney cells. We specialize in non parenchymal cells of the liver isolated from a spectrum of healthy and diseased donors. Each lot of cells comes with extensive phenotypical characterization and comprehensive histopathologic assessment of the tissue of origin.

Sanyal Biotechnology  Booth(s): 546
Regional Health Professions Center
3645 Faculty Blvd, Ste. 229
Virginia Beach, VA 23453-8000
Phone: (757) 327 4376
Email: info@sanyalbio.com
Website: www.sanyalbio.com
Sanyal Biotechnology is a contract research organization specializing in pre clinical small animal model screening of drugs. We have developed a proprietary mouse model, the DIAMOND™ mouse, that develops NAFLD and NASH solely as a result of Western Diet.

Shionogi Inc.  Booth(s): 335
300 Campus Drive
Florham Park, NJ 07932-1038
Phone: (973) 307 3353
Website: www.shionogi.com
Shionogi Inc. is the U.S. subsidiary of Shionogi & Co., Ltd., a drug discovery based pharmaceutical company founded in Osaka, Japan 139 years ago. Our focus is on developing the best possible medicines that address unmet medical needs and help patients and their families worldwide.

SuperSonic Imagine  Booth(s): 603
2625 Weston Road
Weston, FL 33331-3614
Phone: (425) 686 6380
Email: contactsUSA@supersonicimagine.com
Website: www.supersonicimagine.com
SuperSonic Imagine develops and markets a non invasive liver assessment tool, Aixplorer®, that provides a solution for the assessment and monitoring of chronic liver disease. Real time ShearWave™ Elastography (SWE™) delivers liver stiffness measurements under ultrasound guidance and has been validated in over 150 peer reviewed publications.

University of Liverpool Hepatology Drug Interactions Group  Booth(s): 146
1st Floor, H Block
Liverpool, L69 3GF
United Kingdom
Phone: 0044 151 794 5553
Website: www.hep-druginteractions.org
The University of Liverpool Drug Interactions Group provides clinically useful, reliable, comprehensive, up to date, evidence based drug drug interaction resources, freely available to healthcare workers, patients and researchers. Our websites www.hep-druginteractions.org and www.hiv-druginteractions.org and companion mobile applications enable rapid screening for DDIs with hepatology and HIV agents.
Exhibitors (continued)

**UPMC**

200 Lothrop Street  
Pittsburgh, PA 15213-2536  
Phone: (412) 864 4373  
Email: gibsonh@upmc.edu  
Website: www.UPMC.com/transplant

Since the program’s inception in 1981, UPMC Transplant Services has been a pioneer in the development and refinement of new transplant procedures. UPMC is committed to reducing waiting list deaths through robust living donor kidney and living donor liver transplant programs, as well as other innovative methods to expand the donor pool.

**Virology Education**

Biltstraat 106  
Utrecht, 3572BJ  
Netherlands  
Phone: 31 30 2307140  
Email: info@virology-education.com  
Website: www.virology-education.com

Virology Education is a leading provider of innovative scientific and educational programs worldwide, with over 20 years of experience and a wide network of experts. Our programs provide platforms for scientific exchange, education and knowledge sharing tailored to the needs of healthcare professionals in the fields of virology and liver disease.

**Vital Therapies, Inc.**

15010 Avenue of Science, Ste 200  
San Diego, CA 92128-3421  
Phone: (858) 649 1851  
Email: info@vitaltherapies.com  
Website: www.vitaltherapies.com

Vital Therapies is a late clinical stage biotechnology company developing an investigational human hepatic cell based therapy targeting the treatment of acute forms of liver failure. Our research suggests our VTL C3A cells produce beneficial proteins both spontaneously and in response to compounds found in the patient’s plasma.

**Wiley**

101 Stations Landing  
Medford, MA 02155  
Phone: (781) 388 8361  
Email: info@wiley.com  
Website: www.wiley.com

Wiley, a global company, helps people and organizations develop the skills and knowledge they need to succeed. Our online scientific, technical, medical, and scholarly journals, combined with our digital learning, assessment and certification solutions help universities, learned societies, businesses, governments, and individuals increase the academic and professional impact of their work.

**Wilson Therapeutics AB**

Via P.L. Chiesa 3  
Chiasso, 6830  
Switzerland  
Phone: 00460709441877  
Email: info@wilsontherapeutics.eu  
Website: www.wilsontherapeutics.com

Wilson Therapeutics is a biopharmaceutical company, based in Stockholm, Sweden, that develops novel therapies for patients with rare diseases. Wilson Therapeutics’ lead product, WTX101, is initially being developed as a novel treatment for Wilson Disease and has been evaluated in a Phase 2 clinical study.

**World Gastroenterology Organisation**

555 E Wells St Ste 1100  
Milwaukee, WI 53202-3800  
Phone: (414) 918 9798  
Email: info@worldgastroenterology.org  
Website: www.worldgastroenterology.org

The World Gastroenterology Organisation (WGO) is a federation comprised of over 100 member societies representing more than 50,000 individuals worldwide. WGO focuses on the improvement of standards in gastroenterology training and education globally. The WGO Foundation is the philanthropic resource for the WGO mission.


WuXi AppTec Booth(s): 447

2540 Executive Drive
Saint Paul, MN 55120-1175
Phone: (651) 675-2000
Email: wuxiconcierge@wuxiapptec.com
Website: wuxiapptec.com

WuXi AppTec is a leading global pharmaceutical and medical device open-access capability and technology platform company with global operations. As an innovation-driven and customer-focused company, WuXi AppTec provides a broad and integrated portfolio of services to help our worldwide customers and partners shorten the discovery and development time and lower the cost of drug and medical device R&D through cost-effective and efficient solutions.
Friday, November 9
8:00 AM – 10:00 AM Room 153/155
Advancing AIH Understanding and Care
SESSION CHAIRS: Christopher L. Bowlus
Luca Fabris

Cholestatic and Biliary Diseases SIG
1.75 CME Credits

This program will present an update on the current state of knowledge about autoimmune hepatitis and identify the gaps in knowledge related to the immunologic, environmental and genetic factors underlying AIH. The program will also review clinical management, identify unmet needs and discuss barriers along the path toward development of new therapies for AIH.

Learning Objectives:
- To articulate the basic concepts underlying the pathophysiology of autoimmune hepatitis
- To appropriately treat autoimmune hepatitis, including among those in special populations such as children and minorities

8:00–8:05 AM Welcome and Introductions
8:05–8:20 AM Immunopathogenesis of AIH
David N. Assis
8:20–8:35 AM Genetic and Environmental Risk Factor for AIH
Craig Lammert
8:35–8:50 AM AIH in Special Populations (Children and Minorities)
Nanda Kerkar
8:50–9:00 AM Panel Discussion

Friday, November 9
8:00 AM – 10:00 AM Room 24/25
Navigating the Road to Elimination of HCV in the US
SESSION CHAIRS: Andrew Joseph Muir
Nancy Reau

Hepatitis C SIG
2.00 CME Credits

This program will cover the key components that support efforts to define a program toward eradication of HCV in the US. The program is centered around modeling, engagement of individuals who are difficult to link to care and screening efforts. Access to care and the role of advocacy is instrumental and approaches toward successful advocacy will also be discussed.

Learning Objectives:
- Define key deficits in screening for Hepatitis C
- Outline patient groups instrumental to elimination
- Discuss key component of advocacy that support a pathway toward elimination

Session I: Evolution of the Current Standard of Care
8:00–8:15 AM Screening: Are We Targeting to Correct Populations?
John W. Ward

Session II: Defining an Elimination Strategy
8:15–8:30 AM HCV and the Prison
Anne Spaulding
8:30–8:45 AM Can We Achieve HCV Elimination without Strategies for Marginalized People Who Inject Drugs?
Jason Grebely
8:45–9:00 AM Panel Discussion

Session III: Advocacy- What Does This Mean
9:00–9:15 AM Effective Grass Roots Movement
Stacey Trooskin
9:15–9:30 AM Can Patients Change Bureaucracy?
Michael Ninburg
9:30–9:45 AM Can a Physician Advocate?
Robert G. Gish
9:45–10:00 AM Panel Discussion
The hemodynamic changes in Fontan circulation (the palliative intervention in single ventricle physiology) confer risk of liver complications, particularly congestive hepatopathy. This program will include descriptions of the hepatopathy, the pathobiology of Fontan associated liver fibrosis, available diagnostic tools including imaging techniques and transplant-related medical decision making in the context of a failing Fontan.

Learning Objectives:

- Understand how to monitor patients with single ventricle physiology for development of fibrosis
- Understand how to use non-invasive imaging modalities to monitor for fibrosis progression in this patient population
- Understand the factors involved in transplant decisions for these patients

8:00–8:05 AM Welcome and Introductions
8:05–8:20 AM Failing Fontan – What Are the Options? Angela Lorts
8:20–8:35 AM Hepatopathy in Single Ventricle/ Congenital Heart Disease Elizabeth Rand
8:35–8:50 AM Imaging in Fontan Associated Liver Disease Jonathan Dillman
8:50–9:05 AM Break
9:05–9:20 AM Pathobiology of Liver Fibrosis (The Fontan Impact) Vijay Shah
9:20–9:35 AM The Transplant Option-Decision Making John C Magee
9:35–9:55 AM Panel Discussion
9:55–10:00 AM Closing Remarks
Approximately 24,000 liver transplants are performed annually worldwide. Survival is excellent and continues to improve, with one-year survival currently exceeding 85 percent. Unfortunately, there remains a gap between the need for liver transplantation and the number of available donor organs. To close this gap, there is a need to innovate procurement and optimization of donor organs. This course will look at the impact of anti-HCV therapies, donation after cardiac death and perfusion strategies in donor organ availability. The course will also review current knowledge of liver transplant oncology (including out-of-Milan hepatocellular carcinoma), cholangiocarcinoma and colon cancer metastasis. Finally, the course will discuss ways attendees can ensure ongoing innovation and expand the utility of transplantation.

Learning Objectives:
- Understand the impact of anti-HCV therapies, donation after cardiac death and perfusion strategies in donor organ availability
- Update the knowledge of liver transplant oncology, including out-of-Milan hepatocellular carcinoma, cholangiocarcinoma and colon cancer metastasis
- Promote self and program analysis to ensure ongoing innovation and expanding the utility of transplantation
# AASLD/ASGE Endoscopy Course

## Friday, November 9

8:00 AM – 4:00 PM    Room 22/23

**Optimizing Endoscopic Outcomes in Liver Disease**

**SESSION CHAIRS:** Rajesh Keswani  
Anne Marie Lennon

**MODERATORS:** Shelby Sullivan  
Tonya Kaltenbach

6.50 CME Credits

Gastrointestinal endoscopy plays an integral role in the evaluation and management of patients with advanced liver disease, as well as patients with biliary tract disease with or without coexisting liver disease. The endoscopic management of these patients is often complex and challenging. Attendees of this session will have the opportunity to enhance their knowledge with state-of-the-art presentations on the endoscopic management of a variety of conditions related to this special population.

**Learning Objectives:**
- Understand how to perform high quality colonoscopy in patients with liver disease
- Employ current evidenced based interventions for managing bleeding related to portal hypertensive gastropathy, GAVE, gastric and esophageal varices
- Understand the role of endoscopy in managing biliary adverse events in the post-liver transplant patient
- Recognize controversies in the management of cholangiocarcinoma
- Discuss the role of endoscopic bariatric procedures in patients with liver disease

### Session I: Performing High Quality Endoscopy

**MODERATOR:** Anne Marie Lennon

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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>8:05–8:20 AM</td>
<td>Do I Need to Give Platelets or Plasma? Understanding Bleeding Risk of Cirrhotic Patients</td>
<td>Stephen H. Caldwell</td>
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<td>8:20–8:40 AM</td>
<td>Choosing Safe and Effective Sedation</td>
<td>John Vargo</td>
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<tr>
<td>8:40–8:55 AM</td>
<td>Sweating the Small Stuff: A Checklist of Things to Consider Before Endoscopy</td>
<td>Joseph Ahn</td>
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<tr>
<td>8:55–9:15 AM</td>
<td>Performing the Perfect Colonoscopy: Special Considerations in Liver Disease</td>
<td>Hugo E. Vargas</td>
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<td>9:15–9:30 AM</td>
<td>Panel Discussion</td>
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<td>9:30–9:45 AM</td>
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**Session II: Diagnostic Dilemmas in Endoscopy**

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<th>Time</th>
<th>Session Title</th>
<th>Presenter(s)</th>
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<tr>
<td>9:45–10:05 AM</td>
<td>Incidental Pancreas Cyst: What Do I Need to Do?</td>
<td>Anne Marie Lennon</td>
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<tr>
<td>10:05–10:25 AM</td>
<td>Approach to the Indeterminate Biliary Stricture</td>
<td>Bret Petersen</td>
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<td>10:25–10:45 AM</td>
<td>Endoscopic Controversies in Cholangiocarcinoma</td>
<td>Andrew Joseph Muir</td>
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<td>10:45–11:05 AM</td>
<td>Evolving Management of Complex Post-Transplant Strictures: From Roux to</td>
<td>Rajesh Keswani</td>
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<td>11:55 AM–12:55 PM</td>
<td>Intermission</td>
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**Session III: When It Bleeds, It Pours**

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<th>Time</th>
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<th>Presenter(s)</th>
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<tr>
<td>12:55–1:15 PM</td>
<td>Management of Acute Variceal Hemorrhage</td>
<td>Guadalupe Garcia-Tsao</td>
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<td>1:15–1:35 PM</td>
<td>Let Your Radiologist Sleep: Learning to Glue</td>
<td>Roy Soetikno</td>
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<td>1:35–1:55 PM</td>
<td>New Tools to Manage Non-Variceal Bleeding</td>
<td>Tonya Kaltenbach</td>
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<td>1:55–2:15 PM</td>
<td>Managing GAVE and Portal Hypertensive Gastropathy</td>
<td>David W. Victor</td>
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<td>2:15–2:30 PM</td>
<td>Panel Discussion</td>
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<td>2:30–2:45 PM</td>
<td>Break</td>
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**Session IV: New Frontiers in Endoscopy: How Will It Change Your Liver Practice?**

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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Presenter(s)</th>
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<tr>
<td>2:45–2:55 PM</td>
<td>Pro: EUS-Guided Liver Biopsy Is Ready for Prime Time</td>
<td>Kenneth Chang</td>
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<td>2:55–3:05 PM</td>
<td>Con: We Aren’t Ready to Change the Gold Standard</td>
<td>Joseph Ahn</td>
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<td>3:05–3:25 PM</td>
<td>Is Endoscopy the Cure for Fatty Liver Disease?</td>
<td>Shelby Sullivan</td>
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<td>3:25–3:45 PM</td>
<td>Endoscopic Measurement of Portal Vein Pressure: Should We be Doing It and If so How?</td>
<td>Kenneth Chang</td>
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<tr>
<td>3:45–4:00 PM</td>
<td>Panel Discussion</td>
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Clinical Research Workshop

**Friday, November 9**
9:00 AM – 11:00 AM  Room 154/156

**Researching and Applying Precision Medicine in Hepatology**

**SESSION CHAIRS:** Robert J. Fontana  Julia J. Wattacheril

**PANELISTS:**
- David Goldstein
- Nancy Spinner
- Grace L. Su
- Yujin Hoshida
- Louise Bier

**1.75 CME Credits**

Precision medicine has the potential to completely revolutionize health care research and treatment – allowing doctors and researchers to more accurately predict which treatment and prevention strategies for a particular disease will work in individual patients or groups of patients vs. a one-size-fits all paradigm. This workshop will describe the importance of genomic and other molecular information to the delivery of individualized clinical care and identify challenges to implementation, help attendees associate clinically available tools in the diagnosis and management of chronic liver disease with emerging technology, illustrate a clear example of the utility and limitations of precision medicine approaches in hepatology and identify available resources to overcome limitations.

**Learning Objectives:**
- Describe the importance of genomic and other molecular information to the delivery of individualized clinical care and identify challenges to implementation
- Associate clinically available tools in the diagnosis and management of chronic liver disease with emerging technology
- Illustrate a clear example of the utility and limitations of precision medicine approaches in hepatology and identify available resources to overcome limitations

9:00–9:05 AM  Welcome and Introductions
9:05–9:25 AM  Now Is the Time for Precision Medicine in Hepatology  David Goldstein
9:25–9:45 AM  Genetics and Inherited Liver Disease  Nancy Spinner
9:45–10:05 AM  Applying Precision Medicine in Imaging of Liver Disease  Grace L. Su
10:05–10:25 AM  Precision Medicine in HCC Research  Yujin Hoshida
10:25–10:50 AM  Case Presentation and Panel Discussion: How Do I Handle Clinically Actionable Findings in My Research Study?
10:50–11:00 AM  Intermission (includes travel time to Breakout Sessions)

**Friday, November 9**
11:00 AM – Noon

**Breakout Sessions**

**SESSION CHAIRS:** Robert J. Fontana  Julia J. Wattacheril

**CME Not Offered**

Led by well-known experts in the field, these highly interactive sessions dive deeper into hot topics related to the theme of the Clinical Research Workshop.

11:00 AM–12:00 PM  Breakout Session I: Identifying Phenotypes and Study Design Considerations  Fasih Kanwal, Jasmohan S. Bajaj
11:00 AM–12:00 PM  Breakout Session II: Establishing Cohorts and Finding Funding  Dara Richardson-Heron, Rohit Loomba
11:00 AM–12:00 PM  Breakout Session III: Methodological Consideration in Genomics  Elizabeth K. Speliotes, Saul J. Karpen
Coffee Break

Friday, November 9
10:00 AM – 11:00 AM   Hall A and the North Lower Lobby
This break is generously supported by UPMC!

SIG Programming

Friday, November 9
10:30 AM – 12:30 PM Room 24/25
Mechanisms of Regression of Portal Hypertension

SESSION CHAIRS: Jonathan Andrew Fallowfield
Jordi Gracia-Sancho

MODERATORS: Guadalupe Garcia-Tsao
Jaime Bosch

Portal Hypertension: Clinical and Experimental SIG
1.75 CME Credits

There has been no new drug class in the treatment of portal hypertension in over 25 years. But recent advancements in our understanding of the pathophysiology of portal hypertension and its potential regression have informed development of non-invasive biomarkers and revealed exciting new targets for therapy. This program will discuss key developments in the basic biology of portal hypertension and how this knowledge is being applied to develop novel biomarkers and therapeutic approaches for portal hypertension.

Learning Objectives:

- Discuss the pathophysiology of portal hypertension and the cellular communications occurring within the liver sinusoid to develop therapeutic options promoting portal hypertension regression
- Recognize advantages and limitations of non-invasive biomarkers of portal hypertension to assess disease progression and regression
- Identify current clinical evidence of spontaneous regression of portal hypertension and predict regression in response to new therapeutic options

Session I: Cellular and Molecular Basis for Portal Hypertension Regression

10:30–10:35 AM Welcome and Introductions
10:35–10:50 AM Regression of Portal Hypertension: Dynamic Vs. Structural Components
Jonathan Andrew Fallowfield
10:50 AM–11:05 AM Sinusoidal Communications and Potential Role in Portal Hypertension Regression
Jordi Gracia-Sancho
11:05–11:20 AM Pathophysiological Rationale for Non-Invasive Biomarkers of Portal Hypertension Regression
Annalisa Berzigotti
11:20–11:35 AM Break

Session II: Spontaneous vs. Drug-Promoted Regression of Portal Hypertension

11:35–11:50 AM Evidence for Regression of Portal Hypertension Following Disease-Specific Treatment
Ramon Bataller
11:50–12:05 PM Targeted Drug Therapy for Regression of Portal Hypertension: Is It Really Feasible?
Guadalupe Garcia-Tsao
12:05–12:25 PM Panel Discussion
12:25–12:30 PM Closing Remarks
AASLD/NASPGHAN Pediatric Symposium

**Friday, November 9**

Noon – 3:00 PM  Room 214/216

**Liver Disease in the Perinatal Period: Interactions Between Mother and Infant**

**SESSION CHAIRS:** Samar H. Ibrahim  Saeed Mohammad

2.75 CME Credits

This symposium will discuss a broad spectrum of liver diseases that originate in the perinatal period with a special emphasis on the interactions between the mother and the infant. The symposium will address advances made in the diagnosis of neonatal liver failure/dysfunction and the broadened differential. It will also discuss prenatal interventions to improve the outcome of newborns and infants at risk and will highlight the recent advances in postnatal therapies. Finally, the symposium will increase awareness of the developmental origin of NAFLD and available prenatal interventions.

Learning Objectives:

- Recognize the etiology, presentation, and outcomes of liver failure in early infancy
- Develop an understanding of the consequences for the offspring in mothers with acute fatty liver of pregnancy and cholestasis of pregnancy
- Recognize the diagnosis and management of genetic, mitochondrial and metabolic disorders presenting with neonatal liver dysfunction
- Review the diagnosis and management of maternally transmitted viral hepatitis in newborn
- Assess the implication of nonalcoholic fatty liver disease (NAFLD) in pregnancy and the role of the father on the development of NAFLD in infant-hood and recognize the prenatal interventions

12:00–12:05 PM  Welcome and Introductions
12:05–12:25 PM  Liver Failure in Early Infancy: Etiology, Presentation, and Outcomes  Shikha Sundaram
12:25–12:45 PM  Acute Fatty Liver of Pregnancy and Cholestasis of Pregnancy: Consequences for the Offspring  Jacqueline Wolf
12:45–1:05 PM  Genetic, Mitochondrial and Metabolic Disorders Presenting with Neonatal Liver Dysfunction  Nada A. Yazigi
1:05–1:25 PM  Panel Discussion
1:25–1:45 PM  Break
1:45–2:05 PM  Gestational Allo-Immune Liver Disease: Antenatal Prevention and Postnatal Management  Sarah A. Taylor
2:05–2:25 PM  Maternally Transmitted Viral Hepatitis in Newborn  Maureen M. Jonas
2:25–2:45 PM  Nonalcoholic Fatty Liver Disease in Pregnancy and Infanthood: Prenatal Intervention and Role of the Father  Jacob E. Friedman
2:45–3:00 PM  Panel Discussion

**Coffee Break**

**Friday, November 9**

1:30 PM – 2:30 PM  Hall A and the North Lower Lobby

*This break is generously supported by UPMC!*
Career Development Workshop

Friday, November 9
2:00 PM – 4:00 PM   Room 154/156

Career Development Workshop

SESSION CHAIRS:  Christopher L. Bowlus
                 Michelle Long

CME Not Offered

This workshop will look at various training pathways for a career in hepatology. It will also describe various career opportunities in research, practice, education and industry, providing an overview of the rewards and challenges for each of these, and identify sources for research funding for fellows and junior faculty members.

Learning Objectives:

- Describe the training pathways for a career in Hepatology
- Describe various career pathways and the rewards and challenges in each pathway
- Identify sources for research funding for fellows and junior faculty members

2:00–2:05 PM  Welcome and Introductions
2:05–2:20 PM  Fellowship Training in Hepatology
               Oren K. Fix
2:20–2:35 PM  Basic Science Careers in Hepatology
               Valentina Medici
2:35–2:50 PM  Clinical Investigator Careers in Hepatology
               Emily J. Rothbaum Perito
2:50–2:55 PM  AASLD Foundation Research Awards:
               Which One Is Right for You?
               Meena B. Bansal
2:55–3:05 PM  NIH and Non-NIH Funding Opportunities
               for the Young Hepatologist
               Kathleen E. Corey
3:05–3:20 PM  My Career As a Clinical Educator in Hepatology
               Lawrence S. Friedman
3:20–3:35 PM  Hepatology Careers in a Clinical Practice
               Mark W. Russo
3:35–3:50 PM  Hepatology Careers in Industry
               Robert P. Myers
3:50–4:00 PM  Panel Discussion
FRIDAY NOVEMBER 9

2:00 PM – 4:00 PM Room 24/25

From Pathogenesis to Personalized Medicine

SESSION CHAIRS: Wajahat Z Mehal
Leon A. Adams

Nonalcoholic Fatty Liver Disease SIG

1.75 CME Credits

This program will detail recent advances in the understanding of genetic and epigenetic alterations that influence NAFLD and its progression. It will emphasize their impact on the natural history of NAFLD and variability in clinical outcomes. Details on how patient based epigenetic association studies have led to novel insights into disease pathogenesis will be outlined with an emphasis on how this may translate to new therapeutics. Finally, the role of genetics and epigenetics in the evaluation of the patient in the clinic will be addressed – with particular reference to diagnosis, prognosis and therapeutics.

Learning Objectives:

● Conduct a rigorous diagnostic evaluation of liver injury, resulting in a high degree of confidence that one or more herbal and/or dietary supplements is(are) the cause

● Outline an approach to the forensic evaluation of herbal and dietary supplement induced liver injury that includes the engagement of public health and federal regulatory authorities

● Understand the utility and limitations of chemical supplement analysis in the determination of causation; the presenters will highlight green tea extract, a commonly used ingredient for which there is ample evidence for hepatotoxicity, as an example

● Propose a research approach to develop a safer supplement market that will merge clinical observations with chemical analysis of products, and toxicological methods
SIG Programming

**Friday, November 9**

**Defining the Future**

**Room 153/155**

2:00 PM – 4:00 PM

**Hepatotoxicity SIG**

* SESSION CHAIRS: Victor J. Navarro, Adrian Reuben *

**2.00 CME Credits**

This program will focus on liver injury due to herbal and dietary supplements. The program will begin with a description of a real-world case of liver injury due to OxyElite Pro, which highlights the challenges faced by diagnosticians and researchers in establishing causation for hepatotoxicity due to herbal and dietary supplements. The program will also review the role of the FDA, CDC and chemists, including scientists with the National Center for Natural Products Research, at the University of Mississippi, who perform product chemical analyses.

Learning Objectives:

- Conduct a rigorous diagnostic evaluation of liver injury, resulting in a high degree of confidence that one or more herbal and/or dietary supplements is (are) the cause
- Outline an approach to the forensic evaluation of herbal and dietary supplement induced liver injury that includes the engagement of public health and federal regulatory authorities
- Understand the utility and limitations of chemical supplement analysis in the determination of causation; the presenters will highlight green tea extract, a commonly used ingredient for which there is ample evidence for hepatotoxicity, as an example
- Propose a research approach to develop a safer supplement market that will merge clinical observations with chemical analysis of products, and toxicological methods

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<tr>
<td>2:00–2:05 PM</td>
<td>Welcome and Introductions</td>
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<tr>
<td>2:05–2:25 PM</td>
<td>Liver Injury from Herbal and Dietary Supplements: Introduction</td>
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<tr>
<td></td>
<td>Victor J. Navarro</td>
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<td>2:25–2:40 PM</td>
<td>The Landscape of Liver Injury from Herbal and Dietary Supplements in Europe, Latin America, and Asia</td>
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<td>Raul J. Andrade</td>
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<td>2:40–2:55 PM</td>
<td>Case Presentation</td>
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<td>Robert J. Fontana</td>
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<td>2:55–3:10 PM</td>
<td>Chemical Analysis As a Tool for Causality Assessment</td>
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<td>Ikhlas Khan</td>
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<td>3:10–3:25 PM</td>
<td>Dietary Supplement Adverse Event Detection and Surveillance</td>
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<td>Melissa Viray</td>
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<td>3:25–3:40 PM</td>
<td>Regulatory Response to Adverse Events from Dietary Supplements</td>
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<td>Monique Salter</td>
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<td>3:40–3:55 PM</td>
<td>Panel Discussion</td>
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<td>3:55–4:00 PM</td>
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**Friday, November 9**

**The Role of Infection in the Development of ACLF**

**Room 157/160**

4:15 PM – 6:15 PM

**Acute on Chronic Liver Failure SIG**

* SESSION CHAIRS: Hugo E. Vargas, Puneeta Tandon *

**2.00 CME Credits**

Bacterial infections are common in patients with advanced cirrhosis — partly related to altered microbiota, partly related to increased bacterial translocation across the gut wall and partly related to compromised immune function of these patients. When bacterial infection occurs, the heightened inflammatory reaction that follows predisposes these patients to altered hemodynamics and direct tissue damage. Therefore, these patients are prone to develop organ failure and ACLF when bacterial infection occurs. This program will discuss recent findings on how altered microbiota and inflammation are involved in the pathogenesis of organ failure and ACLF in cirrhosis. Approach to treatment of various organ failures as well as preventive measures will be discussed.

Learning Objectives:

- To understand the mechanisms whereby bacterial infections can cause ACLF
- To understand the role of inflammation in the pathogenesis of organ failures with bacterial infections in cirrhosis
- To learn about the approach to treatment of various organ failures in ACLF
- To learn about the benefits versus potential harms in providing prophylactic treatment

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<tr>
<td>4:15–4:20 PM</td>
<td>Welcome and Introductions</td>
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<td>4:20–4:40 PM</td>
<td>Altered Microbiota in Cirrhosis and Its Relationship to the Development of Infection</td>
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<td>Jasmohan S. Bajaj</td>
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<td>4:40–5:00 PM</td>
<td>Pathogenesis of ACLF in Patients with Infection</td>
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<td>Gyongyi Szabo</td>
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<td>5:00–5:20 PM</td>
<td>Regional Differences in the Prevalence and Types of Infections in Cirrhosis</td>
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<td>Salvatore Piano</td>
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<td>5:20–5:40 PM</td>
<td>Clinical Consequences of Infection: Organ Failures and ACLF</td>
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<td>Florence Wong</td>
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<td>5:40–6:00 PM</td>
<td>Prophylactic Antibiotics in Cirrhosis: Are They Preventing or Promoting Infections?</td>
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<td>Guadalupe Garcia-Tsao</td>
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<td>6:00–6:10 PM</td>
<td>Panel Discussion</td>
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<td>6:10–6:15 PM</td>
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Friday, November 9

4:15 PM – 6:15 PM Room 22/23

Organelle Trafficking and Lipid Droplets Biology

SESSION CHAIRS: Natalia Nieto
Yasuko Iwakiri

MODERATORS: Steven A. Weinman

Liver Cell Biology in Hepatic Diseases SIG

2.00 CME Credits

This program will discuss different, yet related, basic molecular mechanisms of hepatic damage and inflammation fundamental for the development of various types of liver diseases. Discussions will cover the mechanisms for vesicle formation and endocytosis, how secretion of exosomes occurs upon inflammasome activation, the impact of immune cell-derived vesicles on fibrosis and the process of collagen secretion. The second part of the program will focus on novel signaling pathways involved in disease resolution.

This program will provide an excellent opportunity to learn the basic molecular mechanisms of hepatic damage and inflammation fundamental for the development of various types of liver diseases.

Learning Objectives:

- Better understand the mechanisms for organelle trafficking in liver disease
- Develop new knowledge of signaling pathways that contribute to the pathophysiology of liver disease and its resolution

4:15–4:30 PM Membrane Trafficking in Lipid Droplet-Mitochondrial Dynamics
Mark A. McNiven

4:30–4:45 PM Mechanisms Linking Inflammasome Activation to Exosomal Cargo Loading and Secretion
Ann Wozniak

4:45–5:00 PM Immune Cell Extracellular Vesicles and Portal Tract Fibrosis
Yasuko Iwakiri

4:15–4:30 PM Membrane Trafficking in Lipid Droplet-Mitochondrial Dynamics
Mark A. McNiven

4:30–4:45 PM Mechanisms Linking Inflammasome Activation to Exosomal Cargo Loading and Secretion
Ann Wozniak

4:45–5:00 PM Immune Cell Extracellular Vesicles and Portal Tract Fibrosis
Yasuko Iwakiri

5:00–5:15 PM Panel Discussion

5:15–5:30 PM Functional Role of De Novo Lipogenesis in Oncogene Induced Hepatocarcinogenesis
Xin Chen

5:30–5:45 PM Altered Lipoprotein Metabolism in Nonalcoholic and Alcoholic Fatty Liver Diseases
Z. Gordon Jiang

5:45–6:00 PM Apolipoprotein (apo) A-V Deficiency Leads to Spontaneous Development of Nonalcoholic Fatty Liver Disease (NAFLD) and Nonalcoholic Steatohepatitis (NASH) in Chow-Fed Mice
David Q. Wang

6:00–6:15 PM Panel Discussion
The Academic Debates give all participants – debaters, judges and the audience – an opportunity to engage in the session. The Debates will challenge transplant hepatology trainees and practicing hepatologists to think critically about important and controversial issues in hepatology. Debaters will learn the skill of balanced argument (i.e., factually examining the pros and cons of the issue). Debaters, judges and the audience will be required to consider the scientific, societal, individual and financial sides to each of the important clinical issues to be debated.

Learning Objectives:

- Discuss current controversies in hepatology and demonstrate how to critically analyze a topic presenting cogent arguments on different viewpoints
- Improve decision making on relevant issues related to patient care through critical thinking

Welcome and Introductions
4:30–4:40 PM
Debate 1: Biopsy vs. Noninvasive Assessment of NASH PRO: This Patient Should Have a Liver Biopsy
Institution: University of Pittsburgh Medical Center
Matthew Klinge, Akshata Moghe
4:40–5:05 PM
Debate 1: Biopsy vs. Noninvasive Assessment of NASH CON: This Patient Should Have a Noninvasive Assessment of Liver Staging
Institution: Albert Einstein Healthcare Network
Deepanshu Jain, Rohit Nathan
5:05–5:30 PM
Debate 2: Liver Transplantation for Elderly Patients PRO: This Patient Should be Offered Liver Transplantation
Institution: Yale University
Lamia Haque, Chiara Saroli Palumbo
5:30–5:55 PM
Debate 2: Liver Transplantation for Elderly Patients CON: This Patient Should Not be Offered Liver Transplantation
Institution: University of Colorado School of Medicine
Avash Kalra, Prashanth Francis
5:55–6:20 PM
Presentation of Winners and Wrap Up
6:20–6:30 PM
## Early Morning Workshop - Saturday (Basic)

Saturday, November 10  
6:30 AM – 7:30 AM  
**Early Morning Workshop - Saturday (Basic)**

Refer to your workshop ticket for meeting room location.

CME Not Offered

Kick-start your day in these highly interactive sessions focusing on a specialized area of liver disease or investigation. Take advantage of this opportunity to network with experts and your peers in a small group setting.

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<th>Time</th>
<th>Session</th>
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| 6:30–7:30 AM | EMW 01: Inflammation in Portal Hypertension: Macrophages and Kupffer Cells  
Frank Tacke, Jordi Gracia-Sancho |
| 6:30–7:30 AM | EMW 02: Stem Cells in Liver Disease  
Laurie D. DeLeve, Robert E. Schwartz |
| 6:30–7:30 AM | EMW 03: CRISPR Therapy for Liver Diseases  
Karl-Dimiter Bissig, Clifford J. Steer |
| 6:30–7:30 AM | EMW 04: NASH: Basic Mechanisms and Targets  
Julia J. Wattacheril, Harmeet Malhi |
| 6:30–7:30 AM | EMW 05: Ductular Reaction and Senescence: Chicken or the Egg?  
Mario Strazzabosco, James H. Tabibian |
| 6:30–7:30 AM | EMW 06: MicroRNA in Diagnosis and Treatment of Liver Disease  
Laura E. Nagy, Emmanuel Thomas |
| 6:30–7:30 AM | EMW 07: Hepatitis C in Decompensated Cirrhosis: Treatment Before or After Liver Transplantation  
Michael R. Charlton, David Eric Bernstein |
| 6:30–7:30 AM | EMW 08: Assessing Frailty and Sarcopenia in Cirrhosis  
Jennifer Cindy Lai, Elizabeth J. Carey |
| 6:30–7:30 AM | EMW 09: ICU Management of Patients with Cirrhosis  
Constantine J. Karvellas, Jody C. Olson |
| 6:30–7:30 AM | EMW 10: Management of Drug Interactions for Medications Commonly Prescribed in Chronic Liver Disease  
David Back, Jennifer Justice Kiser |
| 6:30–7:30 AM | EMW 11: Novel Treatments for Primary Biliary Cholestasis  
Cynthia Levy, Olivier Barbier |
| 6:30–7:30 AM | EMW 12: Utilization of HCV+ Organs in HCV- Patients  
David S. Goldberg, Paul Martin |
| 6:30–7:30 AM | EMW 13: Current and Future Treatments for Alcoholic Hepatitis  
Craig J. McClain, Mark Richard Thursz |
| 6:30–7:30 AM | EMW 14: Mitigation of Long-Term Adverse Events in Liver Transplantation  
Michael P. Curry, KV Narayanan Menon |
| 6:30–7:30 AM | EMW 15: Pathogenesis and Interventions in Pediatric NAFLD  
Miriam B. Vos, Stavra Xanthakos |
| 6:30–7:30 AM | EMW 16: Mitochondrial Hepatopathies  
Alexander G. Miethke, James E. Squires |

---

## Early Morning Workshop - Saturday (Clinical)

Saturday, November 10  
6:30 AM – 7:30 AM  
**Early Morning Workshop - Saturday (Clinical)**

Refer to your workshop ticket for meeting room location.

CME Not Offered

Kick-start your day in these highly interactive sessions focusing on a specialized area of liver disease or investigation. Take advantage of this opportunity to network with experts and your peers in a small group setting.

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 6:30–7:30 AM | EMW 07: Hepatitis C in Decompensated Cirrhosis: Treatment Before or After Liver Transplantation  
Michael R. Charlton, David Eric Bernstein |
| 6:30–7:30 AM | EMW 08: Assessing Frailty and Sarcopenia in Cirrhosis  
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Miriam B. Vos, Stavra Xanthakos |
| 6:30–7:30 AM | EMW 16: Mitochondrial Hepatopathies  
Alexander G. Miethke, James E. Squires |
### A Hectic Day for a Hepatology Consultant

**SESSION CHAIRS:** Michael W Fried  
Cynthia Levy  
Tse-Ling Fong

**MODERATORS:** Naga P Chalasani  
Rohit Loomba  
Guadalupe Garcia-Tsao  
Oren K. Fix  
Laura M. Kulik  
K Rajender Reddy  
Robert S. Brown  
Estella M. Alonso

6.75 CME Credits / 6.75 ABIM MOC Points / 6.00 ABP MOC Points / 6.75 Contact Hours (*includes 6.75 Pharmacology Hours)

The practice of hepatology is consultative in nature, whether evaluating outpatients referred for abnormal liver enzyme findings or diagnosing and managing critically-ill patients within a team of internists, hospitalists, residents, intensivists and other healthcare providers. On any given day, a hepatologist will be confronted with complex patients and dizzying differential diagnoses to be methodically considered. The aim of this course is to provide insights about state-of-the-art consultative hepatology that attendees can apply to daily practice.

**Learning Objectives:**
- Differentiate presentations of complex liver diseases across different patient populations
- Apply best practices to diagnose and manage inpatients and outpatients with complex liver disease
- Communicate therapeutic recommendations to multiple healthcare providers encompassing the extended care team

<table>
<thead>
<tr>
<th>Session I: Morning Routine</th>
<th>8:00–8:10 AM</th>
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<tbody>
<tr>
<td>A Hectic Day in the Life of a Hepatology Consultant: Welcome/Qualities of a Valued Consultant</td>
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<tr>
<th>8:10–8:30 AM</th>
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| Abnormal Liver Enzymes in a Patient with Diabetes  
Alfred Sidney Barritt IV |

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<th>8:30–8:50 AM</th>
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| Hepatitis C in a 23-year-old Who Injects Drugs  
Michael P. Manns |

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<th>8:50–9:10 AM</th>
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| Abnormal Liver Enzymes and Recurrent UTI in a 67-year-old Woman  
Heiner Wedemeyer |

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<tr>
<th>Session II: Rounds in the MICU</th>
<th>9:10–9:30 AM</th>
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| HBV/HCV Coinfection in a Pregnant Woman  
Mandana Khalili |

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<th>9:30–9:50 AM</th>
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<tbody>
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<td>Break</td>
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<tr>
<th>9:50–10:10 AM</th>
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</table>
| Fever and Elevated Liver Enzymes in a Liver Transplant Recipient  
Kimberly Watt |

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<tr>
<th>10:10–10:30 AM</th>
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| Massive GI Bleeding in a Patient with Cirrhosis: What’s New?  
Andres Cardenas |

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<th>10:30–10:50 AM</th>
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| Altered Mental Status in a Patient with Refractory Ascites  
Steven L. Flamm |

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<th>10:50–11:10 AM</th>
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| Acute Liver Failure in a 26-year-old Woman  
Rajiv Jalan |

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<th>11:10–11:30 AM</th>
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| Jaundice and Renal Failure in a Patient with Alcoholic Cirrhosis  
Vijay Shah |

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<th>11:30–11:40 AM</th>
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<tr>
<th>11:40 AM–1:05 PM</th>
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<tbody>
<tr>
<td>Intermission: Meet-the-Professor Luncheons</td>
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<tr>
<th>Session III: Meanwhile, Back in the Office...</th>
<th>1:05–1:25 PM</th>
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</table>
| Cholestatic Liver Abnormalities in a 52-year-old African American Woman  
Christopher L. Bowlus |

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<th>1:25–1:45 PM</th>
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| Multiple Liver Masses in a 42-year-old Woman  
Paul Yien Kwo |

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<th>1:45–2:05 PM</th>
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| A 1.9 Cm HCC in a Patient with HCV Cirrhosis  
Lewis R. Roberts |

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<th>2:05–2:25 PM</th>
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| “My Brother Was Just Told He Had Too Much Iron in His Blood”  
Paul C. Adams |

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<th>2:25–2:45 PM</th>
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| A Patient with Crohn’s Disease and HBcAb+  
Mindie H. Nguyen |

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<th>2:45–3:05 PM</th>
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<td>Break</td>
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<thead>
<tr>
<th>Session IV: Exploring Other Units at Dusk</th>
<th>3:05–3:25 PM</th>
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</table>
| Hyperbilirubinemia in Labor and Delivery  
Nancy Reau |

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<tr>
<th>3:25–3:45 PM</th>
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| Hyperbilirubinemia in a Patient after Bone Marrow Transplant  
Keyur Patel |

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<tr>
<th>3:45–4:05 PM</th>
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| A 60-year-old in CCU with Jaundice  
Michael B. Fallon |

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<tr>
<th>4:05–4:25 PM</th>
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</table>
| A 14-year-old Child S/P Fontan Procedure with Liver Abnormalities  
Elizabeth Rand |

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<th>4:25–4:45 PM</th>
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| Acute Right Upper Quadrant Pain in a Patient with Cirrhosis  
Patrick S Kamath |

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<tr>
<th>4:45–5:00 PM</th>
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<tbody>
<tr>
<td>Wrap Up</td>
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</table>
Basic Science Symposium

Saturday, November 10

8:00 AM – 5:00 PM
Room 24/25

Matrix Biology and the Liver: Beyond Collagen and Fibrosis

SESSION CHAIRS: Gavin E Arteel
Rebecca G. Wells

MODERATORS: David A. Brenner
James P. Luyendyk
Harmeet Malhi
Scott L. Friedman
Vijay Shah
Tatiana Kisseleva
Don C. Rockey
Yasuko Iwakiri

7.00 CME Credits

Basic science and clinical practice intersect in this innovative look at the extracellular matrix (ECM). The ECM consists of a diverse range of components that work bi-directionally with surrounding cells to create a dynamic and responsive microenvironment. In some contexts (e.g., hepatic fibrosis), changes to the ECM are well-recognized and understood. However, it is becoming increasingly clear that the hepatic ECM responds dynamically to stress well before fibrosis. Despite this new knowledge, this topic has not been addressed recently. This symposium will bring basic researchers who study ECM in both non-hepatic and liver models together with clinical investigators to focus on new areas of study and promote the use of ECM-directed therapies in human liver disease.

Learning Objectives:

● Recognize the diverse and dynamic nature of the hepatic extracellular matrix (ECM) and how it communicates bidirectionally with the hepatic environment

● Recall factors that influence the ECM, both quantitatively and qualitatively

● Identify new avenues of therapy and research for ECM in liver diseases

8:00–8:10 AM Welcome and Introductions

Session I: What Is the Matrix of the Liver and Who Makes It?

8:10–8:40 AM Keynote: Matrisome – Definition and Methods
Alexandra Naba

8:40–9:00 AM Acute Phase Glycoproteins (Including Liver Matrisome)
Gavin E Arteel

9:00–9:20 AM Heterogeneity in Matrix-Producing Cells
Dean Sheppard

9:20–9:50 AM Keynote: Collagens of the Liver – A Big Family With Different Functions
Detlef Schuppan

9:50–10:05 AM Panel Discussion

10:05–10:25 AM Break

Session II: 3D Structure of the Matrix: Microscale

10:25–10:55 AM Keynote: Synthetic Matrices and Their Uses
Andres Garcia

10:55–11:15 AM Hyaluronic Acid in the Liver
Michele Teresa Pritchard

11:15–11:35 AM Proteoglycans and Their Role in Regulating ECM Structure and Function
Liliana Schaefer

11:35–11:55 AM Matrix Crosslinking and Structure
Yury Popov

11:55 AM–12:10 PM Panel Discussion

12:10–1:30 PM Intermission: Meet-the-Professor Luncheons

Session III: 3D Structure of the Matrix: Macroscale

1:30–2:00 PM Keynote: Mechanobiology of Tissues
Val Weaver

2:00–2:20 PM The Matrix of the Interstitial Spaces of the Liver and Ducts
Rebecca G. Wells

2:20–2:50 PM Keynote: New Tools to Study the Matrix
James Fitzpatrick

2:50–3:05 PM Panel Discussion

3:05–3:25 PM Break

Session IV: The Matrix in Disease: Therapeutic Implications

3:25–3:45 PM The Matrix as a Direct Therapeutic Target
Jonel Trebicka

3:45–4:05 PM ECM Microenvironment and Cancer
Robert F. Schwabe

4:05–4:25 PM Incorporating the ECM into New Models of the Liver
Robert E. Schwartz

4:25–4:50 PM Panel Discussion

4:50–5:00 PM Closing Remarks
# Meet-the-Professor Luncheon

**Saturday, November 10**

**11:40 AM – 1:05 PM**

**Meet-the-Professor Luncheons (Clinical)**

Refer to your luncheon ticket for meeting room location.

CME Not Offered

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>11:40 AM–1:05 PM</td>
<td>MTP 1: Acute Autoimmune Hepatitis: Steroids and Timing of Liver Transplant</td>
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<tr>
<td></td>
<td>Rodrigo Liberal, Marina G. Silveira</td>
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<tr>
<td>11:40 AM–1:05 PM</td>
<td>MTP 2: NAFLD: Realistic Approaches to Weight Loss and Issues in Bariatric Surgery</td>
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<tr>
<td></td>
<td>Michael R. Charlton, Jeanne Clark</td>
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<tr>
<td>11:40 AM–1:05 PM</td>
<td>MTP 3: PVT in Cirrhosis: Anticoagulation for All?</td>
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<td></td>
<td>Patrick Grant Northup, Tariq-Yacine Asselah</td>
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<tr>
<td>11:40 AM–1:05 PM</td>
<td>MTP 4: PSC in Children Vs Adults</td>
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<td></td>
<td>Mark Deneau, David N. Assis</td>
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<tr>
<td>11:40 AM–1:05 PM</td>
<td>MTP 5: Controversy in LT: LKT vs LT Alone</td>
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<td></td>
<td>Marina Berenguer, Kalyan Ram Bhamidimar</td>
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<tr>
<td>11:40 AM–1:05 PM</td>
<td>MTP 6: Managing DAA Failures in HCV</td>
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<td></td>
<td>Norah Terrault, Julio A. Gutierrez</td>
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<tr>
<td>11:40 AM–1:05 PM</td>
<td>MTP 7: Acute Kidney Injury in Cirrhotics: Culprits and Controversy</td>
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<td></td>
<td>Florence Wong, K. Gautham Reddy</td>
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<tr>
<td>11:40 AM–1:05 PM</td>
<td>MTP 8: Sarcopenia in Cirrhosis: Mitigating the Loss</td>
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<td>Jennifer Cindy Lai, Aldo J. Montano-Loza</td>
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<tr>
<td>11:40 AM–1:05 PM</td>
<td>MTP 9: Non-Invasive Assessment of Fibrosis: Are We There Yet?</td>
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<td>Richard K. Sterling, Daniel H. Leung</td>
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<tr>
<td>11:40 AM–1:05 PM</td>
<td>MTP 10: Challenges in Liver Transplantation and Living Donor Transplantation</td>
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<td></td>
<td>Andrew Paul Keaveny, Yuri Genyk</td>
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**Saturday, November 10**

**11:40 AM–1:05 PM**

<table>
<thead>
<tr>
<th>MTP 11: PBC: Identifying and Managing UDCA Non-Responders</th>
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<tbody>
<tr>
<td>Marlyn J. Mayo, Kris V. Kowdley</td>
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<td>11:40 AM–1:05 PM</td>
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<tr>
<td>Miriam B. Vos, Joel E. Lavine</td>
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<td>11:40 AM–1:05 PM</td>
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<td>Amit G. Singal, Adrian M Di Bisceglie</td>
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<td>11:40 AM–1:05 PM</td>
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<td>Jordan J. Feld, Kathleen B. Schwarz</td>
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<td>11:40 AM–1:05 PM</td>
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<td>Andrew I. Aronsohn, Theo Heller</td>
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<td>11:40 AM–1:05 PM</td>
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<tr>
<td>Adrian Reuben, KV Narayanan Menon</td>
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**Saturday, November 10**

**12:10 PM – 1:30 PM**

**Meet-the-Professor Luncheons (Basic)**

Refer to your luncheon ticket for meeting room location.

CME Not Offered

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>12:10–1:30 PM</td>
<td>MTP 17: Liver ECM and Inflammation</td>
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<tr>
<td></td>
<td>James P. Luyendyk, Frank Tacke</td>
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<tr>
<td>12:10–1:30 PM</td>
<td>MTP 18: Matrix Receptors in the Liver</td>
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<td>Vijay Shah, Detlef Schuppan</td>
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<tr>
<td>12:10–1:30 PM</td>
<td>MTP 19: Matrix and the Bile Ducts in Malignant and Non-Malignant Disease</td>
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<td></td>
<td>Luca Fabris, Gregory J. Gores</td>
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<tr>
<td>12:10–1:30 PM</td>
<td>MTP 20: Targeting the Matrix Therapeutically</td>
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<td></td>
<td>Massimo Pinzani, Scott L. Friedman</td>
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<tr>
<td>12:10–1:30 PM</td>
<td>MTP 21: Fibrogenic Cells of the Liver</td>
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<td></td>
<td>Tatiana Kisseleva, Chantal Housset</td>
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</table>
**Saturday, November 10**

9:00 AM – 3:30 PM  
Room 157/160  
**Combined Organ Transplants**

**SESSION CHAIRS:**  
James F. Trotter  
John C Magee  
Timucin Taner

Liver Transplantation and Surgery SIG and Liver  
Transplantation and Surgery Committee

5.25 CME Credits / 5.25 ABIM MOC Points

This program will review the current status of liver transplantation in the setting of combined organ transplants (i.e., liver/intestine/multivisceral, liver/kidney, liver/heart and liver/lung transplantation). Indications, pathophysiology, operative management, post-transplant care and outcomes will be discussed in the context of specific extra-hepatic organ dysfunction and combined organ transplantation. The session will also address the immunologic, ethical, financial and operational issues associated with multi-organ transplant as well as integration of these combined organ transplants in the overall liver allocation framework.

Learning Objectives:

- Describe the current indications and underlying pathophysiology for patients faced with potential simultaneous liver and extra-hepatic transplantation
- Discuss operative decision making and peri-operative management for patients in the context of liver and extra-hepatic transplants
- Apply the knowledge and perspectives gained to optimize patient outcomes in the setting of inter-disciplinary health care delivery

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<tr>
<th>Time</th>
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<tr>
<td>9:00–9:05 AM</td>
<td>Welcome and Introductions</td>
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<tr>
<td>9:05–9:30 AM</td>
<td><strong>Session I: Liver Lung/Intestine/Multivisceral</strong></td>
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</tbody>
</table>
| 9:05–9:30 AM  | Liver Lung Perspective: Indications, Patient Selection and Allocation Policy  
Stuart Sweet |
| 9:30–9:45 AM  | Panel Discussion                                                      |
| 9:45–10:15 AM | Liver Intestine/Multivisceral Perspective: Indications, Patient Selection and Allocation Policy  
Richard Mangus |
| 10:15–10:25 AM| Panel Discussion                                                      |
| 10:25–10:55 AM| **Session II: Liver Kidney**                                         |
| 10:25–10:55 AM| Indications, Patient Selection and Allocation Policy                  |
| 10:55–11:15 AM| Long Term Management (Steroid Withdrawal and Safety Net Patients)    |
| 11:15–11:30 AM| Panel Discussion                                                      |
| 11:30 AM–12:45 PM | Intermission                                                          |
| 12:45–1:10 PM | **Session III: Liver Heart**                                         |
| 12:45–1:10 PM | Congenital Heart Disease and the Liver                                |
| 1:10–1:35 PM  | Indications, Patient Selection and Allocation Policy                  |
| 1:35–1:45 PM  | Panel Discussion                                                      |
| 1:45–2:15 PM  | **Session IV: Putting It All Together**                               |
| 1:45–2:15 PM  | Does the Liver Provide Immunosuppressive Advantage                   |
| 2:15–2:45 PM  | Allocation/Prioritizing All the "Other Organs"                        |
| 2:45–3:15 PM  | Impact on Transplant Center – Costs and Outcomes                      |
| 3:15–3:25 PM  | Panel Discussion                                                      |
| 3:25–3:30 PM  | Closing Remarks                                                       |
Poster Session II

**Saturday, November 10**
2:00 PM – 7:30 PM    Hall C - Poster Hall

*Refer to page 168A for Poster Session II Presentations*

Presenters in Attendance
5:30 – 7:30 PM

Exhibit Hall Opening and Reception

**Saturday, November 10**
5:00 PM – 7:30 PM    Hall B - Exhibit Hall

AASLD Business Meeting (Members Only)

**Saturday, November 10**
5:15 PM – 6:15 PM    Hall D - General Session

**PRESENTER:** Ronald J. Sokol
Early Morning Workshop - Sunday (Basic)

Sunday, November 11
6:30 AM – 7:30 AM

Early Morning Workshop - Sunday (Clinical)

Sunday, November 11
6:30 AM – 7:30 AM

Kick-start your day in these highly interactive sessions focusing on a specialized area of liver disease or investigation. Take advantage of this opportunity to network with experts and your peers in a small group setting.

CME Not Offered

Kick-start your day in these highly interactive sessions focusing on a specialized area of liver disease or investigation. Take advantage of this opportunity to network with experts and your peers in a small group setting.

CME Not Offered

6:30–7:30 AM EMW 17: Microbiome and Liver Disease
Tom H. Karlsen, Bernd Schnabl

6:30–7:30 AM EMW 18: Organelle Trafficking and Liver Disease
Yasuko Iwakiri, Carol A. Casey

6:30–7:30 AM EMW 19: Inflammasome and Liver Disease
Gyongyi Szabo, Ariel E. Feldstein

6:30–7:30 AM EMW 20: Mechanisms of Alcohol-Induced Liver Injury and Targets for New Therapies
Ramon Bataller, Gavin E Arteel

6:30–7:30 AM EMW 21: Review of AASLD Hepatitis B Treatment Guidelines
Maureen M. Jonas, Marc G. Ghany

6:30–7:30 AM EMW 22: Liver Fibrosis and Stellate Cell Biology
Meena B. Bansal, Alan C. Mullen

6:30–7:30 AM EMW 23: Hepatitis C Controversies: Risks of Liver Cancer
Massimo Colombo, Fasiha Kanwal

6:30–7:30 AM EMW 24: Curative Therapy for Hepatitis B
Robert G. Gish, Tariq-Yacine Asselah

6:30–7:30 AM EMW 25: Vascular Thrombosis and Managing Coagulation Disorders in Cirrhosis
Patrick Grant Northup, Alex Befeler

6:30–7:30 AM EMW 26: Systemic and Immunotherapies for Liver Cancer
Laura M. Kulik, Roniel Cabrera

6:30–7:30 AM EMW 27: New Insights in Pathogenesis and Management of PSC
Cara Lynn Mack, Elizabeth J. Carey

6:30–7:30 AM EMW 28: Personalized Therapies for Pediatric Cholestatic Liver Diseases
Richard J. Thompson, Saul J. Karpen

6:30–7:30 AM EMW 29: Non-Invasive Assessments of Liver Fibrosis
Joseph K. Lim, Richard K. Sterling

6:30–7:30 AM EMW 30: Management of AKI in Patients with Cirrhosis
Mitra K. Nadim, Ayse Leyla Mindikoglu

6:30–7:30 AM EMW 31: New Donor Allocation Polices: Too Much or Not Enough?
Hugo E. Vargas, Susan L. Orloff

6:30–7:30 AM EMW 32: Controversies in Cannabis
Amanda J. Chaney, Vicki Shah, Norah Terrault
Plenary Session

Transplant Plenary I
Sunday, November 11
8:00 AM – 9:30 AM  Hall D - General Session
MODERATORS:  Kimberly Ann Brown
               John C Magee

8:00 AM

8:15 AM
2: Pharmacological Defatting of Steatotic Human Donor Livers during Ex Situ Normothermic Machine Perfusion

8:30 AM
3: Exploring the Structural and Functional Effects of Normothermic Machine Perfusion and De-Fatting Interventions on Human Steatotic Livers
Carlo Ceresa, David Nasralla, Thomas Cornfield, Anne Clark, Philippa Hook, Liam Young, Constantin Coussios, Leanne Hodson and Peter J. Friend

8:45 AM
4: Widespread Obesity and the Future of Liver Transplantation: Macrosteatotic Liver Allografts Lead to Significantly Worse Outcomes in Obese Recipients
Patrick Grant Northup, Nicolas M. Intagliata, Jessica Davis, Curtis K. Argo and Shawn J. Pelletier

9:00 AM
5: Prioritizing Status 1 and Pediatric Candidates for Pediatric Deceased Donor Livers through Increased National Sharing
Douglas Mogul, Emily J. Rothbaum Perito, Evelyn K. Hsu, George V. Mazariegos, Douglas Vanderwerken and Sommer Gentry

9:15 AM
6: A Longitudinal Cohort Study on Health Related Quality of Life and Cognitive Functioning in Pediatric Liver Transplant Recipients during a 10 Year Time Span
Daniella Ohnemus, Katie Neighbors, Robert S Venick, John C. Bucuvalas, Shikha Sundaram, Vicky Lee Ng, Walter Andrews, Yumirle Padron Turmelle, George V. Mazariegos, Lisa Sorensen and Estella M. Alonso
Chronic HBV infection follows a dynamic course with multiple phases of disease with various durations. ALT flares during chronic HBV infection can be challenging for clinicians to manage. In some settings ALT flares herald a transition from active to inactive disease and thus may be beneficial. In other scenarios, they may indicate aggressive inflammatory liver disease that can lead to progressive liver injury or even fulminant hepatic failure. Understanding and distinguishing these “good” and “bad” flares is not only a clinical challenge but a key to understanding the natural history and the therapeutic goals of HBV treatment. The program starts with a definition of flares and the current understanding of their immunological pathophysiology. Flares in different clinical settings will also be discussed (focusing on their beneficial and potentially harmful effects). Finally, attendees will hear about management strategies for ATL flares.

Learning Objectives:
- Appreciate how ALT flares during chronic HBV are defined and have an appreciation of their pathophysiology
- Recognize scenarios in which ALT flares can be beneficial and those in which they may be harmful
- Understand management strategies for dealing with ALT flares in different clinical scenarios during the natural history of chronic HBV infection

**Session I: The Basics of Flares**

8:05–8:20 AM Prevalence and Definitions of HBV Flares in the Natural History of Chronic Infection
Marc G. Ghany

8:20–8:35 AM Immunology of HBV Flares
Kyong-Mi Chang

8:35–8:50 AM Treatment-Related Flares
Henry Lik Yuen Chan

8:50–9:00 AM Panel Discussion

**Session II: Flares in Special Situations**

9:00–9:15 AM Treatment Withdrawal Flares
Harry L. A. Janssen

9:15–9:30 AM Reactivation Flares
Anna S. Lok

9:30–9:45 AM Pregnancy-Related Flares
Kumar Visvanathan

9:45–10:00 AM Panel Discussion
Basic Research Workshop

**Sunday, November 11**

8:00 AM – Noon  Room 22/23

**Emerging Role of Novel Cell Death Pathways and Mediators in Liver Disease**

**SESSION CHAIRS:** Neil Kaplowitz  
Wen-Xing Ding

**MODERATORS:** Laura E. Nagy  
Feng Shao

3.75 CME Credits

This workshop will aim to summarize the newly developed tools, animal models and molecular targets in cell death in liver diseases. The varied cell death pathways (apoptosis and non-apoptosis, including necroptosis and pyroptosis) are closely related to alcoholic and non-alcoholic fatty liver disease, bile acids/cholestasis, viral hepatitis and drug-induced liver injury. Many of the cell death markers can also be detected in the blood samples of patients with drug-induced liver injury, viral hepatitis, NAFLD or NASH. Attendees of the workshop should leave with a detailed set of information regarding cell death in liver diseases, which will be beneficial for clinicians and basic scientists.

**Learning Objectives:**

- Identify cutting-edge approaches and animal models to assess cell death in vivo and in vitro
- Understand the emerging role of none-apoptotic cell death in liver physiology and pathology
- Recognize molecular targets and their detection in cell death in the liver

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<thead>
<tr>
<th>Time</th>
<th>Session I: Methods and Mechanisms of Non-Apoptotic Cell Death</th>
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<tbody>
<tr>
<td>8:00–8:05 AM</td>
<td>Welcome and Introductions</td>
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<tr>
<td>8:05–8:30 AM</td>
<td>Animal Models of Necroptosis Reveals Its Critical Role in Development and Immunity</td>
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<td>8:35–9:00 AM</td>
<td>Pharmacological Targets of Necroptosis</td>
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<td>9:05–9:30 AM</td>
<td>Mechanisms and Pathophysiological Relevance of Pyroptosis</td>
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<td>9:30–9:35 AM</td>
<td>Panel Discussion</td>
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<tr>
<td>9:35–9:55 AM</td>
<td>Animal Tools and Markers to Monitor Mitochondrial Turnover and Biogenesis in Drug-Induced Necrosis and Liver Injury</td>
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<td>9:55–10:00 AM</td>
<td>Panel Discussion</td>
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<td>10:00–10:15 AM</td>
<td>Break</td>
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**Session II: Non-Apoptotic Cell Death in Liver Disease**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session II: Non-Apoptotic Cell Death in Liver Disease</th>
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<tbody>
<tr>
<td>10:15–10:35 AM</td>
<td>Necroptosis in NAFLD, Glucose Tolerance and Liver Tumorigenesis</td>
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<td>10:35–10:40 AM</td>
<td>Panel Discussion</td>
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<td>10:40–11:00 AM</td>
<td>Apoptotic and Necroptotic Cell Death Model in Alcoholic and Non-Alcoholic Fatty Liver Disease</td>
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<td>11:00–11:05 AM</td>
<td>Panel Discussion</td>
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<td>11:05–11:25 AM</td>
<td>Approaches in Studying NLRP3 Inflammasome and Pyroptosis in Liver Fibrosis and Injury</td>
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<td>11:25–11:30 AM</td>
<td>Panel Discussion</td>
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<td>11:30–11:50 AM</td>
<td>Approaches to Modulate SAB in Mitochondrial Damage and Acute and Chronic Liver Injury</td>
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<td>11:50 AM–12:00 PM</td>
<td>Panel Discussion</td>
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Hepatology Associates Course

Sunday, November 11
8:00 AM – Noon Room 153/155

Hepatology Associates Course

SESSION CHAIRS: Cheryl Dale Andrea A. Gossard
MODERATORS: Jeffrey P. McMahon Amanda J. Chaney

3.75 CME Credits / 3.75 Contact Hours (*includes 3.00 Pharmacology Hours)

This half-day program provides an overview of both current and emerging therapies for common liver diseases. Additionally, it will enhance knowledge around diagnostics and highlight the roles of collaborating professionals.

Learning Objectives:

● Have a better understanding of diagnosing and differentiation of liver lesions based upon diagnostic imaging criteria
● Discuss the role of microbiota in liver disease
● Understand the role of non-conventional therapeutic use in the management of liver disease

Session I
8:00–8:05 AM Welcome and Introductions
8:05–8:25 AM Liver Radiology 101 Mustafa Bashir
8:25–8:45 AM Emerging Therapeutics and Management of Cholestatic Liver Disease John E. Eaton
8:45–9:00 AM Panel Discussion
9:00–9:20 AM HCV – What We Have Learned Post SVR? Anne Croghan
9:20–9:40 AM Hepatic Encephalopathy (Includes Patient and Outpatient) Robert S. Rahimi
9:40–9:55 AM Panel Discussion
9:55–10:10 AM Break

Session II
10:10–10:30 AM Pediatric Liver Transplantation: Transitions of Care Jody Weckwerth
10:30–10:50 AM Evolving Role of Liver Biopsy Romil Saxena
10:50–11:05 AM Panel Discussion
11:05–11:25 AM Non-Conventional Approaches to Management of Liver Disease Robert J. Fontana
11:25–11:45 AM Microbiota in Liver Disease Jasmohan S. Bajaj
11:45 AM–12:00 PM Panel Discussion

Poster Session III

Sunday, November 11
8:00 AM – 5:30 PM Hall C - Poster Hall

Refer to page 197A for Poster Session III Presentations

Presenters in Attendance
12:30 – 2:00 PM
Parallel Session

**Parallel 1: Natural History and Outcomes of Fatty Liver Disease**  
**Sunday, November 11**

8:30 AM – 10:00 AM  Room 24/25  
**MODERATORS:** Mary E. McCarthy Rinella  
Sonali Paul

8:30 AM  
31: The Incidence of Extrahepatic Malignancies in Nonalcoholic Fatty Liver Disease (NAFLD)  
Stephen B Hicks, Kristin Mara, Joseph J Larson, Terry M. Therneau and Alina M Allen

8:45 AM  
32: Diabetes but Not Metabolic Syndrome Adversely Impact Survival or Liver Decompensation in Patients with Non-Alcoholic Fatty Liver Related Cirrhosis.  
Luis Bertot, Eduardo Vilar-Gomez, Vincent Wai-Sun Wong, Manuel Romero-Gomez, Rocio Aller-De La Fuente, Grace Lai, Marlen Fernandez, Mohammed Eslam, Jacob George and Leon A. Adams

9:00 AM  
33: Slow Fibrosis Progression Rates in Placebo-Treated Randomised Controlled Trial Participants with Non-Alcoholic Steatohepatitis Predict Low Rates of Cirrhosis Development  
Anna Roskilly, Amy Hicks, Eleanor Taylor, Rebecca Jones, Richard Parker and Ian Rowe

9:15 AM  
34: Non-Alcoholic Steatohepatitis Predicts Adverse Liver-Related Outcomes and Death in Chronic Hepatitis B Patients  

9:30 AM  
35: Metabolically Healthy Obesity Is a Dynamic Condition Which Progress to Unhealthy Status According to Nash and Fibrosis Stage in Biopsy-Proven NAFLD Patients  

9:45 AM  
36: Ten-Year Analysis of Nonalcoholic Fatty Liver Disease Related Hospitalizations  
Edwin Golikov, Shil Patel, Suhail Salem, Taruna Bhatia and Jeevan Vinod

**Parallel 2: Drug-induced Liver Injury**  
**Sunday, November 11**

8:30 AM – 10:00 AM  Room 206/208  
**MODERATORS:** Jay H. Hoofnagle  
Hartmut Jaeschke

8:30 AM  
37: Concurrent Drug-Induced Liver Injury (DILI) and Skin Injury (DISI): Implicated Drugs, Phenotype Including Drug Rash with Eosinophilia and Systemic Symptoms (DRESS), and Predictors of Severity and Outcome  
Harshad Devarbhavi, Vishnu Vardhan Reddy, Sujata Raj, Rajvir Singh, Tarun Joseph, Deepak Ganga, Mahesh Menon and Mallikarjun Patil

8:45 AM  
38: Identification of a PTPN22 Missense Variant As a General Genetic Risk Factor for Drug-Induced Liver Injury  

9:00 AM  
39: Clinically Significant Hepatotoxicity Due to Immune Checkpoint Inhibitors Is Rare but Leads to Treatment Discontinuation in a High Proportion  
Hamzah Abu-Sbeih, Brett Styskel, Boris Blechacz, Naga P Chalasani and Ethan Daniel Miller

9:15 AM  
40: Synthetic Heparan Sulfate to Treat Acute Liver Injury  
Katelyn Arnold, Yongmei Xu, Erica Sparkenbaugh, Mark Piegore, Miaomiao Li, Fuming Zhang, Xiaoxiao Zhang, Michael Henderson, R. Todd Stravitz, Nigel Key, Robert Linhardt, Rafal Rafal Pawlinski, Ding Xu and Jian Liu

9:30 AM  
41: 4-Methylpyrazole As New Therapeutic for Acetaminophen Overdose in Mice and in Human Hepatocytes  
Jephie Y Akakpo, Anup Ramachandran, Luqi Duan, Matthew W Jaeschke, Wen-Xing Ding, Barry H Rumack and Hartmut Jaeschke

9:45 AM  
42: Hospital Teaching Status on Outcomes Amongst Patients with Drug-Induced Liver Injury  
Edwin Golikov, Shil Patel, Suhail Salem, Taruna Bhatia and Jeevan Vinod
Parallel 3: PBC, PSC and AIH  
**Sunday, November 11**

8:30 AM – 10:00 AM  Room 214/216

**MODERATORS:** Marlyn J. Mayo  
Michael H. Trauner

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8:30 AM  
**43: The Non-Steroidal Farnesoid X Receptor (FXR) Agonist GS-9674 Improves Liver Biochemistry and Decreases Serum Bile Acids in Patients with Primary Sclerosing Cholangitis (PSC): A Phase 2, Randomized, Placebo-Controlled Trial**


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8:45 AM  
**44: Two Simple Magnetic Resonance Scores Are Able to Predict Survival in Patients with Primary Sclerosing Cholangitis**

Nora Cazzagon, Sara Lemoine, Sanaa El Mouhadi, Palak Trivedi, Anthony Dohan, Astrid Kemgang Fankem, Chantal Housset, Yves Chretien, Christophe Corpechot, Gideon Hirschfield, Annarosa Floreani, Raffaella Motta, Karen Isaacs, Benoit Gallix, Alan Barkun, Jeffrey Barkun, Olivier Chazouilleres and Lionel Arrivé

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9:00 AM  
**45: Liver Stiffness Does Not Change over 2 Years in Patients with Primary Biliary Cirrhosis with an Incomplete Response to Ursodeoxycholic Acid**

Chung Heng Liu, Michael Corwin, John McGahan, Sandeep Dhaliwal, M Eric Gershwin and Christopher L. Bowlus

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9:15 AM  
**46: Asbt Is Not Required for the Choleretic Actions of 24-Norursodeoxycholic Acid in Mice**

Jianing Li, Anuradha Rao, Kimberly Pachura, Courtney Ferrebee, Claudia Daniela Fuchs, Saul J. Karpen, Michael H. Trauner and Paul A. Dawson

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9:30 AM  
**47: Serum Bilirubin within Normal Range Is Associated with an Increasing Risk of Mortality in Patients with Primary Biliary Cholangitis Regardless of Ursodeoxycholic Acid Treatment**

Stuart C. Gordon, Carla Rodriguez, Robert J Romanelli, Irina V Haller, Heather Anderson, Jeffrey J VanWormer, Joseph A Boscarino, Mark A Schmidt, Yihe Daida, Amandeep K. Sahota, Jennifer L. Vincent, Christopher L. Bowlus, Talan Zhang, Sheri Trudea, Jia Li, Christina Melkonian, Kuan-Han Wu, Lora Rupp and Mei Lu

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9:45 AM  
**48: Transcriptomic Profiling of Whole Blood from Autoimmune Hepatitis Patients Reveals Signatures of Disease Pathogenesis**

Emily Crawford, Craig Lammert, Arielle Klepper, Maira Phelps, Breann McGee, Amy Lyden, Joseph DeRisi, Sandy Feng and Michele M. Tana

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Parallel 4: HCV Treatment Around the World  
**Sunday, November 11**

8:30 AM – 10:00 AM  Room 154/156

**MODERATORS:** Camilla S. Graham  
Tarik Asselah

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8:30 AM  
**49: Three Years of Progress Towards Achieving Hepatitis C Elimination in the Country of Georgia, April 2015 – March 2018**


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8:45 AM  
**50: Educate, Test and Treat Model Towards Elimination of Hepatitis C in Egypt: Implementation in 63 Villages**

Gamal Shiha, Riham Soliman, Nabil Mikhail and Philippa Easterbrook

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9:00 AM  
**51: Effectiveness and Safety of DAA Treatment for Chronic Hepatitis C Patients with Previous Hepatocellular Carcinoma: Results from a Real-World, Multicenter Study of Asian Countries**

Eiichi Ogawa, Etsuko lio, Dae Won Jun, Chung-Feng Huang, Hiroaki Haga, Masaru Enomoto, Shinji Iwane, Dong Hyun Lee, Hirokazu Takahashi, Grace L.H. Wong, Jun Hayashi, Hideyuki Nomura, Makoto Nakamuta, Chia-Yen Dai, Jee-Fu Huang, Mi Jung Jun, Mei-Hsuan Lee, Sally Tran, Linda Henry, Yuichiro Eguchi, Akhiro Tamori, Yoshiyuki Ueno, Ming-Lung Yu, Yasuhiro Tanaka, Norhiro Furusyo, Mindle H. Nguyen, For The Real-C Investigators:, Sang Bong Ahn, Koichi Azuma, Wan-LONG Chuang, Kazufumi Dohmen, Jae Yoon Jeong, Jang Han Jung, Eiji Kajiwara, Akira Kawano, Toshimasa Koyanagi, Aritsu Katsun, Seung Ha Park, Takeaki Satoh, Shinji Shimoda, Do Seon Song, Kazuhiro Takahashi, Ming-Lun Yeh and Eileen Yoon

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9:15 AM  
**52: HCV Reinfection and Injecting Risk Behavior Following Elbasvir/Grazoprevir Treatment in Patients on Opioid Agonist Therapy: Co-STAR Part B**

Jason Grebely, Alain Harris Litwin, Olav Dalgard, Edward J. Gane, Oren Shibolet, Brian Conway, Ronald Nahass, Frederick Altice, Anne Luemaxmeyer, Cheng-Yuan Peng, David Lser, Isais Noel Gendrano, Hsueh-Cheng Huang, Michelle M Kelly, Peggy Hwang, Ela Barr, Michael Newton Robertson, Heather Pratt and Gregory Dore

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9:30 AM  
**53: Efficiency of a Telemedicine Program in the Management of Hepatitis C in Inmates**

Susana Llerena, Miguel Mateo, Carmen Cobo, Antonio Javier Blasco, Joaquin Cabezaz, Pablo Lázaro and Javier Crespo
9:45 AM
54: Safety and Efficacy of Ledipasvir/Sofosbuvir without on-Treatment Laboratory Monitoring in HCV-Infected Rwandans: The Shared 2 Study

Parallel 5: Biomarkers for Hepatobiliary Cancer
Sunday, November 11
8:30 AM – 10:00 AM Room 306/308
MODERATORS: Amit G. Singal
Tamar H. Taddei
8:30 AM
55: Clinical Impact of Genomic Diversity from Early to Advanced Hepatocellular Carcinoma
Jean-Charles Nault, Yoann Martin, Stefano Caruso, Quentin Bayard, Julien Calderaro, Marianne Ziol, Paulette Bioulac-Sage, Gabrielle Couchy, Theo Z Hirsch, Jean-Frederic Blanc, Giuliana Amaddeo, Nathalie Ganne, Laurence Chiche, Christophe Duvoux, Sandrine Faivre, Alexis Laurent, Sandrine Imbeaud, Sandra Rebouissou, Olivier Seror, Eric Letouze and Jessica Zucman-Rossi
8:45 AM
56: Elucidating Serum and Urinary Hepatocellular Carcinoma Diagnostic Biomarker Panels: Insight from the United Kingdom and West Africa
Mei Ran Abellona U, Pantong Mark, Nizming Ladep, Obinna Oleribe, Helen Reeves, Shaun Greer, Martin Prince, Stephen D Ryder, Kathryn Nash, Matthew E. Cramp, Mark Richard Thursz, Jeremy Nicholson, Simon Taylor-Robinson, Girbil N dow, Umberto D'Alessandro, Ramou Njie, Edith Okeke, Elaine Holmes and Maud Lemoine
9:00 AM
57: Lecithin-Cholesterol Acyltransferase (LCAT) As a Potential Biomarker for Diagnosis and Prognosis of Hepatocellular Carcinoma
Jingmin Zhao, Lihua Zhao, Xi Li, Shuhong Liu, Xue Gao and Pengfei Xu
9:15 AM
58: Glycan Analysis from Tissue to Serum - Identification and Validation of a Biomarker for the Early Detection of Hepatocellular Carcinoma
Anand S. Mehta, Mengjun Wang, Harmin Herrera and Richard Drake
9:30 AM
59: Identification of Circulating Exosomal Long Non-Coding RNA, Dancr, As Liquid Biopsy for Prognostic Markers of Hepatitis C Virus-Related Hepatocellular Carcinoma after Surgical Resection
Ming-Lung Yu, Shu-Chi Wang, Chung-Feng Huang, Ming-Lun Yeh, Meng-Hsuan Hsieh, Jee-Fu Huang, Chia-Yen Dai and Wan-LONG Chuang
9:45 AM
60: Application of Liver Stiffness Measurement and Alpha Fetoprotein As an Early-Warning Model for Primary Liver Cancer
Song-Hai Chen, DONG JI, Yingluo Lu and Guofeng Chen

Parallel 6: Metabolic Control of Hepatocellular Injury
Sunday, November 11
8:30 AM – 10:00 AM Room 312/314
MODERATORS: Kari Nejak-Bowen
Mark A. McNiven
8:30 AM
61: Cholesterol Loading in Liver Mitochondria Alters Mitochondrial Morphology, Respiration and Respiratory Supercomplexes Assembly
Estel Solsona-Villarrasa, Raquel Fucho, Sandra Torres, Susana Nuñez, Carmen Garcia-Ruiz and Jose Fernandez-Checa
8:45 AM
62: A Critical Role of HMGB1 in Liver Pathology Caused By Autophagy Deficiency.
Bilon Khambu, Nazmul Huda, Xiaoyun Chen and Xiao-Ming Yin
9:00 AM
63: Mitochondrial Unfolded Protein Response (UPRmt) Is Compromised in Senescent Cells As Well As End Stage Liver Disease and Overexpression of UPRmt Player, Clpp, Alleviates the Senescent Phenotype.
Bijoya Sen, Archana Rastogi, Rishiha Nath, Saggere Murali Shasthry, Sonika Pandey, Jagadis Gupta Kapuganti, Shiv Kumar Sarin, Nirupma Trehanpati and Gayatri Ramakrishna
9:15 AM
64: Hepatocyte-Specific β-Catenin Deletion during Severe Liver Injury Provokes Cholangiocytes to Differentiate into Regenerative Hepatocytes
Jacquelyn Russell, Hirohisa Okabe, Sucha Singh, Minakshi Poddar and Paul P Monga
9:30 AM
65: The Anti-Viral Dynamin Family Member Mxb Is Imported into Hepatocyte Mitochondria Via a Direct Interaction with the Chaperone Hsp60 to Mediate Genome Stability
Hong Cao, Jing Chen, Eugene W. Krueger and Mark A. McNiven
9:45 AM
66: Identification of a Novel Function of Hepatic Long-Chain Acyl-CoA Synthetase-1 (ACSL1) in Bile Acid Synthesis and Its Regulation By Bile Acid-Activated Nuclear Receptor FXR
Jingwen Liu, Yanyong Xu, Yanqiao Zhang and Jingwen Liu
Thomas E. Starzl Transplant Surgery
State-of-the-Art Lecture

**Sunday, November 11**

9:30 AM – 10:00 AM Hall D - General Session

**Thomas E. Starzl Transplant Surgery State-of-the-Art Lecture**

**MODERATOR:** Kimberly Ann Brown

0.50 CME Credits / 0.50 ABIM MOC Points

This lecture will examine the intersection of hepatobiliary neoplasia and liver transplantation to highlight what is currently working well, including liver transplantation for early stage hepatocellular carcinoma and hilar cholangiocarcinoma, as well as less common indications such as neuroendocrine tumors. The speaker will highlight continued challenges, particularly related to overall disease burden, organ availability and allocation policy, and transplantation for more advanced tumors. A discussion of future challenges will explore opportunities for a multi-disciplinary approach using novel systemic therapies that are becoming available for advanced liver disease and advanced malignancy.

**Learning Objectives:**

- Understand and apply the treatment recommendations of the updated AASLD HCC guidelines
- Identify current accepted indication and anticipated outcomes following liver transplantation for malignancies such as HCC and cholangiocarcinoma
- Discuss the future challenges facing the field of liver transplantation for various hepatic malignancies

9:30–10:00 AM Liver Transplant for Hepatobiliary Neoplasia – Current Challenges and Opportunities
Julie Heimbach

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**Exhibit Hall Open**

**Sunday, November 11**

9:30 AM – 3:00 PM Hall B - Exhibit Hall

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**Coffee Break**

**Sunday, November 11**

10:00 AM – 11:00 AM Hall B - Exhibit Hall
Plenary Session

Transplant Plenary II
Sunday, November 11

10:30 AM – Noon    Hall D - General Session
MODERATORS: Julie Heimbach, James F. Trotter

10:30 AM
7: Preemptive Pan-Genotypic Direct Acting Antiviral Therapy in Donor HCV-Positive to Recipient HCV-Negative Cardiac Transplantation
Emily Bethea, Gregory Lewis, Kerry Gaj, Jenna Gustafson, Amanda Dugal, David D’Alessandro and Raymond T. Chung

10:45 AM
8: Lower Likelihood of Graft Failure and Death after Liver Transplantation in the Era of Current Direct Acting Antivirals: An Analysis of the 2002-2016 United Network for Organ Sharing Registry
Kellie Young, Benny Liu, Taft Bhuket and Robert J. Wong

11:00 AM
9: Renal Function and HCC Recurrence As Well As Safety of Everolimus with Reduced Tacrolimus Versus Standard Tacrolimus in Deceased and Living Donor Liver Transplant Recipients: Pooled Analysis of H2304 and H2307 Studies

11:15 AM
10: Wide Variation in Mortality from Listing for Liver Transplantation across Transplant Centers By Intent to Treat Analysis
Avegail Flores, Giovanna Saracino, Ranjeeta R. Bahirwani, Gregory McKenna, Giuliano Testa, Goran Klintmalm, James F. Trotter and Sumeet K. Asrani

11:30 AM
11: A Pilot Randomized Controlled Trial of Intra-Operative Continuous Renal Replacement Therapy during Liver Transplantation: The Inception Study
Constantine J. Karvellas, Samantha Taylor, Timur Özelsel, Edward Bishop, Dominic Cave, David Bigam and Sean M Bagshaw

11:45 AM
12: Predicting Low-Risk for Sustained Alcohol Use after Early Liver Transplant for Severe Alcoholic Hepatitis: The Salt Score
Brian Lee, Eric Vittinghoff, Christine Hsu, Hyosun Helen Han, George Therapondos, Oren K. Fix, David W. Victor, Deepthi Dronamraju, Gene Y. Im, Michael D. Voigt, John P. Rice, Michael R. Lucey, Sheila L. Eswaran, Po-Hung Chen, Zhiping Li, Haripriya Maddur and Norah Terrault
Parallel Session

Parallel 7: Therapeutic Outcomes
In Fatty Liver Disease
Sunday, November 11

10:30 AM – Noon
Room 24/25
MODERATORS:
Stephen A. Harrison
Veeral H. Ajmera

10:30 AM
67: Physical Activity and Risk of Mortality in Non-
Alcoholic Fatty Liver Disease: A Population Based Study
of United States Adults
Mohamed Elsaid, Kitaw Demisse, You Li, Angelica Nicosia, Nidhi
Desai, Abdallah Elsabbagh and Vinod K. Rustgi

10:45 AM
68: Tight Glucose Control Improves Liver Tests in
Diabetics: A Prospective Analysis
Russell Rosenblatt, Zaid Tafesh, Nicole T. Shen, Adam Buckholz,
Gaurav Ghosh, Zachary Sherman, Catherine Lucero, Brett E.
Fortune, Robert S. Brown, Arun B. Jesudian and Sonal Kumar

11:00 AM
69: Impact of Pre-Screening with Fibrosis-4 Index on a
Referral Pathway for Patients with Suspected NAFLD
Tracy Davyduke, Juan G. Abraldes, Puneeta Tandon and Mang
M. Ma

11:15 AM
70: Regression of Fibrosis after Disappearance of Nash in
Morbidly Obese Patients: A Prospective Bariatric Surgery
Cohort with Sequential Liver Biopsies.
Guillaume Lassailly, Robert Calazzo, Viviane Gennemi, Alexandre
Louvet, Emmanuelle Leteutre, Florent Artru, Massih Ningarhari,
Sebastien Dharancy, Valerie Canva, Francois Pattou and Philippe
Mathurin

11:30 AM
71: Obeticholic Acid Was Safe and Well Tolerated
in Patients with Nonalcoholic Steatohepatitis and
Compensated Cirrhosis: A Secondary Analysis of the
Control Study
Dina Halegoua-De Marzio, Paul J. Thuluvath, Manal F. Abdelmalek,
Courtney Van Biene, Reshma Shringarpure and Leigh MacConell

11:45 AM
72: Severity of NAFLD/Nash Is Associated with Both
More Severe β-Cell Dysfunction and Reduced Insulin
Clearance Independently of Body Weight in a Large
Cohort of Non-Diabetic Subjects: Further Insights in the
Causative Role of Nash in T2DM Development.
Luisa Vorninga, Fabrizia Carli, An Verrijkens, Jonas Weyler,
Eveline Drinke, Peter P. Micheilsen, Thomas Vanwolleghem, Wim
Verlinde, Ann Driesen, Luc Van Gaal, Amalia Gastaldelli and
Sven M. Francque

Parallel 8: Novel Therapies for HBV
Sunday, November 11

10:30 AM – Noon
Room 157/160
MODERATORS:
Carla S. Coffin
Maureen M. Jonas

10:30 AM
73: Final Results of a Phase 1b 28-Day Study of
ABI-H0731, a Novel Core Inhibitor, in Non-Cirrhotic
Viremic Subjects with Chronic Hepatitis B
Man-Fung Yuen, Kosh Agarwal, Edward J. Gane, Christian
Schwabe, Sang Hoon Ahn, Dong Joon Kim, Young-Suk Lim,
Wendy Cheng, William Sievert, Kumar Visvanathan, Eric Ruby,
Sandy Liaw, Ran Yan, Emily Connelly, Dawei Cai, Qi Huang,
Richard Colombo and Uri A. Lopatin

10:45 AM
74: Safety, Pharmacokinetics and Antiviral Activity
of a Novel Hepatitis B Virus (HBV) Capsid Assembly
Modulator, JNJ-56136379, in Patients with Chronic
Hepatitis B (CHB)
Fabien Zoulim, Jeysen Yogaratnam, Joris J Vandebosch, Ilurie
Moscuatu, Adrian Streinu-Cercel, Oliver Lenz, Stefan Bourgeois,
Maria Buti, Juan Manuel Pascasio, Christoph Sarrazin, Thomas
Vanwolleghem, Christelle Vistuer, Lawrence M. Blatt and John Fry

11:00 AM
75: Inarigivir Demonstrates Potent Dose Dependent
Anti-Viral Activity in HBV Treatment-Naïve Patients:
Role of HBeAg Status and Baseline HBsAg in Anti-Viral
Response
Man-Fung Yuen, Magdy Elkhashab, Chi-Yi Chen, Yung Fa Chen,
Carla S. Coffin, Scott K. Fung, Susan Greenbloom, Jeong Won
Jang, Wen-Juei Jeng, Dong Joon Kim, Yoon Jun Kim, Won Kim,
Kwan Sik Lee, Young-Suk Lim, Chun-Jen Liu, Alnoor Ramji,
Radha Krishnan Iyer, Chelsea Macfarlaine, Kathy Jackson, Stephen
Locarnini, Nezam H. Afdhal and Henry Lik Yuen Chan

11:15 AM
76: Randomized, Double-Blind, Placebo-Controlled Trial
of Tenofovir Disoproxil Fumarate (TDF) in Children with
Chronic Hepatitis B (CHB)
Mei-Hwei Chang, Jae Hong Park, Jorge A. Bezerra, Daniela
Pacurar, Sandeep Nijhawan, Byung-Ho Choe, Kyung Mo Kim,
Rajiv M. Mehta, John F. Flaherty, George Wu, Yang Liu, Maribel
Reyes, Vithika Suri, Alexandrina Constantinescu, Yon-Ho Choe
and Daniel H. Leung

11:30 AM
77: Suppression of Hepatitis B Virus Antigens By RNA
Interference Enables Therapeutic Vaccination to Achieve
Immune Control in High-Titer Virus Carriers
Thomas Michler, Anna Kosinska, Dirk Grimm, Mathias
Heikenwalder, Stuart Millstein, Laura Sepp-Lorenzino, Percy
Knolle and Ulrike Proter
11:45 AM
78: Potent and Durable RNAi-Mediated Suppression of Hepatitis B Virus Infection in a Mouse Model By a Non-Viral Closed-Ended Linear Duplex (CELiD) DNA Vector
Badrirajad Ananthanarayanan, Michael Graham, Tin Mao, Vanessa Strings-Ufombah, Shih-Chu Kao, Kermit Zhang, Peter Roelvink and David Suhy

Parallel 9: Metabolic and Genetic Liver Disease
Sunday, November 11
10:30 AM – Noon Room 214/216
MODERATORS:
Michael L. Schilsky
Richard J. Thompson

10:30 AM
79: Phase 1/2 and Open Label Extension Studies of Givosiran an Investigational RNAi Therapeutic, in Patients with Acute Intermittent Porphyria

10:45 AM
80: A Novel Mechanism Causes Liver Fibrosis in Alpha-1-Antitrypsin Deficiency
Nazli Khodayari, Regina Oshins and Mark Brantly

11:00 AM
81: Outcomes of WTX101 Treatment in a Phase 2 and Extension Study in Wilson Disease: Comparison of Subjects with and without Cirrhosis
Michael L. Schilsky, Frederick K. Askari, Anna Czlonkowska, Peter Ferenci, Aftab Aila, Danny Bega, Jeffrey Bronstein, David Nicholl and Karl Heinz Weiss

11:15 AM
82: Nationwide Healthcare Utilization in Wilson’s Disease
Edwin Golikov, Shil Patel, Suhail Salem, Jeevan Vinod and Taruna Bhatia

11:30 AM
83: Long-Term Performance of Implanted Bioprinted Human Liver Tissue in a Mouse Model of Tyrosinemia I
Vaidehi Joshi, Emily Bozek, Vishal Shah, Shereen Aldaimalani, Leslie Crews and Ben Shepherd

11:45 AM
84: In Patients with Homozygous alpha1-Antitrypsin Deficiency (genotype Pi*ZZ), alpha1-Antitrypsin Augmentation Therapy Associates with Better Liver-Related Parameters
Carolin Victoria Heimes, Karim Hamesch, Mattias Mandorfer, Linda S. Moeller, Vitor Pereira, Monica Pons, Cecilia Lindhauer, Vivien Woditsch, Rembert Koczulla, Marc Miravitles, Sabina Janciauskiene, Joan Genesa, Aleksander Krag, Christian Trautwein and Pavel Strnad

Parallel 10: HCV and HEV Diagnostics, Epidemiology and Natural History
Sunday, November 11
10:30 AM – Noon Room 154/156
MODERATORS:
Nancy Reau
Doris B. Strader

10:30 AM
85: Performance of HCV Core Antigen Quantification in Predicting HCV-RNA Undetectability in Daa-Treated Patients Living in Resource-Constrained Countries.
Maria Bernarda Requena, Laetitia Canini, Léa Duchesne, Richard Njouom, Stéphane Chevaliez, Raoul Moh, Babacar Sylla, Nicolas Rouveau, Charles Kouanfack, Moussa Seydi, Lila Poiteau, Alexandre Soulier, Mélanie Wlassow, Valérie Ortonne, Alain Attia and Karine Lacombe

10:45 AM
86: Unexpected Long-Lasting IgM Positivity: Is Anti-HEV IgM the Best Marker for Acute Hepatitis E Diagnosis?
Mar Rivero Barciela, Ana Barreira, Jordi Llaneras, Elisabeth Mena, Sheila Romero, Meritxell Ventura-Cots, Francesc Sanpedro, Ariadna Rando, Francisco Rodriguez-Frias, Rafael Esteban-Mur and Maria Buti

11:00 AM
87: Hepatitis C Virus Risk-Based Vs. Universal Screening Among Pregnant Women: Implementation and Cost-Effectiveness Analysis
Michelle Rose, John Myers, Jennifer Evans, Alissa Prince and Claudia Espinosa

11:15 AM
Eli Rosenberg, Elizabeth Rosenthal, Eric Hall, Laurie Barker, Megan Hofmeister, Patrick Sullivan, Patricia Dietz, Jonathan Mermin and A. Blythe Ryerson

11:30 AM
89: Prevalence of NS3 and NS5A Resistance Associated Substitutions through European Daa-Failures
Stephanie Popping, Valeria Cento, Charles AB Boucher, Annemarie Wensing, Carole Devaux, Dominique Salmon, Robert J. De Knept, Murat Sayan, Oana Sandulescu, Orna Mor, Adolfo De Salazar, Mariani Aragri, David Van De Vijver, Francesca Ceccherini-Silberstein* and Federico Garcia

11:45 AM
90: An Analysis of Concordance between HCV Core Antigen and HCV RNA By PCR
Hajra Farooq, Asad Choudhry, Waheed Uz Zaman Tariq, Omar Chughtai, Zaheer Iqbal and Altaf Alam

Denotes AASLD Foundation Abstract Award Recipient
Parallel 11: Hepatobiliary Cancer Risks
Sunday, November 11
10:30 AM – Noon  Room 306/308
MODERATORS:  W. Ray Kim  Tracey G Simon

10:30 AM
91: The Association between Aspirin Use and Risk of Hepatocellular Carcinoma: Results from Two Prospective U.S. Cohort Studies
Tracey G Simon, Yanan Ma, Jonas F Ludvigsson, Dawn Q Chong, Edward Giovannucci, Charles Fuchs, Jeffrey Meyerhardt, Kathleen E. Corey, Raymond T. Chung, Xuehong Zhang and Andrew Chan

10:45 AM
92: Direct-Acting Antiviral Therapy Significantly Reduces Early HCC Recurrence: A Multicenter U.S. Cohort Study

11:00 AM
93: Lipophilic Statins and Risk of Hepatocellular Carcinoma and Mortality: A Prospective, Nationwide Population with Chronic Viral Hepatitis
Tracey G Simon, Ann-Sofi Duberg, Soo Aleman, Hannes Hagström, Raymond T. Chung and Jonas F Ludvigsson

11:15 AM
94: Risk-Based HCC Surveillance Strategies Based on Risk Prediction Models Have Greater Net Benefit Than the Current “One-Size-Fits-All” Strategy in Patients Who Received Antiviral Treatment for HCV.
George Ioannou, Pamela Green, Lauren A. Beste, Elijah Mun, Kathleen Kerr and Kristin Berry

11:30 AM
95: Direct Antiviral Agents after Successfully Treated Early Hepatocellular Carcinoma Improves Survival in Cirrhotic Patients with Chronic Hepatitis C

11:45 AM
96: Prognostic Role of Real-Time Circulating Tumor DNA Profiling of Biliary Tract Cancers

Parallel 12: Liver Immunobiology: Cell Injury and Carcinogenesis
Sunday, November 11
10:30 AM – Noon  Room 312/314
MODERATORS:  Wajahat Z Mehal  Cynthia Ju

10:30 AM
97: The Phospholipid Flippase ATP8B1 Mediates Acidification of the Endolysosomal System in Macrophages
Valentina E. Gomez Mellado, Vincent A. Van Der Mark, Kam S. Ho-Mok, Piter J. Bosma, Ronald PJ Oude Elferink and Coen C. Paulusma

10:45 AM
98: Mir-30b-5p Participates in NLRP3 Inflammasome Expression of Bone Marrow-Derived Monocytes/Macrophages in Mouse Chronic Liver Injury
Lei Tian, Xiaofang Ji, Le Yang, Na Chang, Xianghui Duan, Lin Yang and Living Li

11:00 AM
99: IL-21 Receptor Signaling Is Essential for Control of Hepatocellular Carcinoma Growth and Immunological Memory for Tumor Challenge
Xinchun Zheng, Yang Zhou, Chengcong Chen, Chunhua Wen, Guofu Ye, Xiaoyi Li, Libo Tang, Yongyin Li and Jinlin Hou

11:15 AM
100: Adoptive Cell Therapy Using Double Negative T Cells to Prevent the Development and Progression of Nonalcoholic Steatohepatitis (NASH)
Guangyong Sun, Chunpan Zhang, Hua Jin, Wen Shi, Tianqi Wang and Dong Zhang

11:30 AM
101: Senescent Hepatocytes Show Inflammatory Gene Signature and Their Secretome Affects Macrophage Polarization and Neutrophil Extracellular Traps Formation.
Bijoya Sen, Rashi Sehgal, Saver Aggarwal, Rhsita Nath, Ashish Kumar Vyas, Mojahidul Islam, Shiv Kumar Sarin, Nirumpa Trehanpati and Gayatri Ramakrishna

11:45 AM
102: Suppression of HCC Initiation or Progression By Systemic Activation of Innate and Adaptive Immunity
Liang Wen, Bing Xing, Panyisha Wu, Jin Lee and Gen-Sheng Feng
SIG Programming

Sunday, November 11
10:30 AM – 12:30 PM Room 206/208
Policy and Practice

SESSION CHAIRS: Michael R. Lucey
Michael Volk

Alcoholic Liver Disease SIG
1.75 CME Credits

This program will provide practicing clinicians with an update on recent changes in the epidemiology of alcoholic liver disease, advances in understanding of its pathophysiology and the impact of social policies on alcohol use disorders. The program will then present advances in the treatment of alcohol abuse and alcoholic liver disease, including novel models of multidisciplinary care for these patients.

Learning Objectives:
- Be able to describe changes in epidemiology of alcohol abuse and the impact of social policies
- Be able to implement new treatments for alcoholism and alcoholic liver disease into their clinical practice

10:30–10:35 AM Welcome and Introductions
10:35–10:50 AM Epidemiology of AUD and ALD
Jessica L. Mellinger
10:50–11:05 AM The Influence of Societal Restraints on Alcohol Use and ALD
Ian Gilmore
11:05–11:20 AM New Treatment Models for AUD and ALD
Robert Weinrieb
11:20–11:30 AM Panel Discussion
11:30–11:45 AM Break
11:45 AM–12:00 PM New Prospects for Medical Management of Acute ALC Hepatitis
Vijay Shah
12:00–12:15 PM Outcomes of Liver Transplant for Acute ALC Hepatitis
Gene Y. Im
12:15–12:25 PM Panel Discussion
12:25–12:30 PM Closing Remarks

Snack Break

Sunday, November 11
1:30 PM – 2:30 PM Hall B - Exhibit Hall
General Hepatology Update

**Sunday, November 11**
2:00 PM – 3:30 PM  
Hall D - General Session

**General Hepatology Update**

SESSION CHAIRS:  
Maria Luisa Yataco  
Kyle E. Brown

1.50 CME Credits / 1.50 ABIM MOC Points

This session will provide updates and practical guidance for clinicians dealing with three common and/or difficult to manage conditions. Attendees will hear about new and emerging treatments for PBC, address the palliative care aspect of cirrhosis management and receive tips on how to formulate a plan for treating obesity in cirrhotic patients.

**Learning Objectives:**
- Understand the use of newer and emerging treatments for PBC
- Address the palliative care aspect of cirrhosis management
- Formulate a plan for treating obesity in cirrhotic patients

2:00–2:05 PM  
Welcome and Introductions

2:05–2:30 PM  
PBC: New Paradigms for an Old Disease
  Cynthia Levy

2:30–2:55 PM  
Palliative Care in Cirrhosis
  Mina O. Rakoski

2:55–3:20 PM  
Managing Obesity in the Cirrhotic
  Kymberly Watt

3:20–3:30 PM  
Panel Discussion

Maintenance of Certification (MOC) Update

**Sunday, November 11**
2:00 PM – 3:30 PM  
Room 22/23

**Maintenance of Certification (MOC) Update**

SESSION CHAIRS:  
Vandana Khungar  
Ryan M. Taylor

1.50 CME Credits / 1.50 ABIM MOC Points

Frequent changes to ABIM’s MOC requirements have left physicians with confusion and a lack of understanding of the process and expectations. This session will review the current ABIM MOC program and describe how AASLD is helping members meet its requirements, as well as requirements for certification by the American Board of Pediatrics (ABP). Attendees will become familiar with recent changes in MOC requirements and anticipated future changes, understand basic requirements to achieve and sustain MOC under the existing ABIM or ABP framework and identify how to access AASLD educational activities that are approved for ABIM or ABP MOC points.

**Learning Objectives:**
- Understand basic requirements and expectations for physicians to achieve and sustain Maintenance of Certification (MOC) under the existing ABIM and ABP framework
- Identify how to access educational activities created by AASLD to be relevant to their practice in hepatology and approved for ABIM and ABP MOC points
- Become familiar with recent changes in MOC requirements and anticipated changes for the future of MOC

2:00–2:05 PM  
Welcome and Introductions

2:05–2:25 PM  
Insane (But True) Things About MOC
  Helen S. Te

2:25–2:45 PM  
MOC 1-2-3 from AASLD
  Heather M. Patton

2:45–3:05 PM  
Inside Scoop on MOC from the ABIM
  Nancy Reau

3:05–3:25 PM  
Panel Discussion

3:25–3:30 PM  
Closing Remarks
Parallel Session

Parallel 13: Novel Therapeutics for NASH
Sunday, November 11
2:00 PM – 3:30 PM  Room 24/25
MODERATORS:  Dina Halegoua-De Marzio
Averell H. Sherker

2:00 PM
103: A Phenome-Wide Association Study of Patatin-like Phospholipase Domain Containing 3 (PNPLA3) I148M Variant in 337,536 Participants of the UK Biobank Study
Yee Hui Yeo, Abhiram Rao, Boxiang Liu, Mindie H. Nguyen and Erik Ingelsson

2:15 PM
104: NGM282 Rapidly Improves NAFLD Activity Score (NAS) and Fibrosis in 12 Weeks in Patients with Biopsy-Confirmed Nonalcoholic Steatohepatitis (NASH): Results of a Phase 2 Multi-Center Dose Finding Study
Stephen A. Harrison, James F. Trotter, Angelo H. Paredes, Cynthia D. Guy, Mustafa Bashir, Mark J. Jaros, Rajarshi Banerjee, Bryan A. Baxter, Lei Ling, Stephen Rossi, Ransi M. Somaratne and Alex DePaoli

2:30 PM
105: The Effect of Semaglutide on Liver Enzymes in Subjects with Obesity and Elevated Alanine Aminotransferase: Data from a Randomized Phase 2 Trial
Philip N. Newsome, Stephen A. Harrison, Søren Rasmussen, Tea Monk Fries and Luc Van Gaal

2:45 PM
106: AXA1125, a Novel Composition of Amino Acids Reprograms the Multifactorial Pathophysiology in NAFLD
Svetlana Marukian, Raffi Afeyan, Tony Tramontin, Michael Hamill, Scharmen Confer, Joel Neutel, Stephen A. Harrison and Manu Chakravarthy

3:00 PM
107: Quantifying the Placebo Effect on Liver Fat Using Magnetic Resonance Imaging-Proton Density Fat Fraction in NAFLD Clinical Trials
Mohammad Chaudhry, Cynthia A. Moylan, Michael S. Middleton, Alfredo Farjat, Kingshuk Roy Chaudhury, Cynthia D. Guy, Manal F. Abdelmalek, Rohit Loomba, Claude B. Sirlin and Mustafa Bashir

3:15 PM
108: Imm-124E Improves Metabolic Endotoxemia and Markers of Liver Injury in Nonalcoholic Steatohepatitis
Manal F. Abdelmalek, Bradley L. Freilich, Stephen A. Harrison, Elizabeth E. Powell, Mary E. McCarthy Rinella, Neta Tobis, Dan Peres, Jerry Kanellos, Gadi Lalazar and Arun J Sanyal

Parallel 14: Complications of Cirrhosis I
Sunday, November 11
2:00 PM – 3:30 PM  Room 206/208
MODERATORS:  Michael B. Fallon
Pere Gines

2:00 PM
109: B-Arrestin2 Plays a Critical Role in eNOS Signaling in Sinusoidal Endothelial Cells
Songling Liu, Louis M Luttrell, Richard T. Premont and Don C. Rockey

2:15 PM
110: Efficacy of Induced Hematopoietic Stem Cell Therapy in Decompensated Cirrhosis: An Open Label, Randomized Controlled Trial
Virendra Singh, Arka De, Sunita Kumari, Armitjyot Kaur, Rattiram Sharma, Akash Singh, Ashish Bhalia, Nipun Verma and Navneet Sharma

2:30 PM
111: Efficacy and Safety of Macitentan in Patients with Portopulmonary Hypertension: The Randomized, Placebo Controlled Portico Trial
Michael J. Krowka, Emmanuelle Cottreel, Pascal De Groote, Marius M Hoeper, Nick Kim, Nicolas Martin, Laurent Savale, Olivier Sitbon and Jaime Bosch

2:45 PM
112: An Altered Gut-Brain Communication Modulates Neuro-Inflammation in Cirrhotic Mice
Runping Liu, Jason D Kang, Siddhartha Ghosh, Jeremy Herzog, Derrick Zhao, Weiwei Zhu, Yanyan Wang, Yunzhou Li, Robert Lippman, Philip B Hylemon, Ryan Balfour Sartor, Huiping Zhou and Jasmohan S. Bajaj

3:00 PM
113: Recombinant Alkaline Phosphatase Is a Novel Therapy for the Prevention of Acute on Chronic Liver Failure but Not Acute Liver Failure
Cornelius Engelmann, Danielle Adedayo, Marc Oria, Francesco De Chiara, Simone Novelli, Thomas Berg, Abeba Habtesion, Nathan Davies, Fausto Andreola and Rajiv Jalan

3:15 PM
114: Midodrine with Albumin Is Safe and Effective in Preventing Complications Post-Large Volume Paracentesis-an Open Labelled Randomised Controlled Trial (NCT-03144713).
Anand V. Kulkarni, Sukriti Sukriti, Rakhi Maiwall, Ankur Jindal, Rehmat Ali, Sherin Thomas, Guresh Kumar, Priyanka Jain and Shiv Kumar Sarin
Parallel 15: Alcoholic Liver Disease: Experimental
Sunday, November 11
2:00 PM – 3:30 PM Room 154/156
MODERATORS: Hidekazu Tsukamoto Laura E. Nagy

2:00 PM
115: Comprehensive Characterization of Hepatocyte-Derived Extracellular Vesicles Identifies Direct miRNA-Based Regulation of Hepatic Stellate Cells and DAMP-Based Hepatic Macrophage IL-1β and IL-17 Upregulation in Alcoholic Hepatitis Mice
Akiko Eguchi, Rui Yan, Raymond Wu, Jihoon Kim, Charles Ansong, Richard Smith, Tatiana Kisseleva, Lucila Ohno-Machado, David A. Brenner, Yoshiyuki Takei, Ariel E. Feldstein and Hidekazu Tsukamoto

2:15 PM
116: CD64-Targeted Prednisolone Lipid Nanoparticles As a Novel Drug Delivery System to Target Inflammatory Macrophages for the Treatment of Alcoholic Liver Diseases
Mikolaj Szachniewicz, Matthias Bartneck, Gert Storm, Jai Prakash, Frank Tacke and Ruchi Bansal

2:30 PM
117: Ghrelin Receptor Antagonist [D-Lys-3] Ghrp-6 Inhibits Chronic Alcohol-Induced Hepatic Steatosis By Improving Adipose Tissue Lipid Metabolism
Karuna Rasineni, Kusum K. Kharbanda, Paul Thomes, Jacy Kubik and Carol A. Casey

2:45 PM
118: Liver-Specific Long-Chain Ceramide Reduction Improves Hepatic Steatosis and Insulin Resistance in Alcohol-Fed Female Mice
Jason Correnti, Chelsea Lin, Jascha Brettschneider, Amanke Chigoeji Oranu, Will Holland and Rotonya M. Carr

3:00 PM
119: Successful Adaptation of the Liver to Alcohol Involves Kupffer Cell Apoptosis and Anti-Inflammatory Changes in Hepatic Macrophages
Zhuan Li, Abbey Adams, Jie Zhao and Steven A. Weinman

3:15 PM
120: TREM-1 Inhibition Ameliorates Inflammation and Activation of Macrophages and Neutrophils in Mouse Alcoholic Liver Disease
David Tornai, Istvan Furi, Zu Ting Shen, Alexander B. Sigalov, Sahin Coban and Gyongyi Szabo

Parallel 16: Liver Transplantation: Optimizing the Recipient
Sunday, November 11
2:00 PM – 3:30 PM Room 153/155
MODERATORS: Edward Doo Pratima Sharma

2:00 PM
121: Multi-Center Study of Age, Frailty, and Waitlist Mortality in Liver Transplant Candidates
Christine Haugen, Mara A. McAdams-DeMarco, Hao Ying, Dorry L. Segev, Yara Mohamad, Adrienne Lebsack and Jennifer Cindy Lai

2:15 PM
122: Validity of MELD-Sarcopenia Score for a Prediction of Waitlist Mortality in Patients Listed for Liver Transplant. From the Fitness, Life Enhancement, and Exercise in Liver Transplantation (FLEXIT) Consortium

2:30 PM
123: Weight Loss Surgery Pre-Liver Transplant Is Superior to Medical Weight Loss in Reducing Post-Transplant Metabolic Complications
Suzanne R. Sharpton, Mehdi M. Tavakol, Norah Terrault and Andrew M. Posselt

2:45 PM
124: Home-Based Exercise Therapy in Patients Awaiting Liver Transplantation: A Single-Centre Clinical Trial and Felicity Williams

3:00 PM
125: Renal-Sparing Immunosuppression at Time of Transplant Does Not Improve Post-Transplant Renal Outcomes
Pratima Sharma, Yihan Sun, Joslyn Neal, Jennifer Erley, James Shen, Sarah Tischer, Christopher J. Sonnenday and Jeong Park

3:15 PM
126: Survival Outcomes Are Not Affected When Liver Transplant Surgery Is Done at Night, during Week-Ends or Summer Months
Paul J. Thuluvath, Yulia Savva and John C. LaMattina
Parallel 17: Healthcare Delivery, Access, and Quality
Sunday, November 11
2:00 PM – 3:30 PM Room 306/308
MODERATORS: Elliot B. Tapper Fasiha Kanwal

2:00 PM
127: The Effect of Cirrhosis on Hospital Readmissions Reduction Program

2:15 PM
128: Do Cirrhosis Practice Metrics Improve Outcomes? Validation of Cirrhosis Practice Metrics Among a National Cohort of Veterans
Marina Serper, David E. Kaplan, Tamar H. Taddei and Rachel M. Werner

2:30 PM
129: Introducing a Behavioral Health Intervention to Address the Tri-Morbidity (alcohol, substance use and depression) in Chronic Liver Disease.
Manisha Verma, Jay Horrow, Simona Rossi, Eyob L. Feyssa and Victor J. Navarro

2:45 PM
130: Projection of Prevalence and Mortality Trends in Alcohol-Related Liver Disease in the United States
Jovan Julien, Turgay Ayer, Emily Betha and Jag Chhatwal

3:00 PM
131: Initial Evaluation, Laboratory Monitoring, and Surveillance of Chronic Hepatitis B (CHB) Patients: Results of a Real-World Analysis of 85,922 Commercially-Insured Patients
Sally Tran, Donghak Jeong, Yee Hui Yeo, Michael Le, Linda Henry, Ramsey Cheung and Mindie H. Nguyen

3:15 PM
132: Rural-Urban Differences in in-Hospital Mortality Among Admissions for End-Stage Liver Disease in the United States
Katherine Ross, Rachel E Patzer, David S. Goldberg, Nicholas Osborne and Raymond Lynch

Parallel 18: Pediatric Cholestasis – Basic and Clinical
Sunday, November 11
2:00 PM – 3:30 PM Room 312/314
MODERATORS: Saul J. Karpen Cara Lynn Mack

2:00 PM
133: Impairment of Inter-Cholangiocyte Signaling As a Potential Mechanism for Bile Duct Paucity in Alagille Syndrome
Matthew Rozycki, Jiajie Liu, Aishwarya Parmar, Fotios Sampaziotis, Anand Anand Ghanekar and Binita M. Kamath

2:15 PM
134: Truncating Mutation of Bsep/ABCB11 in Human Hepatocytes Derived from Induced Pluripotent Stem Cells Increases Their Susceptibility to Bile Acid Injury
Akihiro Asai, Hisamitsu Hayashi, Leena Ibrahim, Kokoro Ssakabe, Nicholas Ryan Brandser, Ken Ishii, Takanori Takebe and Eitaro Alhara

2:30 PM
135: Maternally Administered Toxin Leads to Disruption and Fibrosis of the Neonatal Mouse Extrahepatic Bile Duct: A Model for Biliary Atresia
Andrew Wehrman, Alyssa Kriegermeier, Oriith Waisbourd-Zinman and Rebecca G. Wells

2:45 PM
136: Neurocognitive Outcomes in Older Children with Biliary Atresia and Native Liver: Results from the Childhood Liver Disease Research Network (ChiLDReN) Study

3:00 PM
137: Prognostic Value of Serum Bile Acids after Kasai Portocenterostomy in Biliary Atresia

3:15 PM
138: The Expansion of Reparative Ly6CLo Monocytes Is Associated with Resistance to Rhesus Rotavirus-Mediated Fetal Bile Duct Injury
Katya Polovina, Anas Alkhani, Aras N. Mattis, Clifford Lowell, Jacquelyn J. Maher and Amar Nijagal
This program has been designed to improve the diagnosis, pharmacologic treatment and management of patients with chronic liver disease. The current data is highlighted to support effective and efficient patient-centered care. Attendees will gain the ability to utilize medical knowledge and research to provide quality, evidence-based care and to enhance interdisciplinary collaboration to improve health outcomes.

Learning Objectives:
- Understand available non-invasive markers for fibrosis assessment and how to interpret results to accurately recognize and diagnose cirrhosis
- Recognize patterns of drug induced liver injury and avoid common medications associated with hepatotoxicity
- Utilize best practices in the management of difficult psychosocial barriers commonly encountered in the cirrhotic population
- Integrate principles of evidenced based treatment and management of complications in advanced liver disease

2:00–2:05 PM Welcome and Introductions
2:05–2:25 PM Is My Patient Really Cirrhotic?: Making the Diagnosis
Lisa M. Richards
2:25–2:45 PM Polypharmacy: What to Avoid
Tiffany E. Kaiser
2:45–3:00 PM Break
3:00–3:20 PM Psychosocial Factors in Cirrhosis
Carolyn J. Driscoll
3:20–3:40 PM Management of Complications: Common Conundrums
HoChong Gilles
3:40–3:55 PM Panel Discussion
3:55–4:00 PM Closing Remarks

This program will describe the molecular mechanisms and rationale for novel systemic therapy agents targeting signaling pathways and immune mechanisms that have been recently approved for the treatment of HCC. This program will also cover the roles of new agents in the current AASLD guidelines for treatment of HCC.

Learning Objectives:
- Appreciate the mechanisms underlying the development of new systemic treatments for hepatocellular carcinoma
- Describe the recently approved drugs for systemic treatment of advanced hepatocellular carcinoma
- Explain the rationale for the placement of novel agents within the current AASLD guidelines for treatment of hepatocellular carcinoma

2:00–2:05 PM Welcome and Introductions
2:05–2:20 PM Linking Cancer Drivers to Targeted Therapies in HCC
Jessica Zucman-Rossi
2:20–2:35 PM Mechanisms of Action of Drugs Effective in HCC
Augusto Villanueva
2:35–2:50 PM New Drugs Effective in the Systemic Treatment of HCC
Josep M Llovet
2:50–3:05 PM Break
3:05–3:20 PM Advances in Immunotherapy for HCC
Anthony El-Khoueiry
3:20–3:35 PM The Place of Novel Therapies in the AASLD Guidelines for HCC
Richard Finn
3:35–3:55 PM Panel Discussion
3:55–4:00 PM Closing Remarks
Value-based Medicine in Hepatology

**Sunday, November 11**

2:00 PM – 4:00 PM    Room 20/21

**Development of an Alternative Payment Model for Cirrhosis**

**SESSION CHAIRS:**  Meena B. Bansal
                      Michael Volk

**MODERATORS:**  Fasiha Kanwal
                  Mario Strazzabosco
                  Ziad F Gellad
                  Sanjiv Shah

2.00 CME Credits / 2.00 ABIM MOC Points

Value-based medicine is a growing field, but no alternative payment models have been developed for patients with cirrhosis. In this session, members will participate in developing the necessary components of an alternative payment model. This working session will leverage the wisdom of the group in creating a new platform for care of this patient population. Participants will leave with a greater understanding of the details of how to implement alternative payment models.

**Learning Objectives:**
- Identify the rationale for value-based care of patients with cirrhosis
- Participate in developing necessary components of an alternative payment model

2:00–2:05 PM    Why APMS for Cirrhosis?
                 Michael Volk

2:05–2:15 PM    Examples From Other Chronic Diseases
                 Ziad F Gellad

2:15–2:25 PM    Payer Perspectives
                 Sanjiv Shah

2:25–2:35 PM    Health System Perspectives
                 Meena B. Bansal

2:35–3:05 PM    Breakout Session
                 Michael Volk, Mario Strazzabosco,
                 Meena B. Bansal, Ziad F Gellad, Sanjiv
                 Shah, Fasiha Kanwal

3:05–3:25 PM    Group Reports

3:25–3:55 PM    Panel Discussion

3:55–4:00 PM    Closing Remarks
Presidential Address

Sunday, November 11
3:45 – 4:00 PM   Hall D – General Session
PRESENTER: Ronald J. Sokol, MD, FAASLD

President’s Choice Lecture

Sunday, November 11
4:00 PM – 4:30 PM   Hall D - General Session
President’s Choice Lecture
MODERATOR: Ronald J Sokol
0.50 CME Credits

Large-scale, omics-based technologies have the potential to provide enhanced precision for medical therapies in a broad range of conditions, including liver diseases. The most mature applications are evident in genomic-based approaches, such as mutation-oriented cancer therapeutics. Researchers are assessing other technologies, such as the microbiome, for similar utility, and this lecture will outline the limitations and opportunities of these approaches.

Learning Objectives:
- Define personalized medicine
- Identify current applications for personalized medicine in hepatology
- Understand limitations and future opportunities for large-scale technologies in clinical hepatology

4:00–4:30 PM   Genomics, Microbiomics and Personalized Hepatology
Tom H. Karlsen

AASLD/ALEH Joint Symposium

Sunday, November 11
4:15 PM – 6:15 PM   Room 214/216
Tropical Hepatology – Tropical Diseases and Liver Involvement
SESSION CHAIRS: Patrick S Kamath
Raymundo Paraná
2.00 CME Credits

This program will highlight the hepatic manifestations of various diseases endemic or epidemic in the tropics. These diseases include viral A and E hepatitis; hepatic manifestations of viral epidemics like dengue, SARS and Zika virus; bacterial infections like typhoid; and parasitic diseases, like malaria.

Learning Objectives:
- Diagnose various causes of liver disease that travelers from the United States may contract during travel to Tropical countries
- Manage these conditions
- Learn preventative strategies including vaccinations and chemoprophylaxis

4:15–4:20 PM   Welcome and Introductions
4:20–4:40 PM   Hepatitis A and Hepatitis E
Kenneth E. Sherman
4:40–5:00 PM   Liver Failure on Returning From the Tropics: Dengue, Typhoid, Leptospirosis, Malaria
Harshad Devarbhavi
5:00–5:20 PM   Viral Epidemics and Hepatitis: Zika, Yellow Fever, Dengue Fever
Maria Cassia Mendes-Correa
5:20–5:40 PM   Parasitic Disease and the Liver
Edna Strauss
5:40–6:00 PM   Prevention of Liver Disease During Travel
Robert G. Gish
6:00–6:15 PM   Panel Discussion
Parallel Session

Parallel 19: Biomarkers and Imaging in Fatty Liver Disease
Sunday, November 11
4:30 PM – 6:00 PM  Room 24/25
MODERATORS: Rohit Loomba
Lisa B. VanWagner

4:30 PM
139: Abide: A Novel Predictive Model of Liver Decompensation in Patients with Non-Alcoholic Fatty Liver Related Cirrhosis.
Luis Bertot, Eduardo Vilar-Gomez, Vincent Wai-Sun Wong, Manuel Romero-Gomez, Rocio Aller-De La Fuente, Grace Lai, Marlen Fernandez, Mohammed Eslam, Jacob George and Leon A. Adams

4:45 PM
140: Fibroscan-Based Score (FS3) to Identify Nash Patients with NAS≥4 and F≥2: Development in a NAFLD UK Cohort - External Validation in a Malaysian NAFLD Cohort, a US Screening Cohort and a French Bariatric Surgery Cohort

5:00 PM
141: First Direct Comparison in NAFLD of the Blood Fibrosis Tests Fibrometer and Elf
Jerome Boursier, Maeva Guillaume, Valerie Moal, Cyrielle Delabaudiere, Floraine Zuberbuhler, Marie-Angele Robic, Adrien Lannes, Sophie Metivier, Frederic Oberti, Pierre Gourdy, Isabelle Fouchard Hubert, Jean-Marie Peron, Paul Cales and Christophe Bureau

5:15 PM
142: NIS4 for the Detection of Active Nash (NAS≥4) and Significant Fibrosis (F≥2) in 714 Patients at Risk of Nash: Diagnostic Metrics Are Not Affected By Age, Sex, Presence of Type 2 Diabetes or Obesity.
Remy Hanf, Stephen A. Harrison, Pierre Bedossa, Quentin M. Anstee, Vlad Ratziu, Sven M. Francque, Zouher Majd, Emilie Praca, Fouad Ben Sudrick, John Brozek, Bart Staels, Sophie Megnien, Dean Hum, Suneil Hosmane, Pierre Chaumat and Arun J Sanyal

5:30 PM
143: Risk of Cirrhosis and HCC in Patients with Steatosis and Normal Aminotransferases
Yamini Natarajan, Jennifer R Kramer, Xian Yu, Jingqi Wang, Hua Xu and Fasiha Kanwal

5:45 PM
144: New Automated Evaluation Tool Qfibs - Quantitative Assessment for Fibrosis, Inflammation, Ballooning, and Steatosis in Patients with Non-Alcoholic Steatohepatitis
Feng Liu, Boon Bee George Goh, Dina Tiniakos, Aileen Wee, Leow Wei-Qiang, Jingmin Zhao, Huiying Rao, Xiao-Xiao Wang, Qin Wang, Wei-Keat Wan, Kiat Hon Lim, Manuel Romero-Gomez, Salvatore Petta, Elisabetta Bugianesi, Chee-Kiat Tan, Stephen A. Harrison, Quentin M. Anstee, Jason Chang and Lai Wei
Parallel 20: Ongoing Benefits of HCV Therapy  
Sunday, November 11  
4:30 PM – 6:00 PM  
Room 157/160  
MODERATORS: Joseph K. Lim, Andrew Joseph Muir  
CME Not Offered  

4:30 PM  
145: The Impact of HCV Sustained Virologic Response from Direct Acting Antiviral and Interferon-Based Treatments on Mortality in a Large Population Based Cohort Study  
Naveed Janjua, Stanley Wong, Carmine Rossi, Amanda Yu, Zahid Ahmad Butt, Mawuena Binka, Maryam Darvishian, Maria Alvarez, Nuria Chapinal, Mark Tyndall and Mel Krajden  

4:45 PM  
146: Impact of All-Oral Direct-Acting Antivirals on Clinical and Economic Outcomes in Chronic Hepatitis C Virus-Infected Patients in the U.S.  
Haesuk Park, Wei Wang, Linda Henry and David R. Nelson  

5:00 PM  
147: Disparities in Accessing HCV Care Under Medicaid Programs across the United States; Experience from the Trio Network  
Zobair M. Younossi, Bruce R. Bacon, Michael P. Curry, Steven L. Flamm, Scott Milligan, Nicole Wick, Naoky C. S. Tsai and Nezam H. Afdhal  

5:15 PM  
148: Sustained Virologic Responses Reduces the Incidence of Extrahepatic Manifestations in Chronic Hepatitis C Infection  
Carmine Rossi, Zahid Ahmad Butt, Nuria Chapinal, Maryam Darvishian, Mawuena Binka, Maria Alvarez, Stanley Wong, Amanda Yu, Geoff Mckee, Mark Gilbert, Jason Wong, Mel Krajden and Naveed Janjua  

5:30 PM  
149: Improvements in Symptoms Shortly Following Viral Cure for Chronic Hepatitis C: A Large Multi-Site Clinical Cohort Study  

5:45 PM  
150: Quality of Life in Patients with Psychiatric Disorders: Pooled Analysis from Glecaprevir/Pibrentasvir Registrational Studies  
Patrice Cacoub, Mark I. Bondin, Oscar Hayes, Brett Pinsky and Francesco Negro  

Parallel 21: Complications of Cirrhosis II  
Sunday, November 11  
4:30 PM – 6:00 PM  
Room 206/208  
MODERATORS: Andres Cardenas, Virginia Hernandez-Gea  

4:30 PM  
151: Continuous Infusion of Terlipressin Is More Effective and Safe Than Bolus Administration in Hvpg Reduction in Patients with Acute Esophageal Variceal Bleed- a Randomised Controlled Trial (NCT02695862)  
Shakti Prasad Choudhury, Ankur Jindal, Rakhi Maiwall, Anand V. Kulkarni, Abhinav Verma, Juned Ahmad khan and Shiv Kumar Sarin  

4:45 PM  
152: Low Risk of Variceal Bleeding in Cirrhotic Patients Undergone Variceal Screening Stratified By Liver and Spleen Stiffness Measurement (LSSM): The Long-Term Follow-up of a Randomized Trial  
Grace L. H. Wong, Raymond Kwok, Arie Josun Hui, Henry Lik Yuen Chan and Vincent Wai Sun Wong  

5:00 PM  
153: Thromboelastography Guided Blood Product Transfusion in Patients with Chronic Liver Disease Undergoing Invasive Liver-Related Procedures: A Randomized Controlled Trial.  
Sudheer Kumar, Shalimar, Shivanand Gamanagatti, Gyanranjan Rout, Ashish Chauhan, Bhaskar Thakur, Saurabh Kedia, Deepak Gunjan and Baibaswata Nayak  

5:15 PM  
154: Dynamic Prediction of the Risk of Decompensation/Death in Patients with Compensated Cirrhosis Based on Serial Hepatic Venous Pressure Gradient (HVPG) Measurements  
Juan G. Abraldes, Guadalupe Garcia-Tsao, Cristina Ripoll, David WM Patch, Norman D. Grace, Jaime Bosch and Roberto J. Groszmann  

5:30 PM  
155: Outcomes in Different Stages of Decompensated Cirrhosis: Influence of Hvpg Changes UNDER β-Blockers  
Marta Garcia-Guiñ, Edilmar Alvarado Tapias, Alba Ardevol Ribaltta, Rosa Montañes Lechina, Berta Cuéllas Espí, Beatriz De Riba Soler, Carlos González-Muñoz, María Poca Sans, Xavier Torras Collell, Carlos Guarner Aguilar and Candido Villanueva Sanchez  

5:45 PM  
156: Early Versus Late Sustained Low Efficiency Dialysis in Critically Ill Cirrhotics with Septic Shock and Acute Kidney Injury- Interim Analysis of an Open Label Randomized Controlled Trial-NCT02937961  
Parallel 22: Alcoholic Liver Disease: Clinical and Translational  
Sunday, November 11  
4:30 PM – 6:00 PM  
Room 154/156  
MODERATORS:  
Mack C. Mitchell  
Rotonya M. Carr  

4:30 PM  
157: Increasing Burden of Alcoholic Liver Disease in the United States with Nearly Four Million Individuals with F2 or Greater Fibrosis in 2013-2016: An Analysis of the National Health and Nutrition Examination Survey (NHANES)  
Terrence Wong, Katherine Dang, Ashwani K. Singal and Robert J. Wong  

4:45 PM  
158: Alcohol Abstinence Ameliorates Abnormalities of Blood Mucosal-Associated Invariant T Cells in Patients with Alcoholic Hepatitis  
Wei Li, Edward Lin, Suthat Liangpunsakul, Sushmita Rane, Sai Chalasani, Jie Lan, Nicole Shepherd, Puneet Puri, Patrick S Kamath, Arun J Sanyal, Vijay Shah, Barry Katz, Svetlana Radaeva, David W. Crabb, Naga P Chalasani and Qigui Andy Yu  

5:00 PM  
159: Novel Predictors of Alcohol Use after Early Liver Transplantation (LT) for Severe Alcohol-Associated Hepatitis (AAH) and Impact on Long-Term (5-Year) Survival  
Brian Lee, Gene Y. Im, John P. Rice, Ethan M. Weinberg, George Therapondos, Hysun Helen Han, David W. Victor, Oren K. Fix, Christine Hsu, Michael D. Voigt, Hanpriya Maddur, Sheila L. Eswaran, Jessica Hause, David P. Foley, Mary E. McCarthy Rinella, R Mark Ghobrial, Nitzan C. Roth, Lisanne Dinges, Jennifer L. Dodge, Neil Mehta, Michael R. Lucey and Norah Terrault  

5:15 PM  
160: Increasing Hospitalizations and Resource Utilization for Alcohol Associated Liver Disease in Young Adults: A Population Based Study  
Page Axley, John M. Provenza, Sudha Kodali, Robert J. Wong, Patrick S Kamath and Ashwani K. Singal  

5:30 PM  
161: Wait-List (WL) Outcomes of Patients with Alcohol-Associated Liver Disease (AALD) Are Superior to Patients with Other Indications for Liver Transplantation (LT): An Analysis of WL Removals  
Jeanne-Marie Giard and Norah Terrault  

5:45 PM  
162: Serial Meld Values over 90 Days after Admission for Alcohol-Associated Hepatitis Predict the Risk of Short-Term Mortality  
Juan G. Abdalbes, Meritxell Ventura-Cots, Guadalupe Garcia-Tsao, Joan Genesca, Francisco J. Bosques, Robert S. Brown, Samuel Ho, Philippe Mathurin, Alexandre Louvet, Debbie L. Shawcross, Victor Vargas, Elizabeth C. Verna, Michael R. Lucey and Ramon Bataller  

Parallel 23: Liver Transplantation: HCC and Other Challenges  
Sunday, November 11  
4:30 PM – 6:00 PM  
Room 153/155  
MODERATORS:  
Helen S. Te  
Josh Levitsky  

4:30 PM  
163: National Experience on Down-Staging of Hepatocellular Carcinoma (HCC) before Liver Transplant (LT): Influence of Initial Tumor Burden, Alpha-Fetoprotein (AFP), and Wait Time on Outcome  
Neil Mehta, Jennifer L. Dodge, Joshua Grab and Francis Yao  

4:45 PM  
164: African Americans Have Significantly Higher Model for End Stage Liver Disease Scores at Time of Liver Transplant Waitlist Registration across All Liver Transplant Regions  
Ann Robinson, Benny Liu, Ashwani K. Singal, Taft Bhuket and Robert J. Wong  

5:00 PM  
165: The Impact of Recent Policy Changes (6-month Mandatory Delay and Cap 34) on Regional Disparities in Liver Transplant (LT) and Waitlist Dropout Rates for Patients with Hepatocellular Carcinoma (HCC)  
Neil Mehta, Jennifer L. Dodge and Francis Yao  

5:15 PM  
166: Multiple Regional Listing Increases Liver Transplant Rates for Those with Meld Score Less Than 15  
Sara Brown, Yulia Savva, Rolf Barth and Paul J. Thuluvath  

5:30 PM  
167: Delayed Early Lactate Clearance after Liver Transplantation: A Propensity Score Matching Study  
Shunjii Nagai, Kazuhiro Takahashi, Mohamed Safwan, Marwan S. Abouljoud and Syed-Mohammed Jafri  

5:45 PM  
168: Evaluation of Early Allograft Dysfunction Following Primary Liver Transplantation: Validation of the Novel Liver Graft Assessment Following Transplantation (L-GrAFT) Risk Score in a Multicenter Cohort  
Vatche G. Agopian, Goran Klintmalm, Giovanna Saracino, William C. Chapman, Neeta Vachharajani, Sander S. Florman, Brandy Haydel, Parissa Tabrizian, Michael P Harlander-Locke, Daniela Markovic and Ronald Busuttil
Parallel 24: Genomics Link to Disease Phenotypes
Sunday, November 11
4:30 PM – 6:00 PM Room 22/23
MODERATORS: Bernd Schnabl Silvia M. Vilarinho

4:30 PM
169: PNPLA3 and TM6SF2 Polymorphisms As Risk Factors of Hepatocellular Carcinoma across Various Etiologies and Severity of Underlying Liver Diseases
Jie Yang, Eric Trépo, Pierre Nahon, Qian Cao, Christophe Moreno, Eric Letouzé, Sandrine Imbeaud, Thierry Gustot, Jacques Deviere, Paulette Bioulac-Sage, Julien Calderaro, Nathalie Ganne, Alexis Laurent, Jean-Frédéric Blanc, Erwan Guyot, Angela Sutton, Marianne Ziol, Jessica Zucman-Rossi and Jean-Charles Nault

4:45 PM
170: A Genomic Approach to Idiopathic Liver Disease in Adults: New Insights into Disease Pathogenesis and New Interventions at Bedside
Silvia M. Vilarinho, Aaron Hakim, Elif Oral, Xuchen Zhang and Pramod K. Mistry

5:00 PM
171: Discovery and Replication of Six New Loci Associated with Gallstone Disease
Helene Gellert-Kristensen, Nawar Dalila, Sune Fallgaard Nielsen, Boerge Groenne Nordestgaard, Anne Tybjaerg-Hansen and Stefan Stender

5:15 PM
172: Unique Serum microRNA Signatures with High Diagnostic Accuracy for Nonalcoholic Steatohepatitis and Bridging Fibrosis.
Priya Handa, James E Nelson, Taek-Kyun Kim, Kai Wang and Kris V. Kowdley

5:30 PM
173: Novel Telomerase Mutations in Patients with Cirrhosis Awaiting Transplantation
Victor Chui, Rachel Hogen, Linda S. Sher, Niquelle Wade, David Conti, Anastasia Martynova, Hongtao Li, Gangning Liang and Casey O’Connell

5:45 PM
174: Plasma Glycoprotein Profile in Liver Transplant Recipients Reveals Enrichment of Inflammatory Proteins with Advancing Chronic Kidney Disease
Pratima Sharma, Pradeep Kayampilly, Venkatesha Basrur, Raji Menon, Hellan Kwon and Subramanium Pennathur

Parallel 25: Health Economics and Patient Centered Outcomes
Sunday, November 11
4:30 PM – 6:00 PM Room 306/308
MODERATORS: Michael A. Dunn Sammy Saab

4:30 PM
175: National Estimates of Overall and Liver-Related Inpatient Care Cost in Cirrhotic Patients with Diverse Etiologies and Ethnicities in the United States (U.S.)
Biyao Zou, Yee Hui Yeo, Donghak Jeong, Ramsey Cheung, Edward Sheen, Haesuk Park, Dong Hyun Lee, Gabriel Garcia and Mindie H. Nguyen

4:45 PM
176: Clinic Visit within 30 Days of Hospital Discharge is Associated with Improved Survival in Cirrhotic Patients
Bhavana Bhagya Rao, Anastasia Sobotka, Rocio Lopez, Carlos Romero-Marrero and William D. Carey

5:00 PM
177: Frailty and Opiate Use Are Strongly Correlated with Quality of Life in Patients with Cirrhosis: A Prospective Study of 300 Outpatients without Hepatic Encephalopathy
Jad Baki, Jane Wong, Neehar Dilip Parikh, Anna S. Lok and Elliot B. Tapper

5:15 PM
178: Association of High-Quality Diets with Reduced Chronic Liver Disease Mortality: Diet Quality Index Analyses in the Multiethnic Cohort
Veronica Wendy Setiawan, Song-Yi Park, Lynne Wilkens, Christopher A Haiman, Carol Boushey and Loic Le Marchand

5:30 PM
179: Prevalence and Long-Term Outcomes of Non-Alcoholic Fatty Liver Disease (NAFLD) Among Lean Individuals without Any Components of Metabolic Syndrome
Pegah Golabi, James Paik, Rashmi Reddy, Gregory Trimble, Chapy Venkatesan and Zobair M. Younossi

5:45 PM
180: Canadian Population-Based Evaluation of the Natural History of Primary Biliary Cholangitis over the Last Decade.
Abdel Aziz M Shaheen, Yuan Dong and Mark Gordon Swain
Parallel 26: Pediatric Hepatology - Clinical
Sunday, November 11
4:30 PM – 6:00 PM        Room 312/314
MODERATORS:        Binita M. Kamath
                                Benjamin L. Shneider

4:30 PM

Noemie Laverdure, Karma Abukasm, Sharmila Khullar, Anne Fournier, Joaquim Miró, Josée Dubois, Dorothée Dal Soglio and Massimiliano Paganelli

4:45 PM

182: Clinical Outcomes of Oral Vancomycin Therapy for Children with Primary Sclerosing Cholangitis in the Pediatric PSC Consortium

5:00 PM

183: Matrix Metalloproteinase 7 (MMP7) As a Biomarker of Sclerosing Cholangitis in Pediatric Autoimmune Liver Disease
Simon Lam, Ruchi Singh, Jonathan Dillman, Suraj D. Serai, Andrew T. Trout, Rachel M. Sheridan, Divya Sharma, Weizhe Su, Burns C Blaxall, Marjia Mavar, Ged Ridgway, Gary Woodward and Alexander G. Miethke

5:15 PM

184: Ledipasvir/Sofosbuvir for 12 Weeks Is Safe and Effective in Children 3 to <6 Years Old with Chronic Hepatitis C Virus Infection.

5:30 PM

185: The Natural Course of Bsep Deficiency: Results from the Global Napped-Consortium

5:45 PM

186: Diagnostic Accuracy of Serum Matrix Metalloproteinase-7 for Biliary Atresia
Li Yang, Ying Zhou, Pei-Pei Xu, Reena Mourya, Hai-Yan Lei, Guo-Qing Cao, Xiao-Li Xiong, Hui Xu, Xu-Fei Duan, Na Wang, Lin Fei, Xiao-Pan Chang, Xi Zhang, Meng Jiang, Jorge A. Bezerra and Shao-Tao Tang
Transplant Hepatology Fellowship Program Director’s Workshop

Sunday, November 11
5:00 PM – 7:00 PM  Room 20/21
Transplant Hepatology Fellowship Program Director’s Workshop

SESSION CHAIRS: Janice Jou
Ian R. Schreibman

2.00 CME Credits

This interactive workshop will examine the current status of transplant hepatology training and use audience participation to assess current and future needs, primarily of program directors, to support trainees. The workshop will also focus on methods to increase trainee access and interest in hepatology and discuss approaches to improve transplant hepatology education.

Learning Objectives:

- Understand the challenges needed to overcome to establish a pilot transplant hepatology fellowship program
- Review Transplant Hepatology fellowship ACGME requirements and discuss ways to implement these requirements
- Guide a transplant hepatology fellow in a job search

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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>5:00–5:15 PM</td>
<td>Establishing Pilot Program – Challenges and Pitfalls</td>
<td>Richard K. Sterling</td>
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<tr>
<td>5:15–5:30 PM</td>
<td>Establishing Pilot Program – Challenges and Pitfalls</td>
<td>Charissa Y. Chang</td>
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<td>5:30–6:00 PM</td>
<td>ACGME Update</td>
<td>Oren K. Fix</td>
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<td>6:00–6:30 PM</td>
<td>Practice Metrics for Transplant Hepatology: What Are They and How Do We Measure Them?</td>
<td>Fasiha Kanwal</td>
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Roundtable Topics for Discussion:

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<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
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<tr>
<td>6:30–6:40 PM</td>
<td>Liver Biopsy Requirement: Should There be One?</td>
<td>Ryan M. Kwok</td>
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<td>6:40–6:50 PM</td>
<td>Resources for Preparing for the Transplant Hepatology ABIM Board Certification Exam</td>
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<td>6:50–7:00 PM</td>
<td>Research: Sharing Successful Strategies for Incorporating 4th Year Fellows in Scholarly Activity</td>
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Early Morning Workshop

**Monday, November 12**

**6:30 AM – 7:30 AM**

**Early Morning Workshop - Monday (Basic)**

Refer to your workshop ticket for meeting room location.

CME Not Offered

Kick-start your day in these highly interactive sessions focusing on a specialized area of liver disease or investigation. Take advantage of this opportunity to network with experts and your peers in a small group setting.

**6:30–7:30 AM**

**EMW 33: Bile Acid Transporters in Liver Disease**

Michael H. Trauner, Benjamin L. Shneider

**EMW 34: Exploring Mechanisms of HCC in NASH**

Yujin Hoshida, Ajay K. Duseja

**EMW 35: New Therapeutic Targets for Hepatitis B**

Jordan J. Feld, Ulrike Protzer

**EMW 36: Modifying Liver Regeneration**

Lopa Mishra, Manuel Morales-Ruiz

**EMW 37: Mechanisms of Disease Resolution**

Steven A. Weinman, Natalia Nieto

**EMW 38: Immunologic and Genetic Factors in Pediatric Acute Liver Failure: Implications for Novel Therapies**

Mike A. Leonis, Estella M. Alonso

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**EMW 39: New Models for Delivery of Care for Hepatitis C – ECHO or Beyond**

Andrew Joseph Muir, Sanjeev Arora

**EMW 40: Management of the Adult Patient with a History of Pediatric Liver Disease**

Kathleen M. Loomes, Michael A. Heneghan

**EMW 41: Assessment of Liver Transplant Candidates: When Is the Risk Too High?**

Michael L. Schilsky, Chirag Desai

**EMW 42: Management Pearls in Acute Liver Failure**

Robert J. Fontana, Norman L. Sussman

**EMW 43: New Approaches to Gastric Varices and Ectopic Variceal Hemorrhage**

Zachary Henry, Andres Cardenas

**EMW 44: Managing Acute and Chronic Liver Disease During Pregnancy**

Monika Sarkar, Grace L. Su

**EMW 45: Mechanisms of Chronic Drug-Induced Liver Injury**

Naga P Chalasani, Paul H. Hayashi

**EMW 46: Current and Future Treatments for NASH**

Rohit Loomba, Alina M Allen

**EMW 47: Cardiopulmonary Complications of Cirrhosis**

Samuel S. Lee, Michael J. Krowka

**EMW 48: Ethics in Academic Medicine: Real-Life Dilemmas**

Stephen D. Zucker, Kenneth E. Sherman
Being an Associate Editor or Editorial Board Member for an AASLD Journal

Monday, November 12
7:00 AM – 8:00 AM Room 312/314
Being an Associate Editor or Editorial Board Member for an AASLD Journal

MODERATOR: Willscott E Naugler
PRESENTER: Gyongyi Szabo
David E. Cohen
Paul Martin
Nancy Reau

CME Not Offered

Join the editors of all four AASLD journals as they share insights on how to work for and with a journal. The role of both the author and the reviewer will be discussed as the editors reveal what they look for in a review, what makes a good review for their specific journals, and how being a great reviewer often translates into being invited to write an editorial or review article. Geared towards first-time authors and early career researchers, this session will also explore the role of Associate and Deputy Editors in the manuscript submission process, with AEs and DEs in attendance to answer questions.

Plenary Session

Presidential Plenary – Clinical Science
Monday, November 12
8:00 AM – 9:30 AM Hall D - General Session
MODERATORS: Ronald J Sokol
Kimberly Ann Brown

8:00 AM
13: Selonsertib in Combination with Prednisolone for the Treatment of Severe Alcoholic Hepatitis: A Phase 2 Randomized Controlled Trial
Philippe Mathurin, Jean-Francois Dufour, Natalie H. Bzowej, Mitchell L. Shiffman, Sarah Arterburn, Tuan Nguyen, Andrew Billin, Chuhan Chung, Mani Subramanian, Robert P. Myers, Gyongyi Szabo, Thierry Thevenot, Matthew E. Cramp, Stephen D Ryder, Herbert Tilg, Christophe Moreno, Mark Richard Th urz and Kosh Agarwal

8:15 AM
14: In a Placebo-Controlled 36-Week Phase 2 Trial, Treatment with Mgl-3196 Compared to Placebo Results in Significant Reductions in Hepatic Fat (MRI-PDFF), Liver Enzymes, Fibrosis Biomarkers, Atherogenic Lipids, and Improvement in Nash on Serial Liver Biopsy
Stephen A. Harrison, Cynthia D. Guy, Mustafa Bashir, Juan Pablo Frias, Naim Alkhouri, Seth Baum, Rebecca A. Taub, Cynthia A. Moylan, Meena B. Bansal, Brent A. Neuschwander-Tetri and Sam Moussa

8:30 AM
15: Predictors of Outcome in Children with Biliary Atresia Surviving with Native Liver at Two Years of Age

8:45 AM
16: Interim Results of a Multicentre, Open-Label Phase 2 Clinical Trial (MYR203) to Assess Safety and Efficacy of Myrcludex B in Combination with Peg-Interferon Alpha 2a in Patients with Chronic HBV/Hdv Co-Infection
Heiner Wedemeyer, Katrin Schöneweis, Pavel O Bogomolov, Natalia V Voronkova, Vladimir Chulanov, Tatyana Stepanova, Birgit Bremer, Patrick Lehmann, Regina Raupach, Lena Alleiss, Maura Dandri, Sandra Ciesek, Ulf Dittmer, Walter E. Hae feli, Alexander Alexandrov and Stephan Urban

9:00 AM
17: Prediction and Need for Surveillance of Hepatocellular Carcinoma (HCC) Development after the First 5 Years of Entecavir (ETV) or Tenofovir Disoproxil Fumarate (TDF) Therapy in Caucasian Chronic Hepatitis B (CHB) Patients of the PAGE-B Cohort

9:15 AM
18: High Svr in Pwids with HCV Despite Imperfect Medication Adherence: Data from the Anchor Study.
Sarah Kattakuzhy, Poonam Mathur, Chloe Gross, Rachel Silk, Kristi Hill, Laura Nu ssdorff, Chloe S Chaudhury, David Stemberg, Henry Masur, Shyamasundar Kottili and Et lane Rosenthal
Poster Session IV

Monday, November 12
8:00 AM – 5:30 PM   Hall C - Poster Hall

Refer to page 227A for Poster Session IV Presentations.

Presenters in Attendance
12:30 – 2:00 PM

Parallel Session

Parallel 27: Liver Fibrogenesis and Matrix Biology
Monday, November 12
8:30 AM – 10:00 AM   Room 214/216
MODERATORS: Natalie J. Torok, Gavin E Arteel

8:30 AM
187: Matrisome Analysis of Hepatocellular Carcinoma and Cirrhosis Highlights a New Group of Tumors Expressing a Cancer-Specific Extracellular Matrix Signature Associated with Poor Outcome in Humans
Romain Desert, Alexandra Naba, Orlando Musso and Natalia Nieto

8:45 AM
188: Regulation of NF-κb-Induced Inflammatory Signaling By microRNA-21 in Hepatic Stellate Cells during Alcoholic Liver Injury
Nan Wu, Kelly M. McDaniel, Tianhao Zhou, Sugeily Ramos-Lorenzo, Heather L. Francis, Shannon Glaser, Gianfranco Alpini and Fanyin Meng

9:00 AM
189: Matrix Stiffness Regulate Liver Sinusoidal Endothelial Cells (LSECs) Function: Importance for Liver Fibrosis Progression
Vaishaali Natarajan, Carol A. Casey, Ed Harris and Srivatsan Kidambi

9:15 AM
190: ECM1, a Gate Keeper in Liver Restraining TGF-β Activation to Maintain Homeostasis and to Prevent Fibrogenesis
Weiguo Fan, Bing Sun and Tianhui Liu

9:30 AM
191: Thrombin-Mediated Fibrin Polymer Formation Does Not Exacerbate Experimental Hepatic Fibrosis
Lauren Poole, Asmita Pant, Kevin S. Baker, Anna K. Kopec, Holly M. Cline-Fedewa, Siiri E. Ismaa, Matthew J. Flick and James P. Luyendyk

9:45 AM
192: PDGF-BB Promotes Hepatic Stellate Cell-Derived EV Release through SHP2 Dependent Activation of mTOR Signaling.
Enis Kostallari, Sheng Cao and Vijay Shah
Parallel 28: Cellular Biology in Liver Transplantation  
Monday, November 12  
8:30 AM – 10:00 AM Room 153/155  
MODERATORS: Sanjeev Gupta, TBD

8:30 AM
193: Antagonism of Sulfonylurea K\textsubscript{ATP} Channel Subunit in Donor Hepatocytes Enhances Their Capacity for Liver Repopulation By Improving Mitochondrial Health  
Fadi-Luc Jaber, Yogeshwar Sharma and Sanjeev Gupta

8:45 AM
194: Transplantation of Human Ips Cell-Derived Hepatocyte-like Cells and Endothelial Cells with Peptide Hydrogel Decreases Hepatic Fibrosis in Mice with Chronic Liver Fibrosis  
Toru Nakamura, Hironori Koga, Atsutaka Masuda, Hideki Iwamoto, Mitsuhiko Abe, Takahiko Sakaue, Toshimitsu Tanaka and Takui Torimura

9:00 AM
195: Protective Effects of an HDAC6-Specific Inhibitor, Tubastatin-a, in Liver Ischemia Reperfusion Injury (IRI) and Acetaminophen-Mediated Liver Injury  
Seth Concors, Douglas Murken, David D Aufhauser, Zhonglin Wang, Guanghui Ge, Tricia Bhatti, Alan Kozikowski, Wayne W Hancock and Matthew H. Levine

9:15 AM
196: In Vitro and In Vivo Administration of PPAR-\gamma Agonist Reduces M1-Nitric Oxide+ Macrophage Phenotype and Ameliorates Hepatic Ischemia Reperfusion Injury  
Ivan Linares, Agata Bartczak, Kaveh Farrokh, Xue Zong Ma, Dagmar Kollmann, Peter Urbanellis, Matyas Hamar, Moritz Kaths, Juan Echeverri, Sujani Ganesh, Oyedele A. Adeyi, Markus Selzner and Nazia Selzner

9:30 AM
197: Graft Derived Cell-Free DNA As a Non-Invasive Biomarker to Track Early Rejection of Transplanted Primary Human Hepatocytes  
Charlotte Lee, Anil Dhawan, Rangai R Mitry, Najeem’deen Folarin, Nicholas Lea, Carl Jorns, Ewa Ellis, Roberto Gramignoli, Stephen C. Strom and Emer Fitzpatrick

9:45 AM
198: Kinetics of Cytomegalovirus Specific Polyfunctional T-Cell Responses Associated with Control of CMV Reactivation after Liver Transplantation.  
Àngiela Carvalho-Gomes, Victoria Aguileria, Carmina Pallarés, Almudena Cubells, Marina Berenguer and F. Xavier López-Labrador

Parallel 29: HCV Virology, Pathogenesis and Immunology  
Monday, November 12  
8:30 AM – 10:00 AM Room 22/23  
MODERATORS: Raymond T. Chung, Steven A. Weinman

8:30 AM
199: Targeting HCV-Induced Epigenetic Reprogramming for HCC Chemoprevention Post Cure  
Nourdine Hamdane, Frank Juehling, Christine Thumann, Shen Li, Houssein El Saghire, Emile Crouchlet, Simonetta Bandiera, Antonio Saviano, Atsushi Ono, Irwin Davidson, Ricard Masia, Gunisha Arora, Nabeel M. Bardeesy, Christian Schmidl, Christoph Bock, Hiroshi Aikata, Kazuaki Chayama, Tujana Boldanova, Patrick Pessaux, François Habersetzer, Tullio Piardi, Daniele Sommacale, Yujin Hoshida, François H. T. Duong, Mirjam B. Zeisel, Bryan C. Fuchs and Thomas F. Baumert

8:45 AM
Masayuki Kuroskou, Jun Itakura, Hiroyuki Nakanishi, Takao Shimizu, Kaoru Tsuchiya and Namiki Izumi

9:00 AM
201: Ifitm-Mediated Viral Immune Evasion in Acute and Chronic Hepatitis C Virus Infection  
Florian Wrensch, Laura Heydmann, Gaetaan Ligat, Mirjam B. Zeisel, Patrick Pessaux, François Habersetzer, Bamabas J. King, Alexander W. Tarr, Jonathan K. Ball, Zhen-Yong Keck, Catherine Schuster, Steven Foung and Thomas F. Baumert

9:15 AM
202: HCV-RNA Is Readily Detectable in Nasal and Rectal Fluids of Patients with High Viremia  
David Chromy, Ralf Schmidt, Mattias Mandorfer, Gerold Lang, Theresia Popow-Kraupp, Thomas Reiberger and Florian Mayer

9:30 AM
203: Chronic Hepatitis C Infection Elicits a Poly-Functional T Cell Immune Response at the Maternal/Fetal Interface to Limit Vertical Transmission  
Matthew A. Burchill, Rachel McMahan, Christine Waasdorp, Hurtado, Rachael Dran, Mona Krull, Lucy Golden-Mason and Hugo R. Rosen

9:45 AM
204: A Real World Resistance Profile of Virologic Failures Collected from an International Collaboration (SHARED)  
Anita Howe, Valeria Cento, Nathaniel Knight, Julia Dietz, Velia Chiara DiMaio, Adolfo De Salazar, Stephanie Popping, Slim Fourati, Elena Knops, Miodr Kjellin, Murat Sayan, Oma Mor, Robert J. De Knecht, Robert Mitchell, Edward V. Tam, Rohit Pai, Oscar Octavio Cruz Pereira, Johan Lennsterstrand, Gary P. Wang, Alexander Wong, Milosz Parczewski, Tanya Applegate, Alnoor Ramji, Carlo Federico Perno, Rolf Kaiser, Charles AB Boucher, Jordan J. Feld, Jean-Michel Pawlotsky, Federico Garcia, Francesca Ceccherini-Silberstein, Christoph Sarrazin and Richard Harrigan
Parallel 30: Experimental Cholestasis and Animal Models
Monday, November 12
8:30 AM – 10:00 AM Room 306/308
MODERATORS: Grace L. Guo
Alexander G. Miethke

8:30 AM
205: Cytoglobin Suppresses Liver Injury and Fibrosis in Bile Duct Ligated Mice By Regulating Nitrosative and Oxidative Stress
Thuy Thi Thanh Le, Nguyen Thi Thanh Hai, Hoang Hai, Dinh Viet Hoang, Katsutoshi Yoshizato and Norifumi Kawada

8:45 AM
206: Absence of Bsep (ABCB11) Protects MDR2 (ABCB4) KO Mice from Cholestatic Liver and Bile Duct Injury through Anti-Inflammatory Bile Acid Composition and Signaling
Claudia Daniela Fuchs, Veronika Mlitz, Gustav Paumgartner, Matteo Tardelli, Moritz Menz, Susanne Wolfrum, Annika Wahlström, Marcus Stählin, Tatjana Stojakovic, Christian Wolfrum, Hanns-Ulrich Marschall and Michael H. Trauner

9:00 AM
207: Mice Lacking Monoacylglycerol Lipase Are Protected from Hepatic Inflammation and Biliary Fibrosis in Ddc-Induced Sclerosing Cholangitis.
Matteo Tardelli, Francesca Virginia Bruschi, Thierry Claudel, Claudia Daniela Fuchs, Nicole Auer, Victoria Kunczer, Tatjana Stojakovic, Onne A.H.O. Ronda, Henkjan J. Verkade, Sophie Lotersztajn and Michael H. Trauner

9:15 AM
208: Treatment Response of Murine Sclerosing Cholangitis to Systemic Versus Intestinal FXR Agonists Segregates with Their Effects on Hepatic Pro-Inflammatory Cytokine Production
Tiffany Shi, Louis Matuschek, Celine Silva Lages, Ramesh Kudira, Mary Mullen, Alvaro Ortiz, Kyong-Jin Lee, Douglas Zook, Brandee Wagner and Alexander G. Miethke

9:30 AM
209: Administration of Serotonin Receptor 2A/2B/2C Antagonists Decreases Ductular Reaction and Hepatic Fibrosis in the Mdr2-/- Mouse Model of Primary Sclerosing Cholangitis (PSC).
Konstantina Kyritsi, April O’Brien, Tori White, Lixian Chen, Fanyin Meng, Juliet Venter, Nan Wu, Tianhao Zhou, Gianfranco Alpini and Shannon S. Glaser

9:45 AM
210: Depletion of microRNA-21 Attenuates Biliary Damage Via Regulation of Von Hippel-Lindau and Nuclear Factor-Kb in Liver Macrophages during Experimental Cholestatic Liver Injury
Keisaku Sato, Juliet Venter, Thao Giang, Shannon S. Glaser, Gianfranco Alpini and Fanyin Meng

AASLD Distinguished Awards

Monday, November 12
9:30 AM – 10:00 AM Hall D - General Session

Distinguished Achievement Award (DAA)

9:30 AM – 9:40 AM
RECIPIENT: Arun J. Sanyal, MD, FAASLD
PRESENTER: Mary E. McCarthy Rinella, MD, FAASLD

Distinguished Clinician Educator/Mentor Award (DCEMA)

9:40 AM – 9:50 AM
RECIPIENT: Patrick S. Kamath, MD
PRESENTER: Alina M. Allen, MD

Distinguished Service Award (DSA)

9:50 AM – 10:00 AM
RECIPIENT: Adrian M. Di Bisceglie, MD, FACP, FAASLD
PRESENTER: Michael W. Fried, MD, FAASLD
Exhibit Hall Open

Monday, November 12
9:30 AM – 3:00 PM  Hall B - Exhibit Hall

Hyman J. Zimmerman Hepatotoxicity State-of-the-Art Lecture

Monday, November 12
10:00 AM – 10:30 AM  Hall D - General Session
Hyman J. Zimmerman Hepatotoxicity State-of-the-Art Lecture
MODERATOR: Raymond T. Chung
0.50 CME Credits

Learning Objectives:
- Identify which medications and herbal agents are commonly associated with DILI in CLD
- Recognize how to monitor for DILI in patients with CLD in clinical trials
- Understand suggested guidelines for adjudicating suspected DILI events in patients with CLD

Patients with underlying chronic liver disease (CLD) may develop drug-induced liver injury during clinical care or in clinical trials, and it is associated with poor outcomes. This lecture discusses medications and herbal agents that are commonly implicated in DILI, risk factors, strategies for monitoring patients in clinical trials, guidelines for adjudicating suspected DILI events and outcomes associated with DILI in CLD.

Coffee Break

Monday, November 12
10:00 AM – 11:00 AM  Hall B - Exhibit Hall
Parallel Session

Parallel 31: HBV: Epidemiology and Prevention
Monday, November 12
10:30 AM – Noon Room 24/25
MODERATORS: Patrick Marcellin
Henry Lik Yuen Chan

10:30 AM
211: Development of National Hepatitis B Quality Metrics in the U.S. Department of Veterans Affairs: A Population-Based Approach to Health Systems Improvement
Marissa Maier, Lauren A. Beste, Elliott Lowy, Michael F. Chang, Maggie Chartier and Timothy R Morgan

10:45 AM
212: Incidence and Predictors of HBsAg Seroclearance in 10,614 Untreated Patients on Long-Term Follow-up: A Collaborative Study from North America and Asia Pacific
Yee Hui Yeo, Hsiu J. Ho, Hwai-Yang, Tai-Chung Tseng, Huy N. Trinh, Young Min Park, Tetsuya Hosaka, Min-Sun Kwak, James Fung, Teerapat Ungrtrakul, Ming-Lung Yu, Jiayi Li, An K. Le, Tassanee Sriprayoon, Tawesak Tanwandee, Man-Fung Yuen, Hyo-Suk Lee, Fumitaka Suzuki, Mariko Kobayashi, Jia-Hong Kao, Chun-Ying Wu and Mindie H. Nguyen

11:00 AM
213: Predictive Factors Associated with Hepatocellular Carcinoma Incidence and Mortality after Hepatitis B Surface Antigen Seroclearance in Patients with Chronic Hepatitis B
Tetsuya Hosaka, Fumitaka Suzuki, Masahiro Kobayashi, Shunichiro Fujiyama, Yusuke Kawamura, Hitomi Sezaki, Norio Akuta, Yoshiyuki Suzuki, Satoshi Saitoh, Yasuji Arase, Kenji Ikeda, Mariko Kobayashi and Hiromitsu Kumada

11:15 AM
Tatiana Kushner, Zhen X Chen, Stacy Tressler, Harvey Kaufman, Edward C Jones-López, Judith Feinberg and Norah Terrault

11:30 AM
215: The Majority of Previously Uninfected High-Risk Adults in the United States Do Not Have Immunity Against Hepatitis B Virus: A Population-Based Study
Yee Hui Yeo, Michael Le, Ellen T. Chang, Linda Henry and Mindie H. Nguyen

11:45 AM
216: Approaches to Hepatitis B Vaccination Nonresponse
Beshoy Yanny, Peter Konyen, Lisa Najarian, Amanda Miltry, Mira Mikhail and Sammy Saab

Parallel 32: Complications of Cirrhosis III
Monday, November 12
10:30 AM – Noon Room 206/208
MODERATORS: Brett E. Fortune
Patrick Grant Northup

10:30 AM
217: Frailty Predicts Waitlist Mortality Independent of Ascites and Hepatic Encephalopathy: From the Multi-Center Functional Assessment in Liver Transplantation (FrAILT) Study

10:45 AM
218: Bariatric Surgery Is Associated with Increased Mortality in Compensated and Decompensated Cirrhosis: A Population-Based Study
Connor Griffin, Lauren Hall, Jeanette Hasse, Ranjeeta R. Bahirwani, James F. Trotter, Sushma Sharma, Gregory McKenna, Sushil Kumar Garg, Michael D. Leise and Sumeet K. Asrani

11:00 AM
219: Comparison of Long-Term Outcomes after Transcatheter and Surgical Aortic Valve Replacement in Cirrhotic Patients

11:15 AM
220: Incidence and Predictors of Hepatic Encephalopathy in a Population-Based Cohort of Older Americans with Cirrhosis: Role of Opiates, Benzodiazepines and Proton-Pump Inhibitors (PPIs)
Elliott B. Tapper, James Henderson, Jad Baki, Neehar Dilip Parikh and Anna S. Lok

11:30 AM
221: Reduced Serum Sphingolipids Constitute a Molecular Signature of Malnutrition in Hospitalized Patients with Decompensated Cirrhosis
Vikrant Rachakonda and Jaideep Behari

11:45 AM
222: Growth Hormone Therapy in Decompensated Cirrhosis: A Randomized Pilot Study
Sunita Kumari, Bidyalaxmi Leishangthem, Akash Singh, Arka De, Naveen Kalra, Pinaki Dutta and Virendra Singh
Parallel 33: HCV Therapy in Unique Populations
Monday, November 12
10:30 AM – Noon Room 154/156
MODERATORS: Elizabeth C. Verna
Mitchell L. Shiffman

10:30 AM
223: Lung Transplantation from HCV-Infected Donors to HCV-Uninfected Recipients
Jordan J. Feld, Atul Humar, Lianne Singer, Deepali Kumar, Ilona Bahinskaya, Magdalena Kuczynski, Thomas Waddell, Shaf Keshavjee and Marcelo Cyprel

10:45 AM
224: Improved Short-Term Survival in HCV Seropositive Kidney Transplant Recipients during the Daa Era in the United States
Katherine Wong, George Cholankeril, Chiranjeevi Gadiarthi, Ponnandai Somasundar, Stephan Busque, Carlos O. Esquivel and Ajaz Ahmed

11:00 AM
225: Multispecialty Collaboration Benefits Efforts at Expanding Donor Pools: Transplanting HCV Positive Grafts into HCV Negative Heart Transplant Recipients
Heather O'Dell, Callie Darragh, Sarah Smith, Kelly Schliendorf, Ashish Shah, Joseph A. Awad, Alicia Carver, Cori Edmonds and Chan Y. Chung

11:15 AM
226: High Efficacy of Glecaprevir/Pibrentasvir in Patients with Chronic HCV GT1 Infection Who Failed Prior Treatment with NS5A-Inhibitor Plus Sofosbuvir Regimens

11:30 AM
227: Real-World Effectiveness of Sofosbuvir/Velpatasvir/Voxilaprevir in 573 Treatment-Experienced Patients with Hepatitis C Genotypes 1 through 4
Pamela S. Belperio, Troy Shahoumian, Timothy Loomis, Larry Mole and Lisa I. Backus

11:45 AM
228: Graft Survival after Liver Transplantation for Hepatitis C Is Similar to Recipients without Hepatitis C in the Direct-Acting Antiviral Era
Thomas Cotter, Sonali Paul, Burhaneddin Sandikci, Thomas Couri, Ester C. Little, Vinay Sundaram, Adam Bodzin and Michael R. Charlton

Parallel 34: Microbiome: Influence on Disease Phenotype
Monday, November 12
10:30 AM – Noon Room 22/23
MODERATORS: Mamatha Bhat
Bernd Schnabl

10:30 AM
229: Aged Gut Microbiota Is Implicated in Hepatic Inflammation and Metabolic Disease in a Sex-Dependent Manner
Lili Sheng, Prasant Kumar Jena and Yu-Jui Y. Wan

10:45 AM
230: Fecal Microbiotas from Patients with Cirrhosis Show a Low Capacity for Short Chain Fatty Acids Production
Mingliang Jin, Edward Deehan, Nami Baskota, Sylvia Kalainy, Diana Chiang, Chelsea McDougall, Puneeta Tandon, Carlos Cervera, Ines Martinez, Jens Walter and Juan G. Abraldes

11:00 AM
231: Specific Gut Microbiota Patterns Are Linked with Different Cognitive Testing Strategies in Covert Hepatic Encephalopathy
Jasmohan S. Bajaj, Andrew Fagan, Melanie White, Douglas M. Heuman, Michael Fuchs, Binu John, Chathur Acharya, Masoume Baskota and Patrick M Gilleve

11:15 AM
Joseph Dempsey, Dongfang Wang, Haiwei Gu, Deepak K. Bhatt, Bhagwat Prasad and Julia Yue Cui

11:30 AM
233: Oral Fungal and Bacterial Proportions in Patients with Non-Alcoholic Fatty Liver Disease (NAFLD) and Hepatic Fibrosis
Rohini Mehta, Sasha Stoddard, James M. Estep, Pehag Golabi, James Paik, Hussain Alliwa, Brian P. Lam, Aybike Birerdinc, Wisna’Odom Keo, Punetinder Mann, Ingrid Schneider and Zobair M. Younossi

11:45 AM
234: Gut Microbiota in Primary Sclerosing Cholangitis Is Characterized By Specific Composition of Fungi
Lukas Bajer, Natalie Galanova, Martin Kostovick, Miloslav Kverka, Klara Klimesova, Klara Chmelova, Julius Spicak and Pavel Drastich
Parallel 35: Pediatric Liver Transplantation  
Monday, November 12  
10:30 AM – Noon  
Room 312/314  
MODERATORS:  
Vicky Lee Ng  
Shikha Sundaram  

10:30 AM  
235: Biliary Stricture Management and Outcomes Post-Liver Transplantation in Children: A Report from Studies of Pediatric Liver Transplantation (SPLIT)  
Pamela L. Valentino, Vicky Lee Ng, John C. Bucuvalas, Amy Feldman, Regino P Gonzalez-Peralta, Nitika Arora Gupta, Tamir A. Miloh, Saeed Mohammad, Erika Pace, Shikha Sundaram, Nada A. Yazigi and Kyle Soltys  

10:45 AM  
236: Functional Impairment Is an Independent Predictor of Waitlist and Post-Transplant Mortality in U.S. Pediatric Liver Transplant Recipients  
Emily J. Rothbaum Perito, John C. Bucuvalas and Jennifer Cindy Lai  

11:00 AM  
237: Defining and Characterizing Pediatric Acute-on-Chronic Liver Failure in the US Population  
Elizabeth Godfrey, Moreshwar Desai, Fong Lam, Abbas Rana and Tamir A. Miloh  

11:15 AM  
238: Influence of Donor Age on Outcomes after Pediatric Liver Transplantation: Lessons Learnt from SPLIT  
Vicky Lee Ng, George V. Mazariegos, Simon P. Horslen, Sue V. McDiarmid, Jinson Erinjeri and Ravinder Anand  

11:30 AM  
239: The Impact of Graft Type onOutcome in Pediatric Liver Transplantation: An Updated Report from 2011-2017 from the Studies of Pediatric Liver Transplantation (SPLIT) Group  
Abigail E. Martin, Amy Feldman, Tomoaki Kato, Vicky Lee Ng, Trevor Reichman, Pamela L. Valentino, Ravinder Anand, Ashutosh Gupta, Sarah G Anderson and Debra L Sudan  

11:45 AM  
240: Immunization Rates at the Time of Pediatric Liver Transplant: A Prospective Multicenter Study through the Studies of Pediatric Liver Transplantation (SPLIT) Group  
Amy Feldman, Shikha Sundaram, Brenda L Beaty, Donna J Curtis, Richard Torres and Allison Kempe  

Advances for Practitioners  
Monday, November 12  
10:30 AM – 12:30 PM  
Room 157/160  
Advances in Management of Cirrhosis  

SESSION CHAIRS:  
Guadalupe Garcia-Tsao  
Zobair M. Younossi  

2.00 CME Credits / 2.00 ABIM MOC Points  

This program will review the most recent advances in the clinical management of patients with cirrhosis. Topics of discussion include the use of beta blockers, anticoagulants and albumin for managing different complications of cirrhosis. Additionally, the most updated recommendations regarding screening issues for patients with cirrhosis will be reviewed.  

Learning Objectives:  
- List the essential screening and monitoring procedures in patients with cirrhosis  
- Describe current recommendations regarding the use of beta-blockers and albumin in patients with cirrhosis and ascites  
- Identify patients with cirrhosis and portal vein thrombosis who require anticoagulation  

10:30–10:50 AM  
Screening Issues in Cirrhosis  
Michael B. Fallon  

10:50–11:00 AM  
Panel Discussion  

11:00–11:20 AM  
Use of Non-Selective Beta-Blockers in Cirrhosis  
Juan G. Abraldes  

11:20–11:30 AM  
Panel Discussion  

11:30–11:50 AM  
Use of Albumin in Cirrhosis  
Guadalupe Garcia-Tsao  

11:50 AM–12:00 PM  
Panel Discussion  

12:00–12:20 PM  
Anticoagulation in Cirrhosis  
Nicolas M. Intagliata  

12:20–12:30 PM  
Panel Discussion
Plenary Session

**Presidential Plenary – Basic Science**
**Monday, November 12**

11:00 AM – 12:30 PM Room 214/216
MODERATORS: Jorge A. Bezerra
Harmeet Malhi

11:00 AM
19: The Mechanism of Hepatic Stellate Cell Inactivation during Reversal of Liver Fibrosis
Xiao Liu, Sara Brin Rosenthal, Linshan Shang, Nairika Meshgin, Christopher Benner, Sven Heinz, David A. Brenner and Tatiana Kisseleva

11:15 AM
20: Generation of Bio-Engineered Biliary Tissue Using Primary Extrahepatic Cholangiocytes and Decellularized Porcine Bile Ducts
Teresa Brevini, Walid Al-Akkad, Alessandro Pellegrata, Olivia Tysoe, Emma Chen, Luca Freguelli, Massimo Pinzani, Paolo De Coppi, Kourosh Saeb-Parsy, Ludovic Vallier, Giuseppe Mazza and Fotios Sampaziotis

11:30 AM
21: Nfκb Suppression of LRH1 and Subsequent ABCG5/8 Suppression Are Involved in the Pathogenesis of Parenteral Nutrition Associated Cholestasis
Swati Ghosh, Michael W Devereaux, Aimee L Anderson, Karim C. El Kasi and Ronald J Sokol

11:45 AM
22: Mast Cells (MCs) Regulate Bile Acid Synthesis during Cholestatic Liver Injury Via FXR/SHP Signaling and Inhibition of MC-Derived FXR Decreases Hepatic Damage and Fibrosis
Vik Meadows, Laura Hargrove, Jennifer Demievile, Lindsey Kennedy, Steven Smith and Heather L. Francis

12:00 PM
23: PDK4-Deficiency Reprograms Intrahepatic Glucose and Lipid Metabolism to Facilitate Liver Regeneration in Mice
Jianguo Wu, Yulan Zhao and Li Wang

12:15 PM
24: Epigenetic Dysregulation of HNF4a-Dependent Transcripome in Alcoholic Hepatitis
Josepmaria Argemi, Veronica L. Massey, Joaquin Cabezas, Gemma Odena, Juan Jose Lozano, Stephen R Atkinson, Karoline Lackner, Peter Stärkel, Alexandre Louvet, Laurent Dubuquoy, Constatino Fondevila, Sheng Cao, Juan Pablo Arab, Meritxell Ventura-Cots, Jose Altamirano, Juan Caballeria, Mark Richard Thursz, Vijay Shah, Pau Sancho-Bru, Philippe Mathurin, Jelena Mann and Ramon Bataller
### Women’s Networking Luncheon

**Monday, November 12**

12:30 PM – 2:00 PM  
**Women’s Networking Luncheon**

Refer to your luncheon ticket for meeting room location.

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
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<tbody>
<tr>
<td>12:30–2:00 PM</td>
<td>Table 3: Clinical Research: Secrets to Staying on Track (Mid-Career)</td>
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<tr>
<td>12:30–2:00 PM</td>
<td>Kathleen E. Corey, Lopa Mishra</td>
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<td>12:30–2:00 PM</td>
<td>Table 4: Clinical Research: Getting It Off the Ground (Junior Faculty)</td>
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<tr>
<td>12:30–2:00 PM</td>
<td>Marina Berenguer, Kymberly Watt</td>
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<td>12:30–2:00 PM</td>
<td>Table 5: Establishing a Mentor-Mentee Relationship</td>
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<tr>
<td></td>
<td>Mary E. McCarthy Rinella, Maria D. Hernandez</td>
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</tbody>
</table>

CME Not Offered

This luncheon is designed to highlight prominent women in hepatology and to give trainees and junior fellows an opportunity to hear about the successes and challenges in their more seasoned colleagues’ careers, as well as to network and discuss issues relevant to their areas of expertise. These are round table discussions giving the attendees the opportunity to rotate three times throughout the 90- minute session to hear about hot topics relating to women in hepatology.

#### Sessions

- **12:30–12:45 PM**  
  How to Create Your Niche  
  Marina Berenguer, Tram T. Tran, Gyongyi Szabo

- **12:30–2:00 PM**  
  Table 1: Contract Negotiations and Grant Writing  
  Kimberly Ann Brown, Natalie J. Torok

- **12:30–2:00 PM**  
  Table 2: Private Practice Hepatology: How to Make It Work  
  Natasha Chandok, Jennifer E. Guy

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### HHS

**Monday, November 12**

12:30 PM – 2:30 PM  
**The Elimination of Viral Hepatitis: What Are The Policy Issues?**

**SESSION CHAIR:** Rohit S Satoskar

CME Not Offered

Enormous scientific progress has been made toward the elimination of viral hepatitis. There is a highly effective vaccine against hepatitis B and a cure for hepatitis C. The issue moving forward is less about science and more about strengthening relevant public policies and solidifying the political will that would be needed to reach the goal of elimination. This session will be designed to address this issue in the US from the speakers’ various perspectives, with some comparison to global efforts.

**Learning Objectives:**

- Understanding US policy related to the elimination of viral hepatitis.
- Understanding international perspective on viral hepatitis elimination.
- Understanding the patient perspective on viral hepatitis elimination.

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<th>Time</th>
<th>Topic</th>
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<tbody>
<tr>
<td>12:30–12:35 PM</td>
<td>Welcoming Remarks</td>
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<tr>
<td>12:35–1:00 PM</td>
<td>Eliminating Viral Hepatitis: HHS's Perspective on the Issues</td>
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<td>Vanilla Singh</td>
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<tr>
<td>1:00–1:25 PM</td>
<td>Providers’ and Patients’ Views on Eliminating Viral Hepatitis</td>
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<td>Su H Wang</td>
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<tr>
<td>1:25–1:50 PM</td>
<td>The VA's Aggressive Steps to Address Viral Hepatitis</td>
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<td></td>
<td>Timothy R Morgan</td>
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<tr>
<td>1:50–2:15 PM</td>
<td>The Global Challenges of Eliminating Viral Hepatitis</td>
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<td></td>
<td>Nick Walsh</td>
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<tr>
<td>2:15–2:30 PM</td>
<td>Panel Discussion</td>
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</tbody>
</table>
Snack Break

**Monday, November 12**
1:30 PM – 2:30 PM  Hall B - Exhibit Hall

**Hans Popper Basic Science State-of-the-Art Lecture**

**Monday, November 12**
2:00 PM – 2:30 PM  Hall D - General Session

**Hans Popper Basic Science State-of-the-Art Lecture**

**MODERATOR:** Jorge A. Bezerra

0.50 CME Credits

Hans Clevers, MD, PhD, will describe his groundbreaking research in the development of organoid technology and how it can be applied to liver and biliary disease. His lecture will focus on organoids developed from bile duct cells and hepatocytes, and applications for disease modeling in cancer, hereditary disease and regenerative medicine strategies.

**Learning Objectives:**
- Recognize the background of stem cell-grown organoids
- Understand the application of liver organoids for disease modeling
- Understand the application of liver organoids for regenerative strategies

2:00–2:30 PM  Hepatocyte and Bile Duct Organoids As Models for Liver Research
Hans Clevers
Parallel Session

Parallel 36: Hepatitis B: Biomarkers, Pathogenesis, and New Targets
Monday, November 12
2:00 PM – 3:30 PM  Room 214/216
MODERATORS: Marc G. Ghany  Mindie H. Nguyen

2:00 PM
241: CXCL13 and IL-21 Are Potential Biomarkers Associating with HBsAg Loss in Patients with Acute or Chronic Hepatitis B
Sachiyo Yoshio, Hirohoshi Doi, Tomonari Shimagaki, Yuzuru Sakamoto, Hironori Kawai, Yosuke Osawa, Masaaki Korenaga, Eiji Mita, Keiko Katayama, Junko Tanaka and Tatsuya Kanto

2:15 PM
242: Disease Progress-Associated Evolution of Hepatitis B Virus Core Protein Driven By CD8+ T-Cell Responses
Jingmin Zhao, Yu Zhang and Songdong Meng

2:30 PM
243: Interference Mechanism of Hepatitis B Virus (HBV) and Hepatitis C Virus HCV Via RIG-I like Helicase (RLH) Pathways.
Kazuhiro Murai, Hayato Hikita, Makoto Fukuoka, Kaisuke Fukutomi, Takuo Yamai, Katsuki Nakabori, Hiroshi Suemizu, Ryoko Yamada, Takahiro Kodama, Ryotaro Sakamori, Tomohide Tatsumi and Tetsuo Takehara

2:45 PM
244: Prenylation Inhibition of the Large Hepatitis Delta Virus Antigen Leads to Intracellular Accumulation of Viral RNA and Enhanced Innate Immune Responses
Florian Lempp, Franziska Schlund, Lisa Rieble, Lea Nussbaum, Corinna Link, Yi Ni and Stephan Urban

3:00 PM
245: Probing Novel HBV Therapies Using Fine Needle Aspirates to Sample Compartmenalised Liver-Resident Immunity and Hepatocytes
Upkar Singh Gill, Laura J. Pallett, Niclas Thomas, Alice R. Burton, Kerstin A. Stegmann, Patrick T. F. Kennedy and Mala K. Maini

3:15 PM
246: Discovery of a Novel Therapeutic Agent Targeting HBx-DDB1 Interaction for HBV Cure.
Kazuma Sekiba, Motoyuki Otsuka and Kazuhiko Koike

Parallel 36A: Clinical Hepatology Potpourri
Monday, November 12
2:00 PM – 2:30 PM  Room 154/156
MODERATORS: Mark J Czaja  TBD

2:00 PM
2378: Effects of Hypercholesterolemia and Statin Exposure on Survival in a Large National Cohort of Patients with Cirrhosis
David E. Kaplan, Basile Njei, Marina Serper, Tamar H. Taddei, Binu John, Rajni Mehta, Ayse Aytaman, Kristel K. Hunt, Jeffrey H. Albrecht and Rena K. Fox

2:15 PM
2379: Pharmacokinetics, Safety, and Efficacy of Glecaprevir/Pibrentasvir in Pediatric Patients with Genotypes 1-6 Chronic HCV Infection: Part 1 of the Dora Study
Maureen M. Jonas, Robert H. Squires, Susan Rhee, Chih-Wei Lin, Kazuhiro Bessho, Cornelia Feiterna-Sperling, Loreto Hierro, Deirdre A. Kelly, Simon C. Ling, Tatiana Stroкова, Antonio Del Valle-Segarra, Li Liu, Teresa (lok Chan) Ng, Ariel Porcalla, Margaret Burroughs and Etienne M. Sokal

2:30 PM
2380: Neutralizing Anti-IL-11 Antibodies Protect Against Hepatic Fibrosis in Non-Alcoholic Steatohepatitis
anissa Anindya Widiaga, Sebastian Schafer and Stuart Cook

2:45 PM
2381: Impact of Different Aneuploidy Profiles on Tumor Progression and Immunity in Hepatocellular Carcinoma
Laia Bassaganyas, Roger Esteban-Fabró, Sara Torrecilla, Agran Moeini, Sebastià Franch-Exposito, Maria Vila-Casadesús, Ferran Nadeu, Daniela Sia, Itziar Salaverria, Laia Cabellos, Roser Pinyol, Jordi Camps, Vincenzo Mazzaferrro and Josep M Llovet

3:00 PM
2382: Care Concordant with Blood Pressure Clinical Practice Guidelines Predicts Decreased Mortality Among Liver Transplant Recipients
Lisa B. VanWagner, Samantha Montag, Sean Connolly, Amna Daud, Daniela Ladner, Anton I. Skaro, Josh Levitsky, Jane Holl and Donald M. Lloyd-Jones

3:15 PM
2383: The Addition of Sodium Bicarbonate to Lidocaine Significantly Reduces Injection Site Discomfort during Liver Biopsy
Anurag Maheshwari, Deborah Hockett, Ryan Macdonald, Erundina Krenzichek, Laura Kress, Deborah Pennington, April Vilches, John Sybert and Paul J. Thuluvath
Parallel 37: Liver Transplantation: Alcohol and Hepatitis C
Monday, November 12
2:00 PM – 3:30 PM Room 153/155
MODERATORS: Scott Cotler Kymberly Watt

2:00 PM
247: Objective Scores and Clinical Judgment Cannot Predict the Risk of Alcohol Relapse in Transplant Candidates
Sam De Nooy, Abhishek Gowda, Miriam Bridget Zimmerman, Jody L Jones and Michael D. Voigt

2:15 PM
248: The R3s: A Modern Approach to Predicting Substance Recidivism in Liver Transplant Candidates
Bandar Aljudaibi, Samantha C Leistman, Jennifer Melaragno, M Katherine Dokus, John A Martens, Mary A Salter, David J Hutchinson and Mark W Nickels

2:30 PM
249: Increasing Utilization and Excellent Early Outcomes Following Liver Transplant of HCV Viremic Donors into HCV Positive and Negative Recipients
Sonali Paul, Thomas Cotter, Burhaneddin Sandikci, Thomas Couri, Ester C. Little, Vinay Sundaram, Adam Bodzin and Michael R. Charlton

2:45 PM
250: Acute Cellular Rejection in HCV Patients Following Liver Transplantation in the Era of Direct Acting Antivirals: Chronological Analysis of UNOS Database
Tomohiro Tanaka and Michael D. Voigt

3:00 PM
251: Transplanting HCV-Infected Livers into Uninfected Recipients Is a Cost-Effective Strategy
Emily Bethea, Sumeyye Samur Samur, Fasiha Kanwal, Mark Roberts, Norah Terrault, Raymond T. Chung, Jag Chhatwal and Chin Hur

3:15 PM
251A: Multicenter, Double-Blind, Randomized Trial of Emricasan in Subjects Post Liver Transplantation (LT) with Recurrent Hepatitis C Virus (HCV) and Liver Fibrosis or Cirrhosis Despite Achieving Sustained Virologic Response (SVR)
K Rajender Reddy, Michael P. Curry, Catherine T. Frenette, Fredric G. Regenstein, Eugene R. Schiff, Zachary D. Goodman, James Mac Robinson, Jean Lin Chan, Joanne C. Imperial and David Hagerty

Parallel 38: Hepatobiliary Carcinogenesis
Monday, November 12
2:00 PM – 3:30 PM Room 22/23
MODERATORS: Steven D. Lidofsky Chiung-kuei Huang

2:00 PM
252: Integrative Molecular Profiling of Non-Alcoholic Steatohepatitis-Related Hepatocellular Carcinoma
Sara Torereilla, Roser Pinyol, Leow Wei-Qiang, Huan Wang, Agrin Moine, Carla Montroni, Laia Bassaganyas, Carmen Andreu-Oller, Claudia PMS Oliveira, Venancio A. F. Alves, Anja Lachenmayer, Stephanie Roessler, Beatriz Minguex, Peter Schirmacher, Paolo Boffetta, Jean-Francois Dufour, Shan N. Thung, Andrew Uzlov, Flair Jose Carrilho, Charissa Y. Chang, Daniela Sia and Josef M Llovet

2:15 PM
253: A 2-OG-Dependent Enzyme, Aspartate Beta-Hydroxylase, Promotes Cholangiocarcinoma Progression By Modulating RB1 Phosphorylation
Chiung-kuei Huang, Yoshifumi Iwagami, Jin Zou, Sarah Casulli, Shaolei Lu, Katsuya Nagaoaka, Chengcheng Ji, Kosuke Ogawa, Kevin Cao, Jin-Song Gao, Rolf I. Carlson and Jack R. Wands

2:30 PM
254: Nuclear Orphan Receptor Coup-TF2 Increased the Resistance to Anikosis and the Metastatic Potential in Hepatocellular Carcinoma
Elisabetta Ceni, Tommaso Mello, Lorenzo Ciambellotti, Simone Polvani, Mirko Tarocchi, Stefano Milani and Andrea Galli

2:45 PM
255: PD-L1+ Protumor Macrophages Facilitate Tumor Progression in Murine Cholangiocarcinoma
Emilien Loeuillard, Steven F. Bronk, Gregory J. Gores, Haidong Dong andSumera H. Rizvi

3:00 PM
256: B-Catenin and mTOR Signaling in Liver Pathophysiology: Novel Interactions and Implications.
Paul P Monga, Junyan Tao and Adeola Michael

3:15 PM
257: Connective Tissue Growth Factor (CTGF) Induces IL-6 Production from Hepatic Stellate Cells and Promotes the Progression of Hepatocellular Carcinoma.
Yuki Makino, Hayato Hikita, Takahiro Kodama, Minoru Shigekawa, Yasutoshi Nozaki, Tasuku Nakabori, Yoshinobu Saito, Ryotaro Sakamori, Tomohide Tatsumi and Tetsuo Takehara
Parallel 39: Bile Transporters and Lipids
Monday, November 12
2:00 PM – 3:30 PM  Room 306/308
MODERATORS: Gianfranco Alpini  Sayeepriyadarshini Anakk

2:00 PM
258: Obeticholic Acid Increases Cholesterol Saturation and FGF19 in Human Gallbladder Bile
Samer Al-Dury, Annika Wahlström, Katrin Panzitt, Anders Thorell, Marcus Stähliman, Michael H. Trauner, Peter Fickert, Fredrik Bäckhed, Lars Fändriks, Martin Wagner and Hanns-Ulrich Marschall

2:15 PM
259: Lactobacillus Rhamnosus gg Prevents Liver Fibrosis through FXR-Mediated Inhibition of Bile Acid Synthesis and Microbiota-Regulated Bile Acid De-Conjugation and Excretion in Mice
Yunhuan Liu, Craig J. McClain and Wenke Feng

2:30 PM
260: Apolipoprotein (apo)a-V Plays a Critical Role in Biliary Cholesterol Homeostasis and Its Lack in Bile Promotes Cholesterol Gallstone Formation in Mice
Helen H Wang, Patrick Tso and David Q. Wang

2:45 PM
261: The Role of the Apical Sodium Dependent Bile Salt Transporter (ASBT) in the Protection of Human Cholangiocytes Against Cytotoxic Human Bile Salts
Jorrit van Niekerk, Dagmar Tolenaars, Ronald PJ Oude Elferink, Stan F.J. Van De Graaf and Ulrich Beuers

3:00 PM
262: ATP8B1 Deficiency Affects Cholesterol Metabolism in Human Macrophages
Valentina E. Gomez Mellado, Kam S. Ho-Mok, Ronald PJ Oude Elferink and Coen C. Paulusma

3:15 PM
263: Fenofibrate Improves Cholestasis and Reduces Bile Acid Toxicity In Vivo
Adam M Auclair, David N. Assis, James L. Boyer and Nisanne S. Ghonem

Parallel 39A: Basic Science Potpourri
Monday, November 12
2:00 PM – 3:30 PM  Room 312/314
MODERATORS: Adrian M Di Biscaglie TBD

2:00 PM
2384: Direct Activation of Tissue Factor Procoagulant Activity By Bile Acids Drives Intrahepatic Coagulation in Liver Disease
Kevin Baker, Anna K. Kopec, Dora Ivkovich, Holly M. Cline-Fedewa, Mojtaba S. Olyaee, Benjamin L. Woolbright, Hartmut Jaeschke, Alissa S. Wolberg and James P. Luyendyk

2:15 PM
2385: Targeting Granulocyte-Specific Mir-223 As a Novel Anti-Inflammatory and Anti-Fibrotic Approach for Nonalcoholic Steatohepatitis
Casey Johnson, Carolina Jimenez Calvente, Hana Del Pilar, Masahiko Tameda, Nektaria Andronikou and Ariel E. Feldstein

2:30 PM
2386: Focal Adhesion Kinase Promotes Myofibroblastic Activation of Hepatic Stellate Cells By Preventing Lysosomal Targeting and Degradation of Tgfβ Receptor II
Yunru Chen, Kangsheng Tu, Chen Chen, Yuanguo Wang and Ningling Kang

2:45 PM
2387: In Vivo Therapeutic Benefit of Platelet Blockade and Broad Spectrum PDGF Antagonism By SBR-294 Demonstrates the Importance of the Platelet-Axis of Fibrosis
Harsha Kabra, Swati Jalgaonkar, Tanaya Walimbe, Taylor Skurnac, Camille Indey, Elvis Ikwa, Andrew Woolley, Julia Chen, Nicholas Snead, Glenn Prestwich, Morten Karsdal, Kate Stuart and John Paderi

3:00 PM
2388: Gilbert Syndrome-Associated SNPs of the Human UDP-Glucuronosyltransferase 1A (UGT1A) Gene Locus Are Associated with Milder Hepatic Steatosis in Humanized Transgenic UGT1A Mice after 24 Weeks of a High Fat Paigen Diet
Steffen Landerer, Sandra Kalthoff, Stefan Paulusch and Christian P. Strassburg

3:15 PM
2389: Sex-Hormone Dependent Intestinal Expression of Asbt Determines the Sclerosing Cholangitis Phenotype and the Response to Pharmacological Disruption of Enterohepatic Circulation of Bile Acids in Mdr2-/- Mice
Ana Catalina Arce-Clachar, Mary Mullen, Tiffany Shi, Nelson Matuschek, Ramesh Kudira, Celine Silva Lages, Wujuan Zhang, Julia Simmons, Rebekah Karns, Kumar Shanmukhappa, Kenneth David Reginald Setchell and Alexander G. Miethke
Emerging Trends Symposium

Monday, November 12

2:00 PM – 4:00 PM    Room 157/160
The Palliative Care Toolkit: Practical Strategies for Integrating Palliative Care Into the Management of Patients With Cirrhosis

SESSION CHAIRS: Jennifer Cindy Lai
                Puneeta Tandon

MODERATORS: Jody C. Olson
             Michael Volk

2.00 CME Credits

Attendees of this session will learn about the range of symptoms that patients with end-stage liver disease express and how palliative care can begin to address them. Attendees will also acquire practical skills for understanding patients’ preferences surrounding end-of-life goals of care to engage in shared decision-making around high-risk surgical procedures, including liver transplantation.

Learning Objectives:

● Assess palliative care needs in their patients, address basic palliative care needs, identify when to involve palliative care specialists
● Guide patients through advance care planning
● Acquire skills in communicating with patients and caregivers about complex medical decision-making surrounding high-risk surgical procedures, including liver transplantation

2:00–2:20 PM
Basics of Palliative Care and Advanced Care Planning in the Outpatient Setting
Puneeta Tandon

2:20–2:35 PM
Enhancing Prognostication With Standardized Frailty Tools
Jennifer Cindy Lai

2:35–2:55 PM
Best Case, Worst Case Scenario: A Practical Communication Tool for Shared Decision Making for High Risk Surgical Procedures
ML Schwarze

2:55–3:15 PM
"Out of the Box" Tools for Symptom Management – From Pain to Pruritus
Amanda Brisebois

3:15–3:30 PM
The Logistics of Integrating Palliative Care into Your General and Transplant Hepatology Clinics
Mina O. Rakoski

3:30–3:40 PM
Emerging Opportunities for Research at the Intersection Between Palliative Care and Hepatology
Manisha Verma

3:40–3:55 PM
Panel Discussion

3:55–4:00 PM
Closing Remarks
Global Forum

Monday, November 12
2:00 PM – 4:00 PM  Room 24/25

Global Challenges in HCC Risk and Surveillance

SESSION CHAIRS: Lewis R. Roberts Jorge A. Marrero

2:00 CME Credits

HCC is the fifth most common cancer and the third cause of cancer-related deaths worldwide. The underlying liver disease that ultimately leads to HCC varies throughout the world. Identifying the population at risk for HCC is critical in order to implement preventive strategies to reduce the burden of the disease. Moreover, identifying the population at risk will facilitate the use of surveillance programs. This forum will review, in all pertinent regions of the world, the main populations at risk for HCC and discuss strategies for reducing the burden of the disease through prevention and surveillance.

Learning Objectives:
- Understand the population of patients at risk for developing HCC in different regions of the world
- Recognize surveillance strategies for the detection of early stage HCC in different regions of the world
- Identify preventive strategies to reduce HCC burden in different regions of the world

2:00–2:05 PM Welcome and Introductions
2:20–2:35 PM HCC: The European Perspective – EASL Jordi Bruix
2:35–2:50 PM HCC: The Asia-Pacific Perspective – APASL Diana A. Payawal
2:50–3:05 PM HCC: The South American Perspective – ALEH Flair Jose Carrilho
3:20–3:55 PM Panel Discussion
3:55–4:00 PM Closing Remarks

Late-breaking Abstract Oral Session I and Recognition Ceremony

Monday, November 12
2:30 PM – 4:00 PM  Hall D - General Session
Parallel Session

Parallel 40: Long Term Efficacy and Safety of HBV Therapy
Monday, November 12
4:00 PM – 5:30 PM Room 157/160
MODERATORS: Robert G. Gish Norah Terrault

4:00 PM
264: A Randomized Placebo-Controlled Trial of Tenofovir Disoproxil Fumarate in Chronic Hepatitis B Patients with Minimally Elevated Aminotransferase

4:15 PM
265: ALT Levels and Risk of Hepatocellular Carcinoma (HCC) in Caucasian Chronic Hepatitis B (CHB) Patients Under Long-Term Therapy with Entecavir (ETV) or Tenofovir Disoproxil Fumarate (TDF)

4:30 PM
266: Long-Term Safety of Fetal Exposure to Tenofovir in Infants from Hepatitis B Mothers
Calvin Q. Pan, Zhongping Duan, Er Hei Dai, Guo-Rong Han, Shu Qing Zhang, Yuming Wang, Huai Hong Zhang, Bao Shen Zhu, Suwen Li, Hong-Xiu Jiang, Yi Ding, Wen Jing Zhao, Shi Lian Li, Xiao Hu Zhang and Huai Bin Zou

4:45 PM
267: Comprehensive Analysis for the Impact of on-Treatment Intermediate Endpoints on Outcomes of Hbeag (+) Chronic Hepatitis B
Jonggi Choi, Young-Suk Lim, Seungbong Han, Ju Hyun Shim, Kang Mo Kim, Han Chu Lee and Yung Sang Lee

5:00 PM
268: Limited Sustained Response and Lack of HBsAg Decline after Stopping Long-Term Nucleos(t)ide Analogue Therapy in Hbeag Negative Patients with Chronic Hepatitis B: Results of a Prospective, Randomized, Open-Label Phase IV Trial
Kin Seng Lien, Scott K. Fung, David KH Wong, Colina K. Yim, Seham Noureldin, Feng Fei Huang, Heman A. Shah, Jordan J. Feld, Bettina E. Hansen and Harry L. A. Janssen

5:15 PM
269: Validation of the Easl 2017 Clinical Practice Guidelines Criteria for Switching HBV Patients LONG-TERM Treated with Tdf to Etv or Taf
Alessandro Loglio, Luisa Roade, Marta Borghi, Roberta Soffredini, Floriana Facchetti, Dhanai Di Paolo, Maria DEL MAR Ribeiro Barciela, David Tabernero, Giovanna Lunghi, Maria Buti and Pietro Lampertico

Parallel 41: HCC Treatments and Outcomes
Monday, November 12
4:00 PM – 5:30 PM Room 206/208
MODERATORS: Denise M. Harnois Zobair M. Younossi

4:00 PM
270: Ramucirumab As Second-Line Treatment in Patients with Hepatocellular Carcinoma (HCC) and Elevated Alpha-Fetoprotein (AFP) Following Sorafenib: Pooled Results from Two Global Phase 3 Studies (REACH-2 and REACH)
Josep M Llovet, Masatoshi Kudo, Richard Finn, Peter R. Galle, Jean-Frederic Blanc, Takuo Okusaka, Ian Chau, Paolo B Abada, Yanzhi Hsu and Andrew X Zhu

4:15 PM
271: How to Assess Risk and Suitability of Transarterial Chemoembolization in Patients with Unresectable Hepatocellular Carcinoma with or without Impaired Hepatic Function: A Multicenter Study.
Hwi Young Kim, A Reum Choe, Joon Yeul Nam, Jeong-Hoon Lee, Jin Wook Chung, Hye Ah Lee, Tae Hun Kim and Kwon Yoo

4:30 PM
272: Outcomes of Patients (pts) with Hepatocellular Carcinoma (HCC) Treated with Transarterial Chemoembolization (TACE): Global OPTIMIS Final Analysis
Markus Peck-Radosavljevic, Masatoshi Kudo, Jean-Luc Raoul, Han Chu Lee, Thomas Decaens, Jeong Heo, Shi-Ming Lin, Hong Shan, Yefa Yang, Inga Bayh, Keiko Nakajima and Ann-Lii Cheng

4:45 PM
273: In Medicare Patients with Hepatocellular Carcinoma (HCC), Non-Alcoholic Fatty Liver Disease (NAFLD) Is Among the Top Causes for Mortality and Resource Utilization
Omer Shahab, Danubia Hester, James Paik, Ansha Goel, Issah Younossi, Pegah Golabi, Mariam Afendy and Zobair M. Younossi

5:00 PM
274: Differences in Hepatocellular Carcinoma Risk, Predictors and Trends over Time According to Etiology of Cirrhosis: A Cohort of 116,404 Patients with Cirrhosis Including 10,042 Who Developed HCC.
George Ioannou, Pamela Green, Elliott Lowy, Elijah Mun and Kristin Berry
Parallel 42: Experimental Nonalcoholic Steatohepatitis
Monday, November 12
4:00 PM – 5:30 PM Room 214/216
MODERATORS: Ariel E. Feldstein, Samar H. Ibrahim

4:00 PM
276: Serotonin Signals through a Gut-Liver Axis to Regulate Hepatic Steatosis
Wonsuk Choi, Jun Namkung, Inseon Hwang, Hyeongseok Kim, Ajin Lim, Hye Jung Park, Hye Won Lee, Kwang-Hyub Han, Seongyeol Park, Ji-Seon Jeong, Gerard Karsenty, Young Seok Ju, Chan Choi, Jae Myung Suh, Jun Yong Park, Sangkyu Park and Hal Kim

4:15 PM
277: A Prototypical Splicing Factor Involved in Hepatic Lipid Metabolism Is Diminished in Nash
Waqar Arif, Eric Van Nostrand, Suthat Liangpunsakul, Romil Saxena, Gene Yeo, Sayeeepriyadarshini Anakk and Auinash Kalsotra

4:30 PM
278: YIPF6 Promotes Diet-Induced Obesity and Hepatic Steatohepatitis By Decreasing FGF21 Secretion
Liu Li Wang, Magdalena Mazagova, Chuyue Pan, Song Yang, Katharina Brandl, Yanhan Wang, Shannon M. Reilly, Alan R. Saltiel and Bernd Schnabl

4:45 PM
279: Lipotoxic Hepatocyte-Derived Exosomal Mir-192-5p Activates Macrophages through Rictor/Akt/FoxO1 Signaling
Xiao-Lin Liu, Hai-Xia Cao, Qin Pan and Jian-Gao Fan

5:00 PM
280: Knock-out (KO) of Secretin (Sct) Reduces Biliary Senescence, Ductular Reaction, Liver Inflammation, Steatosis and Fibrosis in Mice Fed High-Fat Diet (HFD) through Changes in the miRNA-125b/VEGF-A Axis.

5:15 PM
281: A Novel Autophagic Mechanism Mediating Lipid Droplet Catabolism in Hepatocytes
Ryan Schulze, Micah Schott, Shaun Weller, Eugene W. Krueger, Carol A. Casey and Mark A. McNiven

Parallel 43: Portal Hypertension: Infections and Acute on Chronic Liver Failure
Monday, November 12
4:00 PM – 5:30 PM Room 154/156
MODERATORS: Arpan Mohanty, Douglas A. Simonetto

4:00 PM
282: Rising Burden of Acute on Chronic Liver Failure from Alcohol Associated Liver Disease in Young American Adults
Page Axley, John M. Provenza, Robert J. Wong, Patrick S Kamath and Ashwani K. Singal

4:15 PM
283: Nosocomial Infections Negatively Impact Outcomes in Cirrhotic Inpatients and Cannot be Reliably Predicted on Admission.

4:30 PM
284: Validating the Results of the Nacseld-Aclf Score Using a Nationally-Representative Inpatient Database
Russell Rosenblatt, Zachary Sherman, Zaid Tafesh, Nicole T. Shen, Catherine Lucero, Robert S. Brown, Arun B. Jesudian, Sonal Kumar and Brett E. Fortune

4:45 PM
285: The Effect of Clostridium Difficile Infections on Readmissions in Patients with Cirrhosis
Russell Rosenblatt, Steven Mathews, Zaid Tafesh, Nicole T. Shen, Catherine Lucero, Brett E. Fortune, Arun B. Jesudian, Robert S. Brown, Carl Crawford and Sonal Kumar

5:00 PM
286: Albumin Dialysis with MARS® in the Treatment of Cirrhotic Patients with Acute on Chronic Liver Failure (ALF) in the Real Life: A Large Cohort from Two Centres.
Faouzi Saliba, Alice Quinart, Philippe Ichai, Cécile Jeandet, Sophie-Caroline Sacleux, Marc Boudon, Audrey Coilly, Stéphane André, Valérie Cailliez, Daniel Cherqui, René Adam and Didier Samuel

5:15 PM
287: Safety and Tolerability of Two Doses of Simvastatin Associated with Rifaximin in Patients with Decompensated Cirrhosis. a Double-Blind, Randomized, Placebo-Controlled Trial
ELISA Pose, Laura Napoleone, Ahmed Amin, Daniela Campion, César Jimenez, Salvatore Piano, Olivier Roux, Frank Erhard Uechner, Koos Wit, De, Giacomo Zaccherini, Carla Alessandria, Paolo Angeli, Mauro Bernardi, Ulrich Beuers, Paolo Caraceni, François Durand, Rajeshwar P. Mookerjee, Jonel Trebicka, Victor Vargas, Marta Carol, Judit Pich, Gema Domenech, Georgina Casanovas, Ferran Torres and Pere Gines
Parallel 44: Acute Liver Failure  
Monday, November 12  
4:00 PM – 5:30 PM  Room 22/23  
MODERATORS: Norman L. Sussman  
William M. Lee  

4:00 PM  
288: High-Volume Plasma-Exchange Improves Transplant-Free Survival in Patients with Acute Liver Failure- a Prospective Randomized Controlled Trial  
NCT02718079  
Rakhi Maiwall, Akanksha Singh, Meenu Bajpai, Lalita Gouri Mitra, Vandana Saluja, Prashant Aggarwal, Tanvi Agrawal, Nirupma Trehanpati, Priyanka Jain, Anupam Kumar and Shiv Kumar Sarin  

4:15 PM  
289: Necroptosis: A Novel Target for the Prevention of Progression of Acute on Chronic Liver Failure (ACLF)  
Takayuki Kondo, Stewart Macdonald, Abeba Habtesion, Rajeshwar P. Mookerjee, Nathan Davies, Rajiv Jalan and Fausto Andreola  

4:30 PM  
290: Dengue Hepatitis Presenting As Hyper Acute Liver Failure Based on an Analysis of 36 Patients from a Single Center and Literature Review of 63 Dengue Hepatitis with Acute Liver Failure  
Harshad Devarbhavi, Deepak Ganga, Vishnu Vardhan Reddy and Tarun Joseph  

4:45 PM  
291: Early Change in Organ Failure Scores Predicts Survival in Acute on Chronic Liver Failure  
Sreelakshmi Kotha, Alexandra Zirra, Andrew Jones and Philip A. Berry  

5:00 PM  
292: Obesity Is Associated with Poorer Outcomes in Acute Liver Failure  
Alina Dobai, Michelle Gottfried,MS, William M. Lee and Bilal Hameed  

5:15 PM  
293: Open Albumin Dialysis (OPAL) Using New Micro-Structured Charcoal Adsorbents Is Significantly More Effective in Removing Toxins and Improving Related Complications of Aoclf Than MARS-a Multicenter Trial  
Jan Stange, Christoph Sponholz, Andreas Kortgen, Hartmut H. Schmidt, Matthias Dollinger and Tarek I. Hassanein  

Parallel 45: Cholangiocyte Biology  
Monday, November 12  
4:00 PM – 5:30 PM  Room 306/308  
MODERATORS: Kathleen M. Loornes  
Mario Strazzabosco  

4:00 PM  
294: Single Cell and Functional Analyses of the Liver Epithelium Reveal an Essential and Dynamic Role for YAP  
Brian Pepe-Mooney, Michael T Dill, Anna Alenay, Jose Ordovas-Montanes, Alex Shalek, Alexander Van Oudenaarden and Fernando D. Camargo  

4:15 PM  
295: β-Catenin Signaling Inhibition and FXR Activation Reduce Inflammation and Disease Progression in Pkhd1del4/del4 mice, a Model of Congenital Hepatic Fibrosis (CHF)  
Eleanna Kaffe, Romina Fiorotto, Mariangela Amenduni, Valeria Mariotti, Massimiliano Cadamuro, Luca Fabris, Mario Strazzabosco and Carlo Spirl  

4:30 PM  
296: Inhibition of Mast Cell-Derived TGF-β1 Decreases Biliary Damage and Hepatic Fibrosis in a Murine Model of Primary Sclerosing Cholangitis  
Lindsey Kennedy, Laura Hargrove, Jennifer Demieville, Vik Meadows, Steven Smith and Heather L. Francis  

4:45 PM  
297: Under Constant Liver Injury, Ductular-Derived Hepatocytes Clonally Repopulate the Liver As a Robust Carcinogenesis-Resistant Population  
Rita Manco, Laure-Alix Clerbaux, Stefaan Verhulst, Myriam Bou-Nader, Christine Sempoux, Jérome Ambroise, Bertrand Bearzatto, Jean-Luc Gala, Yves Horsmans, Leo A Van Grunsven, Chantal Desdouets and Isabelle A Leclercq  

5:00 PM  
298: TGR5-Dependent Hepatoprotection through the Regulation of Biliary Epithelium Barrier Function  
Grégory Mickaël Merlen, Jose Enrique Ursic Bedoya, Nicolas Kahale, Hayet Simerabett, Valeska Bidault-Jourdainne, Isabelle Doignon, Zahra Tanfin, Isabelle Garcez, Noémie Péan, Julien Gauterot, Lydie Humbert, Dominique Rainteau, Klaus Ebben, Christoph Ullmer, Doris Cassio and Thierry Tordjmann  

5:15 PM  
299: Development of a Double Knock-out (KO) Mouse Model Lacking α-Calcitonin Gene-Related Peptide (α-CGRP) and Tachykinin Receptor 1 (NK-1R) Characterized By Reduced Biliary Damage and Liver Fibrosis Following Bile Duct Ligation (BDL)  
Tianhao Zhou, Nan Wu, Juliet Venter, Ludovica Ceci, Keisaku Sato, Paul D Baker, Konstantina Kyritsi, Thao Giang, Heather L. Francis, Gianfranco Alpini, Shannon S. Glaser and Fanyin Meng
SIG Programming

Monday, November 12
4:15 PM – 6:15 PM Room 24/25
Best Practices in Hepatology 2018

SESSION CHAIRS: Marcelo Kugelmas
Kris V. Kowdley

Clinical Practice SIG
2.00 CME Credits

This program aims to help attendees understand how to best approach the patient referred for evaluation of an incidentally found liver mass, be better informed on how to conduct office-based non-invasive assessment of liver fibrosis in the patient with elevated liver tests, increase their understanding of the management of alcoholic liver disease in 2018 and have the knowledge to provide care in the post-liver transplant patient in the community setting.

Learning Objectives:

- Understand how to approach the evaluation of the patient with an incidentally found liver mass
- Be better informed on how to incorporate office-based, non-invasive liver fibrosis assessment in the evaluation and management of patients with elevated liver tests
- Understand the standard of care management of the patient with alcoholic liver disease in both the inpatient and outpatient care settings
- Have the knowledge to provide care to the post liver transplant patient in the community setting

4:15–4:20 PM Welcome and Introductions
4:20–4:40 PM Evaluation of the Incidentally Found Liver Mass
K Rajender Reddy
4:40–5:00 PM Office-Based, Non-Invasive Assessment of Liver Fibrosis
Marcelo Kugelmas
5:00–5:15 PM Panel Discussion
5:15–5:35 PM Management of the Patient with Alcoholic Liver Disease
Craig J. McClain
5:35–5:55 PM Care of the Post-Liver Transplant Patient in the Community Setting
Kirti Shetty
5:55–6:10 PM Panel Discussion
6:10–6:15 PM Closing Remarks
Diversity Workshop

Monday, November 12
4:15 PM – 6:15 PM    Room 153/155

Ethnic and Racial Disparities in Liver Diseases

SESSION CHAIRS:   Charles D. Howell
                   Carla W. Brady

2.00 CME Credits

This session will describe the biological and social determinants of health that contribute to ethnic and racial disparities in health and health care; identify the racial and ethnic disparities that have been documented in patients with primary HCC and liver transplantation; and list strategies to prevent viral hepatitis, reduce deaths and decrease health disparities due to HBV and HCV in the U.S.

Learning Objectives:

● Describe the biological and social determinants of health that contribute to ethnic and racial disparities in health and healthcare

● Identify the racial and ethnic disparities that have been documented in patients with primary HCC and liver transplantation

● List strategies to prevent viral hepatitis, reduce deaths, and decrease health disparities due to HBV and HCV in the U.S.

Welcome and Introductions

4:15–4:45 PM    Finding Solutions to Racial and Ethnic Disparities in Health and Healthcare
                Stephen Thomas

4:45–5:05 PM    Ethnic and Racial Disparities in Hepatocellular Carcinoma Incidence, Diagnosis and Treatment
                Fasiha Kanwal

5:05–5:25 PM    Ethnic and Racial Disparities in Liver Transplantation
                Kimberly A. Forde

                Andrew Joseph Muir

5:55–6:10 PM    Panel Discussion

6:10–6:15 PM    Closing Remarks
Late-breaking Abstract Oral Session II

Tuesday, November 13
8:00 AM – 9:00 AM  Hall D – General Session

Plenary Session

Presidential Plenary – Translational Science and Genomics
Tuesday, November 13
9:00 AM – 10:30 AM  Hall D - General Session
MODERATORS: Tom H. Karlson
Laurie D. DeLeve

9:00 AM
25: Intestinal Dysbiosis Augments Liver Disease Progression Via NLRP3 in a Murine Model of Primary Sclerosing Cholangitis

9:15 AM
26: Dissecting the Human Liver Cellular Landscape By Single Cell RNA-Seq Reveals Novel Intrahepatic Monocyte/Macrophage Populations

9:30 AM
27: A Pan-Cancer Analysis Reveals High Frequency Genetic Alterations in Mediators of Signaling By the TGF-β Superfamily
Sobia Zaidi, Anil Korkut, Jian Chen, Shuyun Rao, Shoujun Gu, Kazufumi Ohshiro, Wilma S Jogunoori, Bibhuti Mishra, Rehan Akbani and Lopa Mishra

9:45 AM
28: Molecular Classification and Potential Therapeutic Targets in Extrahepatic Cholangiocarcinoma
Robert Montal, Wei-Qiang Leow, Carla Montironi, Laia Bassaganyas, Agrin Moeini, Daniela Sia, Roser Pinyol, Judit Peix, Laia Cabellos, Miho Maeda, Carlos Villacorta, Parissa Tabrizian, Christine Sempoux, Beatriz Mínguez, Tim Pawlik, Ismail Labgaa, Lewis R. Roberts, Manel Sole, Maria Isabel Fiel, Swan N. Thung, Sasan Roayaie, Augusto Villanueva, Myron E. Schwartz and Josep M Llovet

10:00 AM
29: High-Resolution Metabolomics and Exposomics in Primary Sclerosing Cholangitis and Primary Biliary Cholangitis Uncovers Novel, Disease-Specific Associations in Bile Acid and Amino Acid Metabolism and Environmental Toxicant Exposures

10:15 AM
30: A Molecular Signature Predicts 2-Year Outcome of Biliary Atresia and Identifies a Therapeutic Target to Suppress Fibrosis
Zhenhua Luo, Reena Mourya, Pranavkumar Shivakumar, Sridevi Gutta and Jorge A. Bezerra
Leon Schiff State-of-the-Art Lecture

**Tuesday, November 13**
10:30 AM – 11:00 AM   Hall D - General Session

**Leon Schiff State-of-the-Art Lecture**

**MODERATOR:** Michael W Fried

0.50 CME Credits / 0.50 ABIM MOC Points

This lecture will summarize the current approach to understanding NASH pathogenesis, and how to translate recent advances into routine clinical care. Beginning with an overview of key pathogenic steps in development and progression of NASH, the program will also cover different therapeutic approaches for specific subsets of patients with NASH and related complications, and risk stratification of patients with respect to clinical outcomes.

**Learning Objectives:**
- Define the key pathogenic steps in development and progression of NASH
- Identify the best therapeutic approaches for specific subsets of patients with NASH
- Risk stratify patients with respect to clinical outcomes

10:30–11:00 AM   NASH – The Race for a Cure
Arun J Sanyal

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Coffee Break

**Tuesday, November 13**
11:00 AM – 11:30 AM   North Lobby

*This coffee break is generously supported by IQVIA – please thank them when you visit their booth!*
Hepatitis Debrief

**Tuesday, November 13**
11:30 AM – Noon  Hall D - General Session

**Hepatitis Debrief**

MODERATOR: Jorge A. Bezerra

CME Not Offered

This session provides a synthesis of new data on the treatment of viral hepatitis presented at The Liver Meeting®.

11:30 AM–12:00 PM  Hepatitis Debrief
Jordan J. Feld

NAFLD Debrief

**Tuesday, November 13**
Noon – 12:30 PM  Hall D - General Session

**NAFLD Debrief**

MODERATOR: Jorge A. Bezerra

CME Not Offered

This session is designed to complement the highly-regarded, Hepatitis and Clinical Hepatology Debriefs, and will review key highlights from The Liver Meeting®.

12:00–12:30 PM  NAFLD Debrief
Mary E. McCarthy Rinella

Clinical Hepatology Debrief

**Tuesday, November 13**
12:30 PM – 1:00 PM  Hall D - General Session

**Clinical Hepatology Debrief**

MODERATOR: Jorge A. Bezerra

CME Not Offered

This session will provide a summary of the clinical highlights from The Liver Meeting®.

12:30–1:00 PM  Clinical Hepatology Debrief
K Rajender Reddy
Poster Sessions

Poster Session I
Friday, November 9

POSTER VIEWING: 8:00 AM – 5:30 PM
Hall C - Poster Hall

Presenters in Attendance
Noon – 1:30 PM

★ Those posters with a star icon are identified as AASLD Presidential Posters of Distinction, which have received review scores that place them within the top 10 percent of all posters.
★ Those identified with a ribbon icon have been selected as an AASLD Foundation Abstract Award recipient.

We encourage you to make these posters a priority as you visit the poster sessions.

Acute Liver Failure and Artificial Liver Support

300: WITHDRAWN

301: Acute Liver Failure in Pregnancy: How Much Is Pregnancy-Related?
Ariel Aday, Lisa Casey, Jody Rule and William Lee

302: An Intrabody Against PHD2 Protects Against Acute Liver Injury in Mice
Liangzhong Zhao, Ziyu Liu, Guoxiu Zhao, Ying Zhang, Haipeng Miao, Ying Xue, Hongli Huang, Fang Yang, Cynthia Ju and Guizing Li

303: Circulating Peroxiredoxin-1 As a Novel DAMP Aggravates Acute Liver Injury Via Promoting Inflammation in Mice
Ying He, Huixiang Yang, Zhangzhe Peng, Shenglan Li and Lijian Tao

304: Etiology of Liver Injury Is More Predictive of Survival Than Race in Patients with Acute Liver Failure (ALF).
Bilal Hameed, Elizabeth Zheng, Jyoti Arora, R. Todd Stravitz and William Lee

305: Automated Liver Lesion Segmentation with Convolutional Neural Networks
Sean Sall, Jesse Lieman-Sifry, Felix Lau and Daniel Golden

306: Characterization of a Novel Mouse Model of Type a Hepatic Encephalopathy
Elaina Williams, Stephanie Grant, Gabriel Frampton, Anca Petrescu, Matthew McMillin and Sharon DeMorrow

307: Characterization of Human Umbilical Vein Endothelial Cells Endothelializing the Intact Decellularized Rat Liver Scaffolds
Jun Li, Qian Zhou, Jing Jiang, Jiaojiao Xin, Jun Li, Longyan Jiang, Dongyan Shi, BeiBei Guo and Xingping Zhou

308: Prognostic Markers in Pediatric Acute Liver Failure with Advanced Hepatic Encephalopathy
Seema Alam, Bikrant Lal, Vikrant Sood and Rajeev Khanna

309: Artificial Neural Network-Based Risk Model to Predict 28- and 90-Day Mortality in Acute-on-Chronic Hepatitis B Liver Failure
Hou Yixin, Qianqian Zhang, Fangyuan Gao, Dewen Mao, Jun Li, Zuoqiong Gong, Xinlu Luo, Guoliang Chen, Yong Li, Zhiyun Yang, Keweit Sun and Xianbo Wang

310: Hepatotoxicity from Iron Overdose: Report of 6 Cases in Adolescents and Adults
Vishnu Vardhan Reddy, Tarun Joseph and Harshad Devarbhai

311: Admission Factor VIII/V Ratio and Factor V Are Independent Predictors of Poor Prognosis in Patients with ACUTE LIVER FAILURE (ALF)
Kavish Patidar, Le Kang, Brian Davis, Stephanie Taylor and R. Todd Stravitz

312: Efficacy of High Volume Plasma Exchange in Transplant Free Survival in Pediatric Alf with Advanced Hepatic Encephalopathy
Snehavardhan Pandey, Bikrant Lal, Vikrant Sood, Rajeev Khanna and Seema Alam

313: Obesity Is a Risk Factor for Increased Post-Transplant Mortality in Patients with Acute-on-Chronic Liver Failure (ACLF) : A Single Center Experience
Mubeen Khan Mohammed Abdul, Pradeep Podila, Anuj Sharma, Sarada Karri, Yu Jiang, Satish Kedia, Satheesha Nair, Uchenna Agbim, Humberto Gonzalez, Benedict Mafiakkal, James Eason and Sanjaya Satapathy

314: Defining the Molecular Basis of Hepatitis B Virus-Related Acute-on-Chronic Liver Failure By Transcriptome Sequencing of Patient Peripheral Blood Mononuclear Cells
Jun Li, Jiang Li, Xin Chen, Xi Liang, Lingling Yang, Jiaojiao Xin, Jing Jiang, Jianing Zhang, Dongyan Shi, Suwan Sun, Yinyin Lu, BeiBei Guo and Xingping Zhou

315: Human Stem Cell-Derived Encapsulated Liver Tissue Allows to Safely Treat Acute Liver Failure in Immunocompetent Mice without Immunosuppression
Claudia Raggi, Marie-Agnès M’Callum, Chenicka-Lyn Mangahas, Silvia Selleri, Toan Pham, Alexandre Paun, Basma Benabdallah, Christian Beauséjour, Robert Schwartz, Elie Haddad and Massimiliano Paganelli

316: Bone Marrow Mesenchymal Stem Cells Combined with Adenosine A2a Receptor Agonists to Ameliorate Acute Liver Failure through Immunoregulation of Th17 and Treg Cells Via Inhibition of TLR4/ NF-κB Pathway
Dazhi Chen

317: Prognosis of Alf of Unknown Cause: Results of the French Multicentre Prospective Hasipro Study
Audrey Collé, Sébastien Darancy, Christophe Duvoux, Jean-Paul Cervoni, Jérôme Dumortier, Sylvie Radenwe, Laurent Alric, Camille Besch, Claire Francoz, Jean Marc Perarnau, Marka Rudler, Nicolas Carbonell, Christine Silvain, Vincent Leroy, Anaïs Vallet-Pichard, Guillaume Lassailly, Florent Artru, Teresa Antonini, Hélène Agostini, Célène Piedvache, Jean Charles Duclos Valle, Philippe Ichai and Didier Samuel
**Poster Sessions**

318: Validation of Tppm Score in Predicting Short-Term Survival in HBV-Aclf Patients: A Multinational Study from Apasli Acfl Research Consortium (AARC)

Tao Chen, Ke Ma, Zhongyuan Yang, Zhongping Duan, Jun Li, Yu Chen, Tao Han, Jinhua Hu, Ashok Choudhury, Mamun Mahtab, Shaojie Xin, Yuenin Nan, Seok Tan, Saeed Hamid, Syed Jafri, Annma Butt, Guan Huei Lee, Hasim Khatziuman, Yogesh Chawla, Man-Fung Yuen, Jidong Jia, Zaigham Abbas, Harshad Devarbhavi, Abdulkadri Dokmeci, Deepak Amarapurkar, Laurentius Lesmana, George Lau, Osamu Yokosuka, Wei Guo, Shiv Kumar Sarin and Qin Ning

319: A Multicenter Study for the Consciousness-Regain Effect of a Newly-Developed Artificial Liver Support System for Acute Liver Failure: An on-Line Continuous Hemodiafiltration System

Yasuhiro Takikawa, Yuji Suzuki, Keisuke Kakisaka and Yasuhiro Miyamoto

320: A New Approach to Hepatocyte Seeding in Bio-Engineered Reendothelialized Liver Grafts

Dongjin Joo, Erek Nelson, Bruce Amiot, Anan Abu Rmilah, Dominique Seetapun, Jeff Ross and Scott Nyberg

321: Biliary Duct Hepatocyte Infusion As a Method for Functionally Repopulating Whole Decellularized Porcine Liver Matrix

Brett Anderson, Aron Stumbras, Suryakiran Vadrevu, Robin Lindeman, Alina Ostrowska, Aleks Katane, Dominique Seetapun and Jeff Ross

322: Deteriorated Outcome of Recent Patients with Acute Liver Failure and Late-Onset Hepatic Failure Due to Hepatitis A Virus Infection: Subanalysis of Patients Seen between 1998 and 2016 Enrolled in Nationwide Surveys in Japan

Masamitsu Nakao, Nobuaki Nakayama, Yoshito Uchida, Hirohito Tsubouchi, Hajime Takikawa and Satoshi Mochida

323: Acute Liver Failure from Exertional Heatstroke Can Result in Excellent Long-Term Survival with Liver Transplantation

Xia Bi, Richard Bower, Adam Deising and Catherine Frenette

324: Comparison of the Clinical Characteristics between the Hepatitis B Virus (HBV) and Alcohol-Related Acute-on-Chronic Liver Failure (ACLF)

Jiayu Lv, Yu Zhang, Shuai Shao, Qian Zhang and Tao Han

325: Association between Plasma Level of SOD and Survival of Patients with Acute-on-Chronic Liver Failure

Zhen Tian, Yingren Zhao, Tianyan Chen and Yingli He

326: Circulating Damps and Ammonia Levels Modulate Immune Dysfunction in Acute Liver Failure

Tanvi Agrawal, Rakhi Maitwall, Apurva Pande, Rakesh Jagdish, Meenu Bajpai, Rajan V, Shiv Kumar Sarin and Nirupama Trehanapati

327: Recombinant Human Soluble Thrombomodulin Ameliorates Acetaminophen-Induced Liver Toxicity in Mice

Akifumi Kuxwano, Hideo Suzuki, Shigeki Tashiro, Koji Imoto, Miho Kurokawa, Yusuke Morita, Motoyuki Kohjima, Masaki Kato and Yoshihiro Ogawa

328: Does Osteopontin (OPN), Stromal Cell-Derived Factor 1 (SDF-1) or Vascular Endothelial Growth Factor (VEGF) Play a Role in the Evolution of Acute Liver Failure (ALF)?

Kenji Okumura, Jody Rule, Dev Desai and William Lee

329: The Albumin-Bilirubin Score Versus Meld Score As a Predictor of Short-Term Outcomes in Patients with HBV-Related Acute-on-Chronic Liver Failure

Genshu Wang, Hui Li, Junzhang Zhang, Daorou Cheng and Xiaolong Chen

330: Intensive Care Need and Its Predictors Among Patients Admitted with Acute on Chronic Liver Failure: A Retrospective Study from a Single Tertiary Care Center

Neha Hingorani, Page Axley, Ashwani Singal and Chad Spencer

331: Factors Associated with Favorable Outcome in Patients with Acute Liver Failure and Late-Onset Hepatic Failure Following Liver Transplantation Evaluated Based on Nationwide Surveys in Japan

Nobuaki Nakayama, Masamitsu Nakao, Yoshito Uchida, Hirohito Tsubouchi, Hajime Takikawa and Satoshi Mochida

331A: Inhibiting Senescence Induced By Macrophage Derived Tgfβ Restores a Regenerative Response and Improves Survival Following Acetaminophen Poisoning


Kyounghyun Kim, Tilak Khanal, Yuet-Kin Leung, Nicolai Timchenko and Shuk-Mei Ho

**Drug Metabolism and Toxicity**

332: Important Role of the Mitochondrial Ca2+ Uniporter (MCU) but Not Divalent Metal Transporter 1 (DMT1) or Mitoferrin2 (Mfrn2) in Acetaminophen (APAP)-Induced Hepatotoxicity in Mice

Jiangting Hu, Anna-Liisa Nieminen, Diane Ward, Sandra Klatt and John Lemasters

333: The Livertox® Categorization of Drug Hepatotoxic Potential, a Critical Appraisal


334: Asparaginase-Induced Hepatotoxicity

Natasha Kamal, Niharika Samala, Christopher Koh, Robert Fontana, Andrew Stolz, Francisco Durazo, Paul Hayashi and Jay Hoofnagle

★ Denotes AASLD Presidential Poster of Distinction

★ Denotes AASLD Foundation Abstract Award Recipient
Poster Sessions

335: Combination of Human and Mouse Alanine Aminotransferase ELISA is Useful in Evaluating Human-Specific Hepatotoxicity in Humanized Liver Mouse
Hiroshi Suemizu, Nao Yoned, Megumi Nishiwaki, Hayato Hikita, Tetsuo Takehara and Richi Takahashi

Sandra Torres, Susana Nuñez, David Robles, Anna Baulies, Naroa Insausti, Estel Solsona-Villarrasa, Raquel Fucho, Carmen Garcia-Ruiz and Jose Fernandez-Checa

337: Rapamycin Promotes Tumoricidal Immunity in Murine HCC Via M1-Type Macrophage and Dendritic Cell Polarization and Enhancement of Cytotoxic T Cells
Misbah Aslam, Muhammad Ashfaq Khan, Muhammad Qureshi, Sima Celik, Marcel Senkowski, Shih Weng, Leonard Kaps, Yong Ook Kim and Detlef Schuppan

338: TIPS Might be Effective for Patients with Acute Hepatic Veno-Occlusive Disease Caused By Pyrrolizidine Alkaloids with No Response to Anticoagulation Therapy: A Single Center Retrospective Study
Wei Zhang, Ming Zhang, Feng Zhang, Chengkai Zhu, Yi Wang, Jiangqiang Xiao, Shuling Huang, Bin Zhang, Qin Yin, Jian He, Jun Chen, Jian Yang, Xiaoping Zou, Edward Wolfgang Lee and Yuzheng Zhuge

339: Exposure to the World Trade Center Attack is Associated with Increased Risk of Moderate-to-Severe Hepatic Steatosis and Liver Injury
Andrea Branch, Xiangmeng Chen, Teng Ma, Rowena Yip, Michael Crane, David Yankelevitz, Sara Lewis, Ponni Perumalswami and Claudia Henschke

340: Combined Treatment with Rapamycin and Zoledronic Acid Retards Growth of Advanced Murine Hepatocellular Carcinoma Via Activation of Innate and Adaptive Immunity
Muhammad Ashfaq Khan, Misbah Aslam, Muhammad Qureshi, Shih Weng, Marcel Senkowski and Detlef Schuppan

341: A Spatial-Temporal Model for Zonal Hepatotoxicity of Acetaminophen
Harvey Ho and Shawn Means

342: Hormonal and Hormonal Antagonist Drug-Induced Liver Injury: A Single Center Experience of 25 Cases
Mallikarjun Patil, Mahesh Menon and Harshad Devarbhavi

343: Comparative Research on Hepatotoxicity of (+)-Catechin and Verbascoside on Diabetic Mice
Wenting Xiong, Xin Liu, Jin Tang, Chuqi Lu and Kun Chen

344: Drug and Herbal/Dietary Supplements -Induced Liver Injury, Something Old and Something New: A Five Year Experience in a Tertiary Care Center
Osama Siddique, Ayesha Siddique and Saverio Ligato

345: Identification of Exosomal Valosin Containing Protein (VCP) As a Potential Biomarker of Idiosyncratic Drug-Induced Liver Injury
Rachel Church, Sarah Thacker, Monica Otieno, Paul Watkins and Merrie Mosedale

346: Quantitative Systems Toxicology (QST) Supports Differentiated Liver Safety for a Next-in-Class Compound
Lil Sheda, Brett Howell, Jeffrey Woodhead, Lorenzo Pellegrini, Scott Siler and Paul Watkins

347: Aarc Score Has Better Accuracy at Predicting 90-Day Mortality in Patients with Drug Induced Acute on Chronic Liver Failure (DILI-ACLF)

348: The Clinical Spectrum and G516T Single Nucleotide Polymorphism in Efavirenz Drug Induced Liver Injury
Mark Sonderup, Gadija Abdullah, Brandon Davidson, Deborah Maughan, Neliswa Gogela and Catherine Spearman

Genomics and Precision Medicine

349: Validation of Established Genetic Loci for Non-Alcoholic Fatty Liver Disease (NAFLD) and Their Contribution to NAFLD Phenotype in 194,457 Individuals Enrolled in the Million Veteran Program
Marina Serper, Marijana Vujkovic, David Kaplan, Rotonya Carr, Kyong Lee, Qing Shao, Donald Miller, Jie Huang, Peter Reaven, Lawrence Phillips, Christopher O’Donnell, James Meigs, Peter Wilson, Rachel Smith, Henry Kranzler, Amy Justice, J. Michael Gaziano, John Concato, Sumitra Muralidhar, Kelly Cho, Themistocles Assimes, Jennifer Lee, Philip Tsao, Scott Damrauer, Daniel Rader, Julie Lynch, Danish Saleheen, Kyong-Mi Chang, Scott DuVall and Scott DuVall

350: Development and Validation of a Machine Learning Algorithm to Detect Subclinical Cirrhosis
Soren Sarvestany, Orlando Cerocchi, Fuad Ahmed Ali, Giada Sebastiani, Keyur Patel, Anna Goldenberg and Mamatha Bhat

351: In Vivo High-Throughput Screen to Identify Oncogenic Biomarkers Determining Efficacy of Molecular Target Therapy in Hepatocellular Carcinoma
Yuta Myojin, Yuto Shiode, Takahiro Kodama, Shigeki Suemura, Hayato Hikita, Ryotaro Sakamori, Tomohide Satsumi and Tetsuo Takehara
Poster Sessions

352: Impact of Virus Integration into the Host Genome on Development of Hepatocellular Carcinoma in Patients with Occult HB Virus Infection
Yutaka Midorikawa, Kenji Tatsuno, Tadatoshi Takayama, Mitsuhiro Moriyama, Kojo Moriya and Hiroyuki Aburatani

353: Transcriptomic Analysis of Human NAFLD Highlights Role of Sphingolipid Metabolism in Nonalcoholic Steatohepatitis
Julia Wattacherelli, Yan Guo, Shilin Zhao, Ying-Yong Zhao, Jie Ping, Rami Diab, Yanhua Xiong, Naji Abumrad and Robb Flynn

354: Functional Landscape of Protein-RNA Interactome Perturbations in Liver Cancer
Yongsheng Li, Daniel McGrail, Juan Xu, Junyi Li, Ning-Ning Liu, Ming Sun, Richard Lin, Rita Pancsa, Ju-Seog Lee, Hui Wang, Gordon Mills, Xia Li, Nidhi Sahni and Song Yi

355: The Oncogenic Potential of Regenerative Nodules in Cirrhotic Liver Confirmed By Total Transcriptomic Analysis.
Haruhiko Takeda, Atsushi Takai, Soo-Ki Kim, Yuji Eso, Shigeru Ohtsuru, Ken Takahashi, Yoshihide Ueda, Hiroyuki Marusawa and Hiroshi Seno

356: Polycystic Kidney and Hepatic Disease 1 Gene Variations in Von Meyenburg Complexes
Su Lin, Tianyu Shang, Mingfang Wang, Jian Lin and Yue-Yong Zhu

357: Integrative Analysis of NGS Data Highlight a Genetic Variant in ATG7 Gene As a Novel Risk Factor for Nonalcoholic Fatty Liver Disease Progression.
Guido Baselli, Alessandro Pietrelli, Serena Pelusi, Marica Meroni, Anna Ludovica Fracanzani, Giorgio Soardo, Elisabetta Bugianesi, Renato Romagnoli, Salvatore Petta, Luca Miele, Silvia Fargion, Raffaele De Francesco, Paola Dongiovanni and Luca Valenti

358: ELF4 Co-Operates with HBV DNA Integration at the TERT Promoter to Enhance Hepatocarcinogenesis
Karen Sze, Daniel Ho, Yung Chiu, Yu Tsui, Joyce Lee, Lo Chan and Irene Ng

359: Efficacy and Safety of Zoledronic Acid Plus Sorafenib for Advanced Hepatocellular Carcinoma Patients: A Single Center, Single Arm, Phase II Clinical Trial
Lan Zhang, Xiaoying Xie, Zheng Gang Ren and Hui Chuan Sun

360: Gut Microbiota Dysbiosis in Patients with Chronic Hepatitis C
Takako Inoue, Jiro Nakayama, Kei Moriya, Hitode Kawaratan, Rie Momoda, Kiyoko Ito, Etsuko Ito, Shunsuke Nojiri, Kei Fujiwara, Masashi Yoneda, Hitoshi Yoshii and Yasuhito Tanaka

362: Novel Assessment of Portal Venous HDL Subspecies and Link to Microbiome in Hepatitis C Virus Infection
Rabab Ali, Alan Remaley, Gabriella Quinn, Karenen Hill, Grace Zhang, Elizabeth Townsend, Lisa Scheuing, Christopher Koh, Elliott Levy, David Kleiner, Ohad Etzion and Theo Heller

363: Tributyrin Targets the Gut Microbial Dysbiosis and Pathogenic Epigenetic Mechanisms in the Liver in an Animal Model of ALD
Hridgandh Donde, Richa Singhal, Smita Ghare, Jingwen Zhang, Swati Joshi-Barve, Craig McClain and Shishir Barve

364: Microbial Translocation and T-CELLS Activation Are Modified By Direct Antiviral Therapy in HCV Infected Patients
Barbara Lattanzi, Silvia Baroncelli, Adriano de santis, Clementina Galluzzo, Gianluca Jenni, Zuleika Michellini, Stefano Giannini Corradini, Massimo Rossi, Lucia Palmisano and Manuela Merli

365: The Beneficial Effects of the Decreased Tissue Sensitivity Glnconeogenesis in the Absence of Changes in Insulin Sensitivity
Tibor Krisko, Hayley Nicholls, Robert Jansen, Kyu Rhee, Alex Banks and David Cohen

366: Intestinal Barrier Function in Biliary Atresia Post-Kasai Portenterostomy
Vandana Jain, Charlotte Burford, Emma Alexander, Muhammed Yuksel and Anil Dhawan

367: Efficacy of Liver-Brain-Gut Communication on Liver Development
Dennis Warner, Jeffrey Warner, Shubha Gosh Dastidar, Ying Song, Joao Whitlock, Eric Li, Gary Wang, Craig McClain and Irina Kirpich

368: The Beneficial Effects of the Decreased Tissue Sensitivity Glnconeogenesis in the Absence of Changes in Insulin Sensitivity
Tibor Krisko, Hayley Nicholls, Robert Jansen, Kyu Rhee, Alex Banks and David Cohen

Gut Liver Axis and Microbiome

360: NLRP6 Inflammasome-Mediated Intestinal Dysbiosis Drives Steatohepatitis and Promotes HCC Development

361: Gut Microbiota Promotes Hepatic Gluconeogenesis in the Absence of Changes in Insulin Sensitivity
Tibor Krisko, Hayley Nicholls, Robert Jansen, Kyu Rhee, Alex Banks and David Cohen

Denotes AASLD Presidential Poster of Distinction 142A  Denotes AASLD Foundation Abstract Award Recipient
372: Dietary Sugars Induce Gut Microbiota Dysbiosis Prior to the Onset of Metabolic Disorders  
Ming Song, Xiaohong Li, Eric Rouchka and Craig McClain

373: Combining Probiotics and an Angiotensin-II Type 1 Receptor Blocker Has Beneficial Effects on Hepatic Fibrogenesis in a Rat Model of Nonalcoholic Steatohepatitis  
Yasuhiro Sawada, Hitoho Kawaratani, Takuya Kubo, Yukihsa Fujinaga, Masanori Furukawa, Kenichiro Seki, Shinya Sato, Hiroaki Takaya, Yasushi Okura, Kosuke Kaji, Naotaka Shimozato, Mitsuteru Kitade, Kei Moriya, Tadashi Namisaki, Takemi Akahane and Hitoshi Yoshiji

374: Diminished Mucus Layer and Bacteria-Induced Destabilization of the Epithelial Barrier Drive Development of Spontaneous Bacterial Peritonitis  
Marika Haderer, Elisabeth Aschenbrenner, Kirstin Pollinger, Sophie Schlosser, Claudia Kunst, Karsten Gülow and Martina Müller-Schilling

375: Vitamin D Signaling through Induction of Small Intestinal Defensin to Maintain Gut Eubiosis and Attenuate Liver Fibrosis  
Pengfei Wu, Mei Luo, Yilan Zeng, Yong Liu, Dongxia Luo, Yan Li, Richard Hu, Stephen Pandol and Yuan-Ping Han

376: The Effects of Liver Transplantation on Stool Microbiome: A Pilot Study  
David Victor, Lissa Franco, Namid Ajami, S Bell, Susan Dormian, Keri Lunsford, Robert McFadden, Constance Mobley, Ashish Saharia, Victor Ankoma-Sey, Chukwuma Egwim, Joseph Galati, Eamonn Quigley and R. Gobriel

377: Tryptophan Metabolism in Portal Venous System and Link to Microbiome and Inflammation in Chronic Hepatitis C  
Rabab Ali, Gabriella Quinn, Karen Hill, Grace Zhang, Elizabeth Townsend, Lisa Scheuing, Christopher Koh, Shukantala Rampertaap, Sergio Rosenzweig, Elliott Levy, David Kleiner, Ohad Etzion and Theo Heller

378: The Poor Reactivity to Ursodeoxycholic Acid in Patients with Primary Biliary Cholangitis Might Affect the Long-Term Prognosis through Their Gut Dysbiosis  
Masanori Furukawa, Kei Moriya, Kosuke Kaji, Tadashi Namisaki, Kenichiro Seki, Soichiro Saikawa, Shinya Sato, Yasuhiro Sawada, Hiroaki Takaya, Yasushi Okura, Naotaka Shimozato, Hitoko Kawaratani, Mitsuteru Kitade, Takemi Akahane, Akira Mitoro, Junichi Yamao and Hitoshi Yoshiji

379: The Role of HMGB1 on Lipid Packaging in the Intestine  
Harriet Gaskell, Xiaodong Ge, Daniel Lantvit, Grace Guzman and Natalia Nieto

380: The Changes of Intestinal Mucosal Barrier and Intestinal Microflora after Spleenectomy in Patients with Cirrhosis Portal Hypertension  
Yang Zhao, Fanhu Ji, Rui Zhou, Ying Guo, An Jiang, Zwei Du, Shaoying Zhang, Lan Yang, Chongyu Zhang, Na Huang, Na Huang, Guangyao Kong and Zongfang Li

380A: Plasma Levels of Bile Acids and Immune Biomarkers Are Associated with Hepatocellular Carcinoma Among Those with Liver Cirrhosis  
Shenhaz Hussain, Otoniel Martinez-Maza, Larry Magpanantay and Vatche Agopian

HBV: New and Approved Therapies

381: Three Year Efficacy and Safety of Tenofovir Alafenamide (TAF) Compared to Tenofovir Disoproxil Fumarate (TDF) in Hbeag-Negative and Hbeag-Positive Patients with Chronic Hepatitis B  
Henry Chan, Young-Suk Lim, Wai Kay Walter Seto, Kosh Agarwal, Maurizia Brunetto, Harry Janssen, Florin Caruntu, Tatjana Stepanova, Owen Tsang, Hiroshi Yatsuhashi, Won Young Tak, Chi-Yen Chen, Mustafa Celen, Vithika Suri, John Flaherty, Lanjia Lin, Andrea Cathcart, Anuji Gaggar, Calvin Pan, . Shalimar and Maria Buti

382: HBsAg Clearance in Patients with Chronic Hepatitis B: Durability and Recurrence Factors  
Yali Wu, Nan Geng, Yali Liu, Junfeng Lu, Zhenhuan Cao, Yi Jin, Lina Ma, Chengli Shen and Xinyue Chen

383: Inarigivir Is a Novel Selective Inhibitor of the HBV Replicase Complex in Vitro  
Danni Colledge, Kathy Jackson, Vitina Sozzi, Xin Li, Michael Beard, Nicholas Eyre, Junjie Zhang, Haitao Guo, Nezam Afdhal, Radhakrishnan Iyer and Stephen Locarnini

384: On-Treatment ALT Normalization Has No Statistical Significant Impact on Liver Stiffness Regression in Chinese Chronic Hepatitis B Patients with Advanced Fibrosis or Cirrhosis Receiving Tenofovir Disoproxil Fumarate Therapy  
Lai Wei, Ji Shang, Qingshe Xie, Zhansheng Jia, Pujun Gao, Junping Shi, Xinyue Chen, Jiefei Wang, Min Xu, Lioyou Zhang, Yingren Zhao, Maorong Wang, Wang Mao, Wei Zhao, Zong Zhang, Jingda Jia, Hong Tang, Jinmei Zhang, Xin Zhang, Cui Xiaong and Mingfeng Zhu

385: Serial Changes in Serum Levels of Mac-2 Binding Protein Glycosylation Isomer and Risk of Hepatocellular Carcinoma in Chronic Hepatitis B Patients Treated with Nucleos(t)ide Analogues  
Yao-Chun Hsu, Tomi Jun, Yen-Tsung Huang, Ming-Lun Yeh, Jaw-Town Lin, Ming-Lung Yu, Mindie Nguyen and Yasuhito Tanaka

386: No Resistance to Tenofovir Alafenamide Detected through 144 Weeks of Treatment in Patients with Chronic Hepatitis B  
Henry Chan, Patrick Marcellin, Calvin Pan, Andrea Cathcart, Neenu Bhardwaj, Yang Liu, Bandita Parhy, Eric Zhou, David Hsieh, Silvia Chang, Ross Martin, Becket Feierbach, Hongmei Mo, Anuj Gaggar, John Flaherty, Shalimar, Naniki Izumi and Young-Suk Lim

387: Recently Approved Heplisav-B® (Hepatitis B Vaccine (Recombinant), Adjuvanted) Shows a Lower Proportion of Subjects with Non- and Low Response Compared with Engerix-B® (Hepatitis B Vaccine (Recombinant)) in Pooled Analysis of Trials  
Randall Hyer and Robert Janssen
Poster Sessions

388: Live Cell Imaging of Hepatitis B Virus Core Protein to Visualize Virus Particle Dynamics in the Host
Sailo Sugimoto, Taro Yamashita, Tetsuro Shimakami, Hikari Okada, Takayoshi Shirasaki, Kouki Nio, Masao Honda and Shuichi Kaneko

★ 389: Effectiveness of Response-Guided Peginterferon Alfa-2a Therapy in Nucleos(t)ide Analogs Treated Patients with Hbeag-Positive Chronic Hepatitis B: Interim Analysis of a Prospective, Multicenter, Randomized Study
Qing Xie, Wei Cai, Lijuan Ouyang, Yueqiu Gao, Shibo Li, Jie Xu, Chuanwu Zhu, Jianchun Xian, Guizhou Zou, Yue-Yong Zhu and Guancheng Huang

★ 390: First in Human Study of GS-9688, an Oral Toll-like Receptor 8 (TLR8) Agonist, in Healthy Volunteers: Assessment of Safety, Tolerability, Pharmacokinetics, Pharmacodynamics and Food Effect
Maribel Reyes, Justin Lutz, Audrey Lau, Anuj Gaggar, Ethan Grant, Adarsh Joshi, Richard Mackman, John Ling, Anita Mathias, Polina German and Edward Gane

★ 391: Long-Term Efficacy of Tenofovir Disoproxil Fumarate Monotherapy for Multidrug-Resistant Chronic Hepatitis B
Hye Won Lee, Junyong Park, Jin-Woo Lee, Ki Tae Yoon, Chang Wook Kim, Hana Park, Young Seok Kim, Soon Koo Baik, Soon Koo Baik, Soon Koo Baik, Soon Koo Baik, Jung Il Lee, Beom Kyung Kim, Kwang-Hyub Han, Sang Hoon Ahn, Sang Hoon Ahn and Sang Hoon Ahn

392: Cytomegalovirus-Based HBsAg Vaccine Induces Robust T Cell Responses and Exerts Antiviral Effects in HBV-Replication Mice
Hongming Huang, Jia Liu and Dongliang Yang

393: Establishment of High Rates of Functional Control and Reversal of Fibrosis Following Treatment of Hbeag Negative Chronic HBV Infection with REP 2139-Mg / REP 2165-Mg, Tenofovir Disoproxil Fumarate and Pegylated Interferon Alpha-2a

394: Gene Editing By CRISPR/Cas Targeting CccDNA Exerts Strong Anti-Viral Effect in Combination with Nucleoside Analogue.
Kazuhiro Murai, Takahiro Kodama, Hayato Hikita, Makoto Fukuoka, Keisuke Fukutomi, Takao Yamai, Tasuku Nakabori, Ryoko Yamada, Ryotaro Sakamori, Tomohide Takehara

395: Targeting Neddylation, a Potential Strategy in Anti-HBV Therapy
Mingjie Xie, Fan Yang, Zhenggang Yang, Liyan Shui and Min Zheng

396: Impact of Steatosis on Fibrosis Progression in Chronic Hepatitis B Patients: Results from 239 Paired Liver Biopsies before and after Anti-Viral Therapy
Yameng Sun, Xiaoning Wu, Xinyan Zhao, Jialing Zhou, Shanshan Wu, Yuanyuan Kong, Bingqiong Wang, Shuyan Chen, Yiwen Shi, Xiaojuan Ou, Jidong Jia and Hong You

397: Hepatitis B Core-Related Antigen and the Novel Scale-B Score to Predict Relapse Risk after Cessation of Nucleos(t)ide Analogs in Patients with Chronic Hepatitis B

398: Tenofovir-Based Combination Therapy or Monotherapy for Multi-Drug Resistant Chronic Hepatitis B: Five Year Follow-up Data of Multicenter Prospective Cohort Study (Final results)
Hyung Joon Yim, Sang Jun Suh, Young Kul Jung, Seong-Gyu Hwang, Hana Park, Yeon Seok Seo, Soon Ho Uam, Sae Hwan Lee, Young Seok Kim, Jae Young Jang, In Hee Kim, Hyung Su Kim, Ji Hoon Kim, Young-Sun Lee, Eileen Yoon, Myeong Jun Song and Junyong Park

399: Early Quantitative Response of Hepatitis B Surface Antigen is Associated with Seroclearance in Patients with Chronic Hepatitis B during Nucleot(s)ide Analog Therapy
Murata Ayato, Takuya Genda, Sho Sato, Nozomi Amano, Hironori Tsuzura, Ko Tomishima, Shunsuke Sato, Kohei Matsumoto, Yuji Shimada, Masashi Mori and Katsuoyuri Iijima

400: Nucleoside Analogue Therapy in Acute Hepatitis B Infection: A Retrospective Review of 8 Years of Experience from King’s College Hospital
Thomas Tranah, Peter Foulser, Abid Suddle, Sarah Brown, William Bernal, Geoffrey Dusheiko, Ivana Carey and Kosh Agarwal

401: Safety, Pharmacokinetics and Pharmacodynamics of Oral TLR8 Agonist GS-9688 in Patients with Chronic Hepatitis B: A Randomized, Placebo-Controlled, Double-Blind Phase 1b Study
Edward Gane, Hyung Joon Kim, Kumar Viswanathan, Yoon Jun Kim, Anh-Hoa Nguyen, Adarsh Joshi, Maribel Reyes, Audrey Lau, Anuj Gaggar, Mani Subramanian, Stuart Roberts and Young-Suk Lim

402: In Vitro Antiviral Activity and Mode of Action of JNJ-64530440, a Novel Potent Hepatitis B Virus Capsid Assembly Modulator in Clinical Development
Jan Martin Berke, Pascale Dehertogh, Karen Vergauwen, Thierry Verbinnen, Sandrine Vendeville, Pierre Raboisson and Frederik Pauwels

403: Antiviral Activity of a New siRNA Targeting a Hyper-Conserved Region in Hepatitis B X Gene Transcripts: Preliminary Data.
Sheila Maestro, Maria Francesca Cortese, Carolina Gonzalez, David Tabernero, Mar Riveiro Barciela, Maria Buti, Gloria Gonzalez-Aseguinolaza and Francisco Rodriguez-Frias
404: Bone and Renal Safety Are Improved in Chronic HBV Patients 1 Year after Switching to Tenofovir Alafenamide (TAF) from Tenofovir Disoproxil Fumarate (TDF)
Wai Kay Walter Seto, Maria Buti, Namiki Izumi, Young-Suk Lim, Jia-Hong Kao, Adrian Steinu-Cercl, Elena Nurmukhametova, Xiaoli Ma, Fahmi Tabak, Maciej Jablonski, Vishika Surti, John Flaherty, Audrey Lau, Anuj Gaggar, Shuyuan Mo, Abhijit Chowdhury, Scott Fung, Wan-Long Chuang and Edward Gane

405: Switching to Peginterferon for Chronic Hepatitis B Patients with Hepatitis B e Antigen Seroconversion on Entecavir – a Prospective Study
Henry Chan, Fiona Wai Sze Chan, Aric Josun Hui, Michael Kin Kong Li, Kam Hon Chan, Grace Lai Hung Wong, Ching Kong Loo, Angel Mei Ling Chim, Chi Hang Tse and Vincent Wong

406: Variance between Experts and Community Clinicians in Treatment of Chronic Hepatitis B Infection
Zachary Schwartz, Jenny Schulz, Edward King, Robert Brown, Natalie Bzowej, Jordan Feld and Norah Terrault

407: Serum Hepatitis B Core-Related Antigen Can Predict Hbeag Seroconversion in Chronic Hepatitis B Patients
Xiumei Chi, Zhongfeng Wang, Ruihong Wu, Xiaomei Wang, Xiuzhu Gao, Hongxin Xu and Junqi Niu

408: Predictability of Serum HbcAg, HBsAg and Interferon Inducible Protein 10 (IP10) Levels in Non-Cirrhotic Hbeag-Negative Chronic Hepatitis B Patients Who Discontinue Entecavir (ETV) or Tenofovir (TDF) Therapy: Results from the Prospective Daring-B Study

409: Novel Candidate Drugs That Target CccDNA of HBV
Yoshiki Murakami, Michiyo Hayakawa, Saori Itami-Matsumoto, Mari Ando, Yutaka Yata, Masaru Enomoto, Akhiro Tamori, Norifumi Kawada, Takashi Honda, Yoshihiko Yano, Mitsuo Iwadate and Hideaki Umezawa

410: Efficacy and Renal Safety of Long-Term Tenofovir Disoproxil Fumarate Therapy in Chronic Hepatitis B Patients with Normal or Mild Renal Dysfunction (eGFR ≥60 mL/min/1.73m²)
In Hee KIM, Chang Hun Lee, Seong Hun Kim, Sang Wook Kim, Seung Ok Lee and Soo Teik Lee

411: Differential Effect of Hepatitis B Viral Suppression on Hepatocellular Carcinoma Development According to the Phase of Initial Antiviral Treatment: A Multicenter Study
Young Chang, Jeong-Hoon Lee, Sung Won Chung, Minseok Kim, Sun Woong Kim, Hyou Young Lee, Jun Sik Yoon, Yun Bin Lee, Eun Ju Cho, Su Jong Yu, Yoon Jun Kim and Jung-Hwan Yoon

412: Monotherapy with Tenofovir Disoproxil Fumarate for Multiple Drug-Resistant Chronic Hepatitis B: Results of 5-Year Clinical Trial
Jonggi Choi, Young-Suk Lim, Yung Sang Lee, Han Chu Lee, Geum-Youn Gwak, Kwan Soo Byun, Yoon Jun Kim, Byung Chul Yoo and So Young Kown

413: The Optimizing Treatment of Peg Interferon Alpha in Hbeag Negative Chronic Hepatitis B Patients with Low Level HBsAg: A Multicenter Real World Study (Interferon Cure Study, I CURE Study)
Zhiliang Gao, Xiang Zhu, Bingliang Lin, Jianhua Li, Wenjun Gao, Youming Chen, Dongying Xie, Hong Deng, Chaoshuang Lin, Jing You, Chunlan Zhang, Qifen Xie, Yinong Ye, Xiaohong Zhang, Liang Peng, Weiqiang Gan and Qiyi Zhao

414: Promising Antiviral Combination Therapy Targeting HBV Eradication with Nucleoside Analogue, Interferon, Statin, and a Novel Compound Derived from Spice
Kazuya Okushin, Hidetaka Fujinaga, Takeya Tsutsumi, Kazuhiko Ikeuchi, Akira Kado, Kenichiro Enooku, Hiroshi Yotsuyanagi, Kazuhiko Koike and Kyoji Moriya

415: Pharmacokinetics of Tenofovir Exalidex (TXL) in Severe Renal Impairment: No Need for Dosage Adjustment
Michael Snyder, Jenel Cobb, Carlos Canizares, Theresa Matkovits and Robert Foster

416: Prevalence and Incidence of Subclinical Proximal Tubulopathy (SPT) over 96 Weeks in Chronic Hepatitis B (CHB) Patients Treated with Entecavir (ETV) or Tenofovir Disoproxil (TDF) without Renal Insufficiency (RI) or Hypophosphatemia during the Follow-up.

417: Treatment Cessation in Chronic Hepatitis B: Predicting Off-Treatment Durability Via Combination of Viral Markers
Wai Kay Walter Seto, Kevin Liu, Lung-Yi Mak, Ka Shing Cheung, Danny Ka Ho Wong, Fen Liu, James Fung, Ching Lung Lai and Man-Fung Yuen

418: CRV431, a Cyclophilin Inhibitor, Reduces Fibrosis and Tumor Burden in Mice with Hepatocellular Carcinoma
Joseph Kuo, Michael Bobardt, Udayan Chatterji, Daniel Trepanier, Daren Ure, Philippe Gallay and Robert Foster
Poster Sessions

419: Outcomes of the First 44 Patients at 48 Weeks in the HBV-STOP Study, a Prospective Study of Nucleos(t)ide Analogue Discontinuation in Non-Cirrhotic Hbeag-Negative Chronic Hepatitis B Patients Who Have Achieved Long Term Virological Suppression
Samuel Hall, Gareth Burns, Miriam Levy, John Lubel, Amanda Nicoll, Gail Matthews, Paul Desmond, William Sievert, Scott Bowden, Stephen Locarnini, Kumar Viswanathan and Alexander Thompson

420: Controlled Attenuation Parameter but Not PNPLA3 Polymorphism Is the Independent Factor of Abnormal ALT after Well Viral Suppression in Chronic Hepatitis B Infection Patients
Hung-Chih Chiu, Ting-Tsung Chang, Yen-Cheng Chiu, I-Chih Wu and Pin-Nan Cheng

421: Long-Term Follow-up of Peginterferon α-2b (40kD, Y Shape) (Pegberon) Treatment of Hbeag-Positive Chronic Hepatitis B Patients in Phase III Study
Guoqiang Wang, Fengqin Hou, Mingxiang Zhang, Dazhi Zhang, Zhanzhong Peng, Jia Shang, Shujun Chen, Guozhong Gong, Yongping Chen, Maorong Wang, Chen Pan, Qing Xie, Wei Zhao, Jiajun Liu, Jie Peng, Qing Mao, Chibiao Yin, Jiming Zhang, Zhen Zhen, Liang Chen, Deming Tan, Hao Wang, Qianguo Mao, Qinhua Meng, Chengwei Chen and Li Sun

422: Eliminating HBV Virus By Disrupting the Synthesis of HBV Covalently Closed Circular DNA
Yong Liao, Di Mu and Lingyu Jiang

423: Early Adoption of Tenofovir Alafenamide (TAF) for Hepatitis B in US Clinical Practice; Real-World Evidence from the Trio Network
Michael Curry, Ho Bae, Douglas Dieterich, Victor Ankoma-Sey, K Rajender Reddy, Calvin Pan, Hie-Won Hann, Myron Tong, W. Ray Kim, Paul Kwo, Nancy Reau, Lynn Frazier, Scott Milligan and Nezam Afdhal

424: Renal Safety after Switching from Long-Term Nucleotide Analogue Treatment to Tenofovir Alafenamide: A Real-World Experience in Patients with Chronic Hepatitis B

425: SIDE Effects of Nucleos(t)ide Analogues in the Treatment of Chronic Hepatitis B: Analysis of Vigiaccess
Raquel de Fraga, Gustavo Belchior, Flair Carrilho and Suzane Kikko Ono

426: Safety and Immunogenicity of Single and Multiple Injections of the Therapeutic Vaccine TG1050 in NUC-Suppressed Chronic Hepatitis B (CHB) Patients: Unblinded Analysis of a Double-Blind, Placebo-Controlled Phase 1b Study
Claire Fournier, François Habersetzer, Martin Sprinzl, Stanislas Pol, Carla Coffin, Vincent Leroy, Ming Ma, Heiner Wedemeyer, Ansgar Lohse, Robert Thimme, Perrine Martin, Genevieve Inchauspe, Coline Halluard, Benoit Sansas, Kaidre Bendjama, Maud Brandely and Fabien Zoulim

427: Dynamic Relationship between Ccdna Transcriptional Activity and HBV Pgrna, DNA and HBsAg Levels after Tdf Treatment in Vitro
Huili Liao, Jian Jiang, Hui Wang, Su Minghua, Man Du, Yu Liu, Rong Wang, Bian Cao, Yu Wu, Bo Hu and Zhi Liu

428: Evaluating the Translational Value of the Woodchuck Model of Chronic Hepatitis B with the Toll-like 7 Receptor Agonist Vesatolimod
Scott Balsitis, Sandra Spurlock, Divya Pattabiraman, Ruth Chu, Stephane Daffis, Jim Zheng, Bei Lei, Sarina Ma, William Rowe, Christian Voitenleitner, Magdeleine Hung, Paul Cote, William Delaney and Simon Fletcher

429: A Double-Blind Randomized Controlled Trial of Intradermal Hepatitis B Vaccination with Topical Imiquimod in Subjects with Occult Hepatitis B Infection
Ivan FN Hung, Danny Ka Ho Wong, Wai-Kay Seto, James Fung, Kwok-Yung Yuen and Man-Fung Yuen

430: Efficacy of Pegylated Interferon α-2a Therapy for HBsAg ≤1500 IU/MI CHB Patients with a Prior Nas History
Fengping Wu, Yaping Li, Mei Li, Wenjun Wang, Xiaoli Jia, Xin Zhang, Juanjuan Shi and Shuangguo Dang

431: The Determination of Tenofovir Level in Breast Milk of Nursing Mothers Under Tenofovir Therapy
Umran Sumeyse Erturk, Biligul Mete, Resat Ozaras, Nese Saltoglu, Ilker Balkan, Ali Mert, Bahar Kacmaz, Onursal Saglam, Berrak Guney, Ozden Sayman and Fehmi Tabak

432: MMP2/MMP9 Mediated CD100 Shedding Is Crucial for Inducing Intrahepatic Anti-HBV CD8 T Cell Response and HBV Clearance
Shangqing Yang, Lu Wang, Dongliang Yang and Jia Liu

433: Hepatitis B Patients Under Oral Nucleos(t)ide Treatment with Intermittent Kidney Function Assessment (The BONIKA-Study) – 1-Year Follow up Data of a Multicenter, Prospective, Observational Trial (NCT-Nr. 02267473)
Kathrin Sprinzl, Alisa Kubesch, Svenja Steinhoff, Sophie Von Hatzfeldt, Johannes Vermehren, Tania Welzel, Annette Grambihler, Arndt Weinmann, Peter Galle, Stefan Zeuzem, Martin Sprinzl and Christoph Sarrazin

434: Low Dose Tenofovir Disoproxil Fumarate Improves Kidney Function and Sustains Virologic Suppression in Renally Compromised Chronic Hepatitis B Patients
Kin Seng Lim, Scott Fung, David Wong, Alireza Zahirieh, Hemant Shah, Colina Yim, Jordan Feld, Bettina Hansen and Harry Janssen

435: High HBsAg Loss after 13 Years of Follow-up of Interferon-Alpha Treatment for Hbeag-Positive Chronic Hepatitis B: Results from the Elite-B Study
Hannah Choi, Rong Wang, Bian Cao, Yu Wu, Bo Hu and Zhi Liu

436: The Impact of Non-Alcoholic Fatty Liver Disease (NAFLD) on the Rates of Biochemical and Virological Responses in Chronic Hepatitis B Patients Under Antiviral Therapy
Kevin T. Chaung, Jie Li, An Le, Joseph Hoang and Mindie Nguyen

★ Denotes AASLD Presidential Poster of Distinction
★ Denotes AASLD Foundation Abstract Award Recipient
Poster Sessions

437: A Large Cohort Study Examining the Effects of Long-Term Entecavir on Hepatocellular Carcinoma and HBsAg Seroclearance
Kwan Lung Ko, Wai Pan To, Lung-Yi Mak, Wai Kay Walter Seto, James Fung, Ching Lung Lai and Man-Fung Yuen

438: Investigational Treatment Combining TG1050, an HBV-Specific Immunotherapeutic, with Direct Acting Antivirals or Immunomodulators, Improves Supported Antiviral Effects and Immune Responses in HBV-Persistent Mice
Roland Kratzer, Karine Lélu, Alexei Evlachev, Marie Baldazza, Doris Schmitt, Nathalie Silvestre, Benoit Sansas, Antoine Carpentier, Claire Banissi, Abigail Liebow, Stuart Milstein, Laura Sepp-Lorenzino, Yunfu Chen, Qingyun Ren, Li Jing, Genevieve Yao Xie, Ge Shen, Shu-Ling Wu, Ru-Yu Liu, Min Chang, Lei-Ping Hu and Christopher Westland

439: Single-Dose Pharmacokinetics (PK), Safety and Tolerability of JNJ-64530440 (JNJ-0440), a Novel Hepatitis B Virus (HBV) Capsid Assembly Modulator (CAM), in Healthy Volunteers (HV)
Thomas Kakuda, Jeyaen Yogaratnam, Edward Gane, Christian Schwabe, Christopher Westland, Jennifer Vuong, Willem Talloen, Oliver Lenz, John Fry, Sushmita Chanda and Pieter Van Remoortere

440: HBV Vaccination Can Accelerate HBsAg Seroclearance in Chronic Hepatitis B Patients Who Loss HBsAg: A Randomized Controlled Trial - Preliminary Analysis
Tawesak Tanwandee and Suppawat Jiraphairot

441: The Durability of HBsAg Loss and Clearance of Viremia with Interferon Versus Oral Antiviral with Add-on Interferon Therapy
Calvin Pan, Ming-Hui Li, Wei Yi, Lu Zhang, Yao Lu, Hong-Xiao Hao, Gang Wan, Wei-Hua Cao, Xing-Yue Wang, Chong-Ping Ran, Ge Shen, Shu-Ling Wu, Ru-Yu Liu, Min Chang, Lei-Ping Hu and Yao Xie

442: A Comparative Study between Prophylactic and Preemptive Therapy of HBV Infection in Immunocompromised Individuals
Abdelfattah Hanno, Mohamed Shazly, Abaas Omar, Marwa Ibrahim and Mohamed Ismaailel

443: Identification of Novel HBV Inhibitors Via PURE (P-450s under Restriction) Screening
Christine Espiritu, Scott Kuduk, George Hartman and Angela Lam

444: Chronic Hepatitis B Patient Treated with Tenofovir (TDF) May Experience Increased Risks of Orthopedic Disorders and Renal Deficits Compared to Those Treated with Entecavir (ETV)
Tsung-Hui Hu, Pao-Yuan Huang, Kuo-Chin Chang, Po-Lin Tseng, Yi-Hao Yen and Ming-Chao Tsai

445: Treatment of Hepatitis B in the US; Real-World Evidence from the Trio Network
Ho Bae, Michael Curry, Douglas Dieterich, Victor Ankoma-Sey, Krajender Reddy, Calvin Pan, Hie-Won Hann, Myron Tong, W. Ray Kim, Paul Kwo, Nancy Reau, Lynn Frazier, Scott Milligan and Nezam Afshar

446: Kinetics of Serum Hepatitis B Core Related Antigen (HBcrAg) in Non-Cirrhotic Hbeag-Negative Chronic Hepatitis B (CHBe-) Patients Who Discontinue Effective Long-Term Therapy with Entecavir (ETV) or Tenofovir Disoprolx Fumarate (TDF)
Margarita Papatheodorid, Françoise Berby, Barbara Testoni, Emilia Hadziyannis, Kalliope Zachou, Aggeliki Lyberopoulou, George Dalekos, Fabien Zoulim and George Papatheodoridis

447: A Prospective Randomized Cohort Study to Investigate Outcomes of Extended Consolidation Periods of 12 Months Versus 18 Months of Tenofovir Disoprolx Fumarate Treatment in Asian Chronic Hepatitis B Hbeag-Positive Patients
Chun-Hsiang Wang, Kuo-Kwan Chang, Ming-Jeng Kuo and Yuan-Tsong Tseng

448: Entecavir Add-on or Switch-to Pegylated Interferon Improves HBsAg Clearance in HBe antigen Negative Chronic Hepatitis B Patients
Lei Yan, Yezhou Ding, Liwen Chen, Zhujun Cao, Kehui Liu, Qing Xie, Yumin Xu and WANG Hui

449: Comparisons of HBsAg Change and HBsAg Loss between Hbeag-Negative Patients Chronic Hepatitis B Patients Who Discontinued Entecavir and Those Who Continued Entecavir Therapy
Chien Hung Chen, Cheng-Yuan Peng, Tsung-Hui Hu and Jing-Houng Wang

450: Preclinical Characterization of Galxc™ RNAi Therapeutics Targeting Different Regions of the HBV Genome
Martin Koser, Kevin Craig, Wendy Cyr, Weimian Wang, Bob Brown and Marc Abrams

451: Two Type of Tenofovir Disoprolx Fumarate in Chinese Patients with Chronic Hepatitis B : First-Stage Results at Week 48
Liang Ronyuye, Jinghang Xu, Chongwen Si, Sa Wang, Jia Shang, Zuiang Yu, Qig Mao, Qig Xie, Wei Zhao, JUN Li, Zhiliang Gao, Shanning WU, Hong Tang, Jun Cheng, Xinyue Chen, Wenhong Zhang, Hao Wang, Zhongnan Xu, Ling Wang, Jun Bai and Yanyan Yu

452: Long-Term Clinical Outcomes of Chronic Hepatitis B Patients Treated with Entecavir Vs. Tenofovir: A Retrospective, Observational, Comparative Study
Byeong Woo Cho, Ji Woong Jang, Hee Bok Chae, Suk Bae Kim and Il Han Song

453: A Prospective, Open-Label, Dose-Escalation, Single-Center, Phase 1 Study for GC1102, a Recombinant Human Immunoglobulin for Chronic Hepatitis B Patients
Hye Won Lee, Jun Yong Park, Taegon Hong, Min Soo Park and Sang Hoon Ahn

454: Initiation of Antiviral Therapy at 24 Weeks of Gestation Is Recommended to Eliminate HBV Infection
Naijuan Yao, Jinfeng Liu, Jing Wang, Tianyan Chen and Yingren Zhao

455: Global Scientific Strategy for an HBV Cure
Peter Revill, Fabien Zoulim and Capucine Penicaud

Presenters in Attendance Noon – 1:30 PM

Poster Viewing: 8:00 AM – 5:30 PM

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Poster Sessions

456: Pharmacodynamic Response to Oral Administration of the Selective Toll-like Receptor 8 Agonist GS-9688 in Healthy Volunteers
Ethan Grant, Adarsh Joshi, Natarajan Ayyathan, Stephane Daffis, Jacky Woo, Tina Lam, Richard Mackman, Simon Fletcher, Anuj Gaggar, Audrey Lai, Shyamasundaran Kottillil and Bhawna Poonia

457: Entecavir and Granulocyte-Macrophage Colony Stimulating Factor Combination Treatment of Patients with Hbeag-Positive Chronic Hepatitis B and Effect on Function of NK Cell
Ping Zhao, Hanwei Li, Tao Yan, Tao Liu, Yongqian Cheng, Xueyuan Jin, Xiao Jia, Yi Wang, Jian Wang and Hong Liu

458: First Real World Experience of Prescribing Tenofovir Alafenamide for Chronic Hepatitis B Patients in Germany
Jörg Petersen, Christian Hoffmann, Ansgar Rieke, Christoph Hoener Zu Siederdissen, Holger Hinrichsen, Wolf Peter Hofmann, Karl-Georg Simon, Florian van Bömmel, Johannes Vermehren, Gerlinde Teuber, Olaf Degen, Kilian Weigand, Christoph Antoni, Nektarius Dikopoulos, Stefan Christensen, Kerstin Stein, Heiner Wedemeyer, Ulrich Spengler, Susan Adel and Peter Buggisch

★458A: Validation of End-of-Treatment HBsAg Cut-Off Level As 200 IU/ML in Off-Nuc Therapy Hbeag Negative Chronic Hepatitis B Patients
Wen-Juei Jeng, Yi-Cheng Chen, Rong-Nan Chien, I-Shyan Sheen and Yun-Fan Liaw

458B: HBsAg Kinetics Prior to HBsAg Loss after Cessation of Entecavir Therapy in Hbeag-Negative Chronic Hepatitis B Patients
Wen-Juei Jeng, Ming-Ling Chang and Yun-Fan Liaw

★458C: Adefovir or Tenofovir Reciprocally Augments Pro-Inflammatory Cytokines in LPS-Stimulated PBMC By Inhibiting IL-10 Production in CD14+monocytes
Kazumo Murata, Masaya Sugiyama and Masashi Mizokami

★458D: Association of Circulating Hepatitis B Virus (HBV) Biomarkers with HBsAg Loss and Absence of Re-Treatment after Discontinuation of Long Term Treatment with Tenofovir (DF) in HBeAg Negative Patients in the Finite Study
Florian van Bömmel, Alena Van Bömmel, Danilo Deichsel, Maria Pfefferkorn, Christin Felkel, Janett Fischer, Sandra Krohn, Karen Rother, Jessica Wacker, Martin Brehm, Rainer Dannenberg, Anuj Gaggar, William Delaney, Andrea Cathcart and Thomas Berg

★458E: HBV RNA Can Still be Quantified in Serum in HbeAg Negative Patients after Suppression of HBV DNA By Nucleos(ide) Analogues for up to 10 Years
Florian van Bömmel, Danilo Deichsel, Alessandro Loglio, Floriana Facchetti, Thomas Berg and Pietro Lampertico

458F: A Novel HBV Capsid Formation Inhibitor That Additively Inhibits Virus Replication in Combination with Tenofovir or IFN-α
Zhijun Zhang, Bo Liang, Yun-Yueh Lu and Huaming Chen

Health Care Delivery, Access, and Quality

★459: Poor Adherence to the Quality Indicator of Paracentesis in Hospitalized Cirrhotics with Ascites and Hepatic Encephalopathy
Russell Rosenblatt, Zaid Tafesh, Nicole Shen, Gaurav Ghosh, Catherine Lucero, Sonal Kumar, Brett Fortune, Robert Brown and Arun Jesudian

★460: Nutritional Assessment and Management in Cirrhotic Inpatients Can be Significantly Improved after Dedicated Staff Training
Bradley Reuter, Jawaid Shaw, Jennifer Hanson, Victoria Tate and Jasmohan Bajaj

★461: Women with Cirrhosis Are at Increased Risk of Hospitalization Compared to Men
Jessica Rubin, Marie Sinclair, Robert Rahimi, Elliot Tapper and Jennifer Lai

★462: A Growing Proportion of Patients with Newly-Diagnosed Cirrhosis Are Young and Have a Greater History of Alcohol Abuse
Eric Orman, Manwan Ghabril, Lauren Nephew, Anna Roberts, Niharika Samala, Craig Lammert, Eduardo Vilar-Gomez, Raj Vuppalanchi, Samer Gawrie and Naga Chalasani

463: Drug-Related Deaths Among People Living with and without Hepatitis C in British Columbia (BC), Canada
Hasina Samji, Amanda Yu, Carmine Rossi, Jason Wong, Zahid Butt, Mark Gilbert, Maria Alvarez, Nuria Chapinal, Stanley Wong, Mawuena Binka, Maryam Darvishian, Mark Tyndall, Mel Kraijen and Naveed Janjua

464: Patients with Medicaid Have Significantly Higher Model for End Stage Liver Disease Scores at Time of Waitlist Registration and at Time of Liver Transplantation
Ann Robinson, Benny Liu, Robert Gish, Taft Bhuket and Robert Wong

465: The Utility of the Electronic Medical Records System (EMR) in Improving the Quality of Care Provided to Patients with Cirrhosis Seen in the Outpatient Setting
Nizar Talat, Eric Gochanour, Ahmed Hamed, Larisa Garkusha, Nannaya Jampala and Hans Tillmann

466: Hepatologists' Perspectives on Palliative Care (PC) for Patients with End-Stage Liver Disease (ESLD): A National Survey Study
Nneka Ufere, John Donlan, Jules Dienstag, Lawrence Friedman, Kathleen Corey, Nikroo Hashemi, Peter Carolan, Alan Mullen, Michael Thim, Irun Bhan, Raymond Chung and Areej El-Jawahri

467: Establishing Efficient Systems through Electronic Medical Records to Promote Intra-Hospital Referrals of Hepatitis Virus Carriers to Hepatology Specialists: A Multicenter Questionnaire Survey of 1,314 Healthcare Providers
Masaru Enomoto, Shuichi Sato, Atsushi Suetsugu, Tomomitsu Matono, Isao Hidaka, Minoru Sakamoto, Mika Horino, Kiyoko Ito, Koji Ogawa, Jun Inoue and Masaaki Korenaga
Poster Sessions

468: Impact of State Law Mandated Hepatitis C Virus (HCV) Screening and Automated Confirmatory Testing on Screening Disparities and Delivery of Healthcare across Medical and Surgical Departments
Nicole Shen, Russell Rosenblatt, Kevin Chan, Amit Mehta, Carrie Johnston, Xiaoyue Ma, Arun Jesudian, Brett Fortune, Sonal Kumar and Robert Brown

469: HCV Age Cohort Screening Follows a Power-Law Distribution
Mohammad Qasim Khan, Kaushal Majmundar, Yuliya Belopolisky, Mohammad Beig, Amoah Yeboah-Korang, Amnon Sonnenberg and Claus Fimmel

470: The Prevalence, Diagnosis Rate, and Treatment Rate of Hepatitis C Infection in the United States: A Nationwide Study
Yee Hui Yeo, Donghak Jeong, Sally Tran, Eiichi Ogawa, Ramsey Cheung and Mindie Nguyen

471: HCV Mass-Screening through Outreach Caravan in Egypt, 2018
Radi Hamad

472: Public Medical Insurance Predicts Increased Dropout from the Liver Transplant (LT) Waiting List for Patients with Hepatocellular Carcinoma (HCC)
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660: Utilization and Effectiveness of Elbasvir/Grazoprevir for the Treatment of HCV Genotype 1b Infection: Updated Cohort from the US Veteran Affairs Healthcare System
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661: Improvement of Clinical Symptoms and Patient-Reported Outcomes (PRO) after HCV Therapy with Daa in Patients on Opioid Substitution Therapy (OST) - DATA from the German Hepatitis C-Registry (DHC-R) Stefan Christensen, Uwe Naumann, Ralph Link, Renate Heyne, Manfred Nowak, Rainer Guenther, Peter Buggisch, Arne Schäfer, Michael Kraus, Stefan Mauss, Markus Comberg, Yvonne Serfert, Heiner Wedemeyer and German Hepatitis C-Registry

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664: Project IITreat (Integrated Community Based Test -stage-TREAT HCV Service) for People Who Inject Drugs: Clinical, Patient Reported and Health Economic Outcomes.
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665: The Effect on Renal Function Following Treatment with Direct-Acting Antivirals for Hepatitis C Virus (HCV) Infection.
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666: Effect of Ledipasvir/Sofosbuvir or Sofosbuvir/Ribavirin Therapy on Liver Fibrosis in Japanese Patients with Hepatitis C Virus Infection: Results of a Multi-Centre Prospective Observational Study
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667: Sofosbuvir/Velpatasvir for Chronic Hepatitis C Infection in Patients with Transfusion-Dependent Thalassemia
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668: Baseline Rnaseq and Circulating Cytokine/Chemokine Profiles Do Not Predict Subsequent HBV Reactivation (HBVr) in HCV/HBV Coinfected Patients Undergoing Daa Therapy for HCV
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670: Drug-Drug Interactions in the Era of Direct-Acting Antivirals and Clinical Outcome of Patients with Chronic Hepatitis C.
Marcel Nogueira, Ana Lino, Leonardo Otuyama, Nayara Lucena, Graziella Santos, Veridiana Ambrosio, Priscilla Rocha, Raphael Tolentino, Maria Cleusa Martins, Vanusa Pinto, Flair Carrilho and Suzane Kioko Ono

671: Post-Treatment M2BPGi Level Is Useful for Predicting HCC Occurrence and Recurrence after Viral Eradication in Chronic Hepatitis C Patients
Mina Nakagawa, Yasuhiro Asahina, Fukiko Kawai-Kitahata, Miyako Murakawa, Sayuri Nitta, Yasuhiro Tsuji, Seishin Azuma, Sei Kakinuma, Makoto Tomita and Mamoru Watanabe

672: Predicting Factors for Sustained Virologic Response to Directly-Acting Antivirals in Patients Infected with Hepatitis C Virus Genotype 1: Evidences Based on Nation-Wide, Real-World Database in Japan
Naohiko Masaki, Youhei Kawasaki, Yuichi Nozaki, Shintarou Mikami, Yuuki Matsushita and Mikio Yanase

673: A Randomized Open-Label Trial of Paritaprevir Plus Ritonavir Plus Ombitasvir in the Treatment of HCV Genotype 4-Infected Patients with Stage 4-5 Chronic Kidney Disease
Faisal Sanai, Mohamed Babatin, Mohammed Khan, Hamdan Algamdi, Khalid Alsaw, Hassan Aleid, Ahmed Alqahtani, Haziz Abliladi, Abdullah Alghamdi, Faisal Batwa, Abdulrahman Aljamah, Abduljaleel Alalwan, Thamer Aldarsouny, Jawad Basubiah, Ayman Abdo and Hamad Alashgar

674: Short-Term Increase of Central Arterial Stiffness after Achieving Sustained Virological Response By Direct Acting Antiviral Treatment in Chronic Hepatitis C Patients with Advanced Fibrosis
Pin-Nan Cheng, Ju-Yi Chen, Yen-Cheng Chiu, Hung-Chih Chiu and Liang-Min Tsai

675: Comparison of Efficacy of Sofosbuvir Plus Ribavirin in Chinese Patients with Genotype 3a or 3b HCV Infection
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676: Retreatment with Voxilaprevir/Velpatasvir/ Sofosbuvir in Patients with Chronic Hepatitis C Virus Infection and Prior Daa Failure - Results from the German Hepatitis C-Registry (DHC-R)
Johannes Vermehren, Albrecht Stoehr, Julian Schulze Zur Wiesch, Hartwig Klinker, Markus Cornberg, Maria-Christina Jung, Karl-Georg Simon, Yvonne Serfert, Michael Manns, Heiner Wedemeyer, Christoph Sarrazin and German Hepatitis C-Registry

677: Real-World Efficacy of Glecaprevir Plus Pibrentasvir for Patients with HCV with or without Prior Daa Therapies: Evaluation By Deep Sequencing for HCV Strains with NS5A-RAS
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678: Preferences in Clinical Practice with Glecaprevir/ Pibrentasvir (GLE-PIB), Ledipasvir/ Sofosbuvir (LDV-SOF), and Sofosbuvir/Velpatasvir (SOF-VEL); Data from the Trio Network
Michael Curry, Bruce Bacon, Steven Fiamm, Michael Marks, Scott Milligan, Naoky Tsai, Zobair Younossi and Nezam Afdhal

679: National Registration Data for the First Year (2017) of National Health Insurance Reimbursed Direct Antiviral Agents Therapy for Chronic Hepatitis C in Taiwan

680: Use of Hepatitis C Viremic Donor Allografts in HCV-Negative Heart Transplant Recipients
Shalom Frager, Alina Kifayat, Elliot Levine, Abhay Dhand, Alan Gass, David Spielvogel, David Wolf and Roxana Bodin

681: Impact of Obesity on Treatment of Chronic Hepatitis C in Interferon-Free Direct-Acting Antiviral Era
KyDieu Tran, Vanessa Kuwajima and Veysel Tahan

682: Non-Invasive B-Cell Clonality Markers May Help in the Rational Approach to HCV Svr Cryoglobulinemic Patients with Persisting Manifestations
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683: Real-Life Effectiveness and Safety of Velpatasvir/ Sofosbuvir/Voxilaprevir for Previously Daa Treated Patients with Chronic Hepatitis C
Jordi Llaneras, Mar Rivero Barciela, Sabela Lens, Carme Ballellas, Moises Diago, Francisco Javier Garcia-Samaniego, Ana C. Arencibia, Juan Arenas, Isabel Conde, Francisco Gea, Xavier Torras Colliell, Jose Luis Calleja, Jose Antonio Carrion, Inmaculada Fernández, Rosa Morillas, Jose Miguel Rosales Zabal, Isabel Carmona, Conrado Fernandez-Rodriguez, Manuel Nicolas Hernandez Guerra, Susana Llerena, Valeria Bernal, Juan Turmes, Jesus Gonzalez, Silvia Montoliu, Blanca Figueruela, Estter Badia, Manuel Delgado, Miguel Fernandez, Mercedes Ibarrairaegui, Juan Manuel Pascasio, Francisco Rodríguez-Frias, Rafael Esteban-Mur and Maria Buti

684: Direct-Acting Antiviral Treatment Failures and Resistance Associated Substitutions in Hepatitis C Virus Infection in Ireland
Abbie Kelly, Jonathan Dean, Aisling O’Leary, Stephen Stewart, Eoin Feeney, Barry Kelleher, Susan McKiernan, P Aiden McCormick, Frank Murray, Orla Crosse, Diarmuid Houllihan, Colm Bergin, Liam Fanning, Suzanne Norris, Jack Lambert, Sam McConkey, Garry Courtney, John Lee and Cillian De Gascun

685: Sofosbuvir, Velpatasvir, Veloxpravir Efficacy in 12-Week Treatment in Triple Infected (Chronic Hepatitis C, Chronic Hepatitis B, and HIV) Geno 3 Naive Population: An Open Lable Prospective Clinical Trial - (SOLVVE - C)
P Patrick Basu, Nimy John and Mark Aloysius

686: Immunomodulator Effects of Interferon Therapy on Incidence of Cirrhosis and Hepatocellular Carcinoma in Patients with Chronic Hepatitis C
Blaise Kutala, Nathalie Boyer, Corinne Castelnau Marchand, Nathalie Giuly Guigui, Veronique Sitruk, Tarik Asselah and Patrick Marcellin

687: Role of Baseline Viral Load in Real-World Treatment of HCV Genotype 1 (GT1) Infection with Elbasvir/Grazoprevir (EBR/GZR): Results from the German Hepatitis C Registry (DHC-R)
Holger Hinrichsen, Hartwig Klinker, Albrecht Stoehr, Christine John, Renate Heyne, Gerd Klausen, Karl-Georg Simon, Markus Cornberg, Manfred Kuhn, Uwe Naumann, Manfred Bilzer, Veronika Guenther, Vanessa Witte and Stefan Zeuzem

688: Clinical Benefits, Economic Savings and Faster Time to HCV Elimination with a Simplified 8-Week Treatment and Monitoring Program in Chronic F0-F3 Naive Patients in the US
Jordan Feld, Yuri Sanchez Gonzalez, Ana Gabriela Pires and Olivier Ethgen

689: Drug-Drug Interaction Potential of Glecaprevir/ Pibrentasvir Based on Real-World Use of Co-Medications in Patients with Chronic Hepatitis C Virus Infection: Data from the German Hepatitis C Registry (DHC-R)
Johannes Vermehren, Klaus Boeker, Mark Bondin, Stefan Mauss, Anita Pathil, Hartwig Klinker, Thomas Lutz, Fiona Marra, Jan Hettinger, Henning Klein and Peter Buggisch
690: Loss to Follow-up Among Hepatitis C Infected Patients Treated with Direct Acting Antiviral Agents
Maryam Darvishian, Stanley Wong, Amanda Yu, Eric Yoshida, Ainhoor Ramji, Jason Wong, Carmine Rossi, Zahid Butt, Hasina Samji, Darrel Cook, Maria Alvarez, Mawueni Binka, Mei Chong, Nuria Chapinal, Mark Tyndall, Mel Krajden and Naveed Janjua

691: Excellent Safety and SVR12 Rates of HCV Direct Acting Antivirals (DAAs) Treatment in Geriatric Patients: A Real World Data
Tung Huynh and Ke-Qin Hu

692: B.a.R.C.O.S. (Brazilian Argentine Hepatitis C Collaborative Observational Study) Real World Data of HCV Treatment with Daclatasvir and Sofosbuvir with or without Ribavirin.

693: Efficacy of Glicaprevir and Pibrentasvir Treatment for Hepatitis C Virus Drug Resistance-Associated Variants in Humanized Mice
Mitsutaka Osawa, Takuro Uchida, Michio Imamura, Yuji Teraoka, Masataka Tsuge, Hiromi Abe-Chayama, Grace Naswa Makokha, Hiroshi Aikata, Yuji Ishida, Chise Tateno and Kazuaki Chayama

694: Real World Clinical Outcomes and Disease Progression of HCV Treatment-Naive Patients in China: An Analysis from the Ccgenos Study
Huiying Rao, RuiFeng Yang, Ran Fei, Qing Xie, Jia Shang, Zhihliang Gao, Hong Chen, Yinghui Gao, Qian Jin, Runqin Li and Lai Wei

695: HCV-RNA Detectability at the END of Treatment with Daal Associated with Shorter Treatment Duration, but Doesn’T Affect Sustained Virological Response
Chiara Masetti, Simona Francioso, Arianna Brega, Ilaria Lenci, Leonardo Bocchi, Francesca Bontaretto, Martina Milan, Piera Rossi, Francesco Santopaoalo, Alessandra Bosa, Alessandra Pecchioli, Norma Alfieri, Giorgia Sena and Mario Angelico

696: Eight Week Hepatitis C Treatment with New Direct Acting Agents Have a Better Safety Profile While Effective in the Geriatric Population without Liver Cirrhosis and Hepatitis C Virus-RNA <6 Million IU/MI
Beshoy Yanny, Sammy Saab, Francisco Durazo, Nyan Latt, Mira Mikhail, Amanda Mitry and Amandeep Sahota

697: The Generic Medication to Bridge the Gap between the Cost of Medicine and the Budget Allocated for Treatment
Moutaz Derbala, Nasrein Elkomy, Prem Chandra and Saad Alkaabi

698: Sustained Virological Response Rates in Real Life Are NOT Different in Persons Living with HIV Undergoing Optimal Treatment Schedules of ANTI HCV Antivirals
Angiola Spinetti, Silvia Odolini, Giuliano Rizzardini, Pietro Lampertico, Roberto Rossotti, Luisa Pasulo, Gianluca Zuliani, Maria Vinci, Antonella D’Arminio Montforte, Alessio Aghemo, Massimo Zuin, Franco Maggiolo, Paola Nasta, Paola Antonia Lanza, Paolo Sacchi, Monica Schiavini, Ana Lleo, Serena Zaltron, Marco Merli, Serena Venturelli, Roberto Gulminetti, Chiara Baguera, Canio Carriere, Stefania Salpietro, Mauro Viganò, Tiziana Re, Andrea Gori, Raffaele Bruno, Angelo Pan, Francesco Castelli, Stefano Fagiuoli and Massimo Puot

699: Evaluation of the Factors Associated with the Reduction of Liver Stiffness By Direct-Acting Antivirals for Chronic Hepatitis C
Naoto Kawabe, Tomoki Takamura, Senju Hashimoto, Takuji Nakano, Kazunori Nakaoka, Masashi Ohki, Takamitsu Kurashita, Sayuri Nomura, Keihi Koyama, Arisa Mi, Aiko Fukushima, Toru Nishikawa, Keisuke Osakabe, Naohiro Ichino and Kentaro Yoshioka

700: Towards Reducing the Burden of Hepatitis C-Related Complications through Genomics-Guided Treatment Optimization
Catrina Loucks, Jennifer Lin, Jessica Trueman, Eric Yoshida, Jo-An Ford, Samuel Lee, Edward Tam, Ainhoor Ramji, Britt Drögemöller, Galen Wright, Colin Ross and Bruce Carleton

701: Sofosbuvir/Velpatasvir ± Ribavirin for Retreatment of Patients with Chronic Hepatitis C Virus (HCV) Infection Failing to a Previous Daa Combination Regimen
Giuseppina Brancaccio, Silvia Martini, Alessia Ciancio, Riccardo Volpes, Marco Di Stefano, Mario Masarone, Vincenzo Messina, Arturo Montineri, Marco Biolo, Stefano Ferrari, Ernesto Claar, Chiara Dell’Isola, Raffaella Lionetti, Mariza Montalbano, Antonino Picciotto, Salvatore Solimena, Chiara Taibi, Elisabetta Teti, Claudio Ucciferri, Paolo Cirillo and Giovanni Gaeta

702: Sofosbuvir/Velpatasvir Is Effective and Safe in Patients with Concomitant Proton Pump Inhibitor Use in Clinical Studies
Rafael Esteban-Mur, Kosh Agarwal, Jose Luis Calleja, Jean-Francois Dufour, Steven Flamm, Stuart Gordon, Luisa Stamm, Liyun Ni, Diana Brainard, Kris Kowdley, Curtis Cooper, Juan Antonio Pineda, Lluis Castells, Maria Buti and Sabela Lens

703: Real-World Effectiveness of Glicaprevir/ Pibrentasvir in 1,941 Patients with Hepatitis C Genotypes 1 through 4
Pamela Belperio, Troy Shahoumian, Timothy Loomis, Larry Mole and Lisa Backus

704: Treatment of Hepatitis C Among HIV HCV Co-Infected Patients in a Real World Setting - on the Path to HCV Elimination in a Single Center in Israel
Elia Veitsman, Tarek Saadi, Afiy Yacoub, Rimma Kramsky, Vered Ben-Hakoon, Yaacov Baruch, Margalit Lorber, Jamal Hassoun, Einat Kedem and Eduardo Shahar
705: Real-World Safety and Effectiveness of Sofosbuvir/Velpatasvir/Voxilaprevir and Gileadcaprevir/Pibrentasvir in Hepatitis C Infected Patients
Varun Saxena, Scott Chamberland, Leo Hurley, Jennifer Lai, Elizabeth Truong, Julia Marcus, Jamila Champs, Brad Hare, Daniel Kom, Joanna Ready, Suk Seo, David Witt and Michael Silverberg

706: Sofosbuvir/Velpatasvir/Voxilaprevir (SOF/VEL/VOX) in Care of Chronic Hepatitis C Patients: Clinical Practice Experience from the Trio Network
Bruce Bacon, Michael Curry, Steven Fiamm, Scott Milligan, Naoky Tsai, Nicole Wick, Zobair Younossi and Nezam Afdhal

707: Real-World Experience of Elbasvir/Grazoprevir in Taiwan: Experience of Four Medical Centers in Chang Gung Medical System
Yi-Chung Hsieh, Chao-Hung Hung, Tsung-Hui Hu, Chih-Lang Lin, Chun-Yen Lin, Sheng-Nan Lu, Rong-Nan Chien and I-Shyan Sheen

708: Safety and Efficacy of Gilecaprevir Plus Pibrentasvir Combination Therapy for Patients with Chronic Hepatitis C Virus in Real World, Multicenter Study
Akihiro Tamori, Kazuaki Inoue, Motoh Iwasa, Kazuhiro Nousse, Masahito Minami, Tatehiro Kagawa, Sawako Uchida, Masaru Enomoto and Norifumi Kawada

709: Regression of Liver Stiffness after Successful HCV-Treatment and Associated Factors in HCV Mono-Infected and HCV-HIV Co-Infected Patients
Jakob Malin, Christoph Boesecke, Carolynne Schware-Zander, Jan Wasmuth, Stefan Schlabe, Jonel Trebicka, Ulrich Spengler, Joseph Llibre, Toni Jou, Jordi Puig, Bonaventura Clotet and Juergen Rockstroh

710: Real-World Experience of All-Oral Directly Acting Antivirals in Asian Chronic Hepatitis C Patients: Real-World Evidence from the Asia Liver Consortium for HCV (REAL-C)

711: Hepatitis C Educational Outreach Recruitment Among Arizona Nephrologists: Physician and Staff Response
Lindsey Schader and Shahid Habib

712: Real-World Single-Center Experience with Direct-Acting Antivirals about Improvement of Liver Fibrosis after Chronic Hepatitis C Treatment.
Sun Hee Lee, Hyun Phil Shin and Joung Il Lee

713: Impact of the Sustained Virological Response (SVR) on Liver Fibrosis Regression Measured By Transient Elastography (TE) in Hepatitis C-Virus Infected Elderly Patients
Jose Rafael Granados, Miriam Serrano Fuentes, Jose Maria Martin, Karim Mohamed, Elvira Sáez and Imanol Pulido

714: Dynamics of Liver Stiffness By Transient Elastography in Patients with Chronic Hepatitis C (HCV) Infection Receiving Direct Acting Antiviral Therapy- Results from the German Hepatitis C-Registry (DHC-R)
Viola Knop, Stefan Mauss, Tobias Goeser, Andreas Geier, Tim Zimmermann, Kerstin Herzer, Nils Postel, Mireen Friedrich-Rust, Wolf Peter Hofmann and German Hepatitis C-Registry

715: Inspired Study: Utilization Patterns and Outcomes of Elbasvir/Grazoprevir in the Real-World Greek Setting (interim analysis)
Panagioti Ioannidou, Maria Schina, Sotiris Koutsounas, Emmanuel Sinakos, Eva Pettrikou, Maria Tampaki and George Papaetheodoridis

715A: Preliminary Efficacy and Safety of 8-Week Gilecaprevir/Pibrentasvir in Patients with HCV Genotype 1–6 Infection and Compensated Cirrhosis: The Expedition-8 Study

715B: Efficacy and Safety of Gilecaprevir/Pibrentasvir in Patients with Chronic HCV Infection and Moderate to Severe Renal Impairment: An Integrated Analysis
Eric Lawitz, Edward Gane, Neddie Zadeikis, Meghan Sise, Philippe Zamor, Marcello Persico, Eric Yoshida, Manal Abunimeh, David Pugatch, Yao Yu, Preethi Krishnan, Federico Mensa and Stanislas Pol

715C: Efficacy and Safety of Gilecaprevir/Pibrentasvir in Patients with HCV Genotype 5 or 6 Infection: Final Results of the Endurance-5,6 Study
Samuel Lee, Tariq Asselah, Betty Yao, Tuan Nguyen, Florence Wong, Adam Mahomed, Seng Gee Lim, Armand Abergel, Joe Sasadeusz, Edward Gane, Neddie Zadeikis, Preethi Krishnan, Zhenzhen Zhang, Ariel Porcalla, Katia Alves, Federico Mensa and Kinh Nguyen

Hepatotoxicity and Drug Induced Liver Injury

716: The Role of HEV Infection in U.S. Patients with Suspected Drug Induced Liver Injury
Robert Fontana, Paul Hayashi, Jay Hoofnagle, Huiman Barnhart, Ronald Engle and Patrizia Farci

717: Liver-Selective MMP-9 Inhibition Eliminates Ischemia-Reperfusion Injury and Accelerates Liver Regeneration
Xiangdong Wang, Ana Maretti-Mira, Lei Wang and Laurie DeLeve
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718: Glycosyltransferase GLT25D2 Acts As a Negative Regulator of Autophagy to Promote Acetaminophen-Induced Hepatotoxicity
Jing Zhang, Lele Guo, Xiaohui Zhang, Hongshan Wei and Feng Ren

719: WITHDRAWN

720: Environmental Toxicant Vinyl Chloride Causes Hepatic Mitochondrial Dysfunction in Mice. 
Anna Lang, Liya Chen, Matthew Cave and Juliane Beier

721: Liver Injury during Pembrolizumab Immunotherapy Is Associated with a Lower Rate of Tumor Remission and Higher Rate of Mortality
Russell Dolan, Irene Tsung, Leslie Fecher, Christopher Lao and Robert Fontana

722: Von Willebrand Factor Deficiency Accelerates Liver Repair after Acetaminophen-Induced Acute Liver Injury in Mice. 
Dafna Groeneveld, Holly Cline-Fedewa, Kurt Williams, Robert Roth, Ton Lisman and James Luyendyk

723: Inhibition of TGFβ1 Signaling Attenuates Acetaminophen Toxicity By Enhancing Hepatocyte Proliferation. 
Stephanie Grant, Matthew McMillin, Gabriel Frampton, Anca Petrescu, Elaina Williams, Brandi Jefferson and Sharon DeMorrow

724: Environmental Perfluoroalkyl Substance Exposures Are Associated with the Unusual Combination of Apoptotic Liver Disease and Decreased Serumpro-Inflammatory Cytokines: Implications for Nonalcoholic Fatty Liver Disease 
Matthew Cave, John Bassler, Meenal Elliott, Sijin Wen, Banrida Wang, Hartmut Jermutus, John Barnett and Alan Ducatman

725: Tfeb-Mediated Lysosomal Biogenesis Protects Against Acetaminophen-Induced Liver Injury in Mice. 
Xiaojuan Chao, Xiao Yang, Hong-Min Ni, Zhengtao Wang, Hartmut Jaeschke, Li Yang and Wen-Xing Ding

726: Novel Mechanisms of Valproate Hepatotoxicity: Impaired Trafficking of Apical Transporters and Hepatocyte Depolarization
Dong Fu, Panli Cardona and Kim Brouwer

727: Thrombospondin-1 Worsens Azoxy methane-Induced Acute Liver Injury and Hepatic Encephalopathy By Activating Transforming Growth Factor Beta 1 
Brandi Jefferson, Sharon DeMorrow, Stephanie Grant, Gabriel Frampton and Matthew McMillin

728: Nefazodone Induces Liver Injury through Inhibition of Glycolysis 
Evelin Krajnc, Michele Visentin, Zhibo Gai and Gerd Kullak-Ublick

729: Environmental Dioxin and Polychlorinated Biphenyl Exposures Are Associated with Mechanistic Biomarkers of Liver Disease Progression 
Matthew Cave, Christina Pinkston, Shesh Rai, Marion Pavuk and Linda Birmbaum

729A: Quantitation of Catechin Content in Herbal and Dietary Supplements Implicated in Human Hepatotoxicity: A Preliminary Report from the Drug Induced Liver Injury Network (DILIN) 
Victor Navarro, Bharathi Avula, Yanhong Wang, Huiman Barnhart, Manisha Verma, Ikhlas Khan, Jawad Ahmad, Herbert Bonkovsky, Naga Chalasani, Robert Fontana, Leonard Seeff, Jose Serrano and Andrew Stolz

NAFLD and NASH: Therapeutic

★730: YH25724, a Novel Long-Acting GLP-1/FGF21 Dual Agonist, Exhibits Marked Anti-Fibrotic Effects in a Rat Model of Established Thioacetamide-Induced Liver Fibrosis 
Tae-Wang Kim, Junwan Kim, Han Na Hong, Hyun Ho Choi, Do-Hoon Kim, Ji-Eun Yang, Da-Na Jeong, Mi Kyeong Ju, Minji Seo, Su Kyung Kim, Ju-Young Park, Byung Hyun Choi, Han-Joo Kim, Kyong Kyu Ahn, Jong Gyun Kim, Vlad Ratziu, Se-Woong Oh and Soongyu Choi

★731: Economic Burden of Progression to Cirrhosis in Patients with Non-Alcoholic Steatohepatitis (NASH) in the United States 
Dhaval Patel, Ying Qiu, Tzuyung Kou, Joel Myers, Aditya Nandal and Leah Burns

★732: Elafibranor Synergizes with ACC Inhibitors to Enhance Fatty Acid Catabolism and Reduce Steatosis in the Liver of a Nash Model 
Vanessa Legry, Emeline Descamps, Nathalie Degallaix, Guillaume Vidal, Mathilde Walczak, Carole Belanger, Dean Hum, Sophie Megnien, Bart Staels, Rohit Loomba, Stephen Harrison, Vlad Ratziu and Robert Walczak

733: Effect of MEDI0382, a Glucagon-like Peptide 1/ Glucagon Receptor Dual Agonist, on Hepatic Fat and Relationship to Metabolomic Changes in Overweight or Obese Subjects with Type 2 Diabetes Mellitus 
Meena Jain, James Trevaskis, Michelle Boland, James Conway, Lan-Feng Tsai, Boaz Hirshberg, Lutz Jermutus and Philip Ambery

734: The FASN Inhibitor, TVB3664, Ameliorates NASH in a Murine Model 
Dipanker Bhattacharya, Gregory Duke, Brittany Allen, Maria Cecilia Ybanez, George Kemble and Scott Friedman

735: The Farnesoid X Receptor (FXR) Agonist Edp-305 Inhibits Fibrosis Progression in a Rat Model of Nonalcoholic Steatohepatitis Cirrhosis 
Sarani Ghoshal, Gunisha Arora, Ricard Masia, Diego Dos Santos Ferreira, Mozhdeh Sojoodi, Peter Caravan, Yang Li, Guoqiang Wang, Yat Sun Or, Lijuan Jiang, Kenneth Tanabe and Bryan Fuchs

736: The Non-Steroidal FXR Agonist GS-9674 Leads to Significant Reductions in Hepatic Steatosis, Serum Bile Acids, and Liver Biochemistry in a Phase 2, Randomized, Placebo-Controlled Trial of Patients with NASH 
Keyur Patel, Stephen Harrison, James Trotter, Robert Herring, Sergio Rotjer, Zeid Kayali, Mitchell Shiffman, Bradley Freilich, Eric Lawitz, Eliza Harting, Tuan Nguyen, Chuhan Chung, Mani Subramanian, Robert Myers, Michael Middleton, Mary McCarthy Rinella and Mazen Noureddin

★ Denotes AASLD Presidential Poster of Distinction 
★ Denotes AASLD Foundation Abstract Award Recipient
Poster Sessions

737: Elafibranor Administration Prevents Liver Tumor Development in Mouse Models of Nash
Peggy Parroche, Pierre Bedossa, Maryse Leparquier, Emeline Descamps, Géraldine Rigou, Nathalie Degallaix, Benoit Noel, Carole Belanger, Dean Hum, Bart Staelens, Arun Sanyal and Robert Walczak

738: Aramchol Downregulates SCD1 and Induces Pparg in Hepatic Stellate Cells to Attenuate Cellular Activation and Fibrogenesis
Brittany Allen, Jose Mato, Amanda Craig, David Fernandez-Ramos, Fernando Lopitz-Otsoa, Liat Hayardeny, Kanokwan Pinyopornpanish, Juntima Euathrongchit, Arintaya Phrommintikul, Nipon Chattipakorn and Supawan Buranapin

739: FXR Activation Abrogates Steatohepatitis, Inflammation, Fibrosis, Metabolic Syndrome, and Leaky Gut in Newly Developed Dietary Mouse Model of Nash
Iwona Kieczek, Pauline Bringer, Berangere Gapp, Marie Jourdain, Benjamin Kuenig, Delphine Weber, Stefan Zurbueg, Nicolau Beckmann, Florian Nigisch, Valentina Molteni, Reginald Valdez, Bill Dietrich and Michael Badman

740: Pnpla3 Silencing with Antisense Oligonucleotides Ameliorates Nonalcoholic Steatohepatitis and Fibrosis in Pnpla3 1148M Knock-in Mice
Daniel Lindén, Andrea Ahnmark, Piero Pingitore, Ester Ciocciola, Ingela Ahlstedt, Anne-Christine Andréasson, Katja Madeyski-Bengtson, Magdalena Zurek, Rosellina Mancina, Anna Lindblom, Mikael Bjursell, Gerhard Böttcher, Mohammad Bohlooly-Y, William Haynes, Björn Carlsson, Mark Graham, Richard Lee, Sue Murray, Luca Valenti, Sanjay Bhanot, Peter Åkerblad and Stefano Romeo

741: Docosahexaenoic Acid Supplementation Abrogated Fibrotic Progression in Nonalcoholic Steatohepatitis By Suppressing Activation of Hepatic Stellate Cells through GPR91
Xuejing Liu, Chen Niu and Jian Wu

742: Reduction in Liver Fat in Patients with Type 2 Diabetes Following Treatment with Duodenal Mucosal Resurfacing
David Maggs, Aruna Vedala, Michael Burka, Naomi Sakai, Alan Bainbridge, Stuart Taylor and Manil Chouhan

743: High-Fat, High-Fructose Diet Induced Nonalcoholic Steatohepatitis Is Alleviated By Rifaximin Treatment
Xiaoguan Huang, Souksavanh Thansamay, Rui Zhang, Feng Li and Shiyao Chen

744: Effect of Dagapilfoxin on Hepatic Fat, Visceralfat and Hepatic Inflammatory Markers in Non-Alcoholic Fatty Liver Disease Patients with Type 2 Diabetes
Susritch Phrukeoksai, Satawat Thongswat, Apinya Leearun, Kanokwan Pinyopornpanish, Juntima Euathrongchit, Arinaya Phrommintikul, Nipon Chattipakom and Supawan Buranapin

745: The MetAP2 Inhibitor, Zgn-1061, Improves Metabolic Parameters and Hepatic Pathology in Mouse Models of Diabetes and Nonalcoholic Steatohepatitis or Hepatocellular Carcinoma
Bryan Burkey, Martin Illeman, Sanne Veidal, Michael Feigh, Michael Briggs, Dipti Deshpande, James Vath and Thomas Hughes

746: Vitamin E Is an Effective Treatment for Nash in HIV Mono-Infected Patients: The CTN-PT 024 Trial
Silia Coccioilio, Maria Osikowicz, Sahar Saeed, Marc Deschenes, Philip Wong, Maged Peter Ghali, Bertrand Lebouche, Marina Klein and Giada Sebastiani

747: Polydatin Attenuates Diet-Induced Nonalcoholic Steatohepatitis and Fibrosis in Mice
Rui Li, Hui Li, Sishan Yan, Jiaxin Lin, Ying Chen, Genshu Wang and Tian Lan

748: TLY012 Ameliorates Nash-Related Cirrhosis in Diet-Induced Rat Model
Hyounbog An, Ogyi Park, Yumin Oh, Viktor Roschke and Seulki Lee

749: High-Sensitivity C-Reactive Protein Reductions in Subjects with Elevated Alanine Aminotransferase Receiving Semaglutide for Treatment of Obesity in a Phase 2 Trial
Philip Newsome, Vlad Ratziu, Salvatore Calanna, Morten Hansen, Martin Linder and Sven Francque

750: Treatment of Fatzopco Nash Mouse Model with Mscd-062K and Liraglutide
Jerry Colca, Katheryn Coy, Anita Teepol, Guodong Zhang, Melissa Bass, Charles Jackson and Laura Healy

751: Combination Therapy of L-Carnitine and Nicotinamide Riboside Attenuates Obesity and Hepatic Steatosis and Reverses High Fat Diet Induced Metabolic Pathways in the Liver
Kanita Salic

752: CORM A-1 Mediated Mitochondrial Biogenesis in Lipotoxic HepG2 Cells: Therapeutic Implications for NAFLD
Kapil Upadhyay, Apeksha Joshi, Aliasgar Vohra and Ranjitsinh Devkar

753: Differential Risk of Cardiovascular Outcome in Advanced Nash Patients with Type 2 Diabetes Mellitus (T2DM) - a Retrospective Analysis of a Large United States Insurance Claims Database
Tzungyung Kou, Dhaval Patil, Aditya Nandal, Ying Qiu and Leah Burns

754: Combination Effect of Canagliflozin and Exercise Training in Non-Alcoholic Fatty Liver Disease
Kenichi Tanaka, Hirokazu Takahashi, Chika Inadomi, Noriko Oza, Keizo Anzai and Yuichiro Eguchi

755: Hybrid Training Using Electrically Stimulation to Antagonistic Muscle Improved Insulin Resistance with Alterations in Myokine and Hepatokine in Patients with NAFLD: A Pilot Study
Ryuki Hashida, Takumi Kawaguchi, Takashi Otsuka, Norihiro Goshima, Teruhiyo Yoshiyama, Masafumi Bekki, Sohei Iwanaga, Takahiro Sugimoto, Shunji Koya, Keisuke Hirota, Hiroo Matsuse, Takui Toriumira and Naoto Shiba

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755A: Using Quantitative Systems Pharmacology Modeling to Understand the Effects of Acetyl CoA Carboxylase (ACC) Inhibition on Liver and Plasma Triglycerides in a Simulated Population
Scott Siler, Grant Generaux, Brett Howell, Adrian Ray, Mani Subramanian, Robert Myers and Paul Watkins

Patient Centered Outcomes Research

★756: Liver Disease Is Associated with Falls and Fractures: A Nationally-Representative Cohort Study.
Maria Camila Perez-Matos, Z. Jiang and Elliot Tapper

★757: Validation of Low Alanine Aminotransferase Cut-Off Levels for Predicting Liver Outcomes: A Population-Based Study of General Health Screening Examinees
Bo-Kyeong Kang, Dae Won Jun, Joo Hyun Sohn, Hyun Woo Oh, Jae Yoon Jeong, Hyo Young Lee, Sang Bong Ahn, Mimi Kim, Jaeha Kim, Jin Hwa Park, Dong Hee Koh and Byung Chul Yoon

758: Use of Prescription Opioid and Benzodiazepines Is Two-Folds Higher Among Patients with Cirrhosis Compared to Other Forms of Chronic Disease
Monica Konerman, Mary Rogers, Brooke Kenney, Brahmajee Nallamothu, Amit Singal, Pratima Sharma, Elliot Tapper, Sameer Saini and Akbar Waljee

Sigurdur Olafsson, Thorvardur Loose, Ragnheidur Fridriksdottir, Thorarinr Tyrfingson, Valgardur Runarsdottir, Ingunn Hansdottir, Ottar Bergmann, Einar Bjornsson, Birgir Johannsson, Bryndis Sigurdardottir, Arthur Loose, Gudrun Sigmundsdottir, Ubaldo Hernandez, Maria Heimisdottir and Magnus Gottfredsson

760: Factors Influencing Global Trends in Liver-related Mortality - an Observational Study from 1985 to 2015
Wenhai Li, Justin Salciccioli, Dominic Marshall, Joseph Shalhoub and William Alazawi

761: Association between Hospital Teaching Status and Survival Following Transjugular Intrahepatic Portosystemic Shunt
Jeffrey Mah, Yvonne Dewit, Alexandre Menard, Christopher Booth and Jennifer Flemming

762: Risk Factor Status, HCV Awareness, and HCV Screening in Asian Americans: Impact of an Interactive Mobile Education Tool in the Primary Care Setting
Helen Park, Nicole Kim, Janice Tsoh, Judith Walsh, Lauren Goldman, Ivy Lau, Ching Wong, Claudia Ayala, Ginyu Gildengorin, Tung Nguyen and Mandana Khalili

763: The Increase in Mortality Related to Chronic Liver Disease Is Explained By Non-Alcoholic Fatty Liver Disease (NAFLD)
James Paik, Pegah Golabi, Mehmet Sayiner, Rakesh Biswas, Saleh Alqahtani, Chapy Venkatesan and Zobair Younossi

764: Advance Care Planning for Patients with Decompensated Cirrhosis: Preliminary Results of a Multi-Center Qualitative Study
Arpan Patel, Gery Ryan, Anne Walling, Emmeline Chuang, Cindy Cain, Dan Tran, Nikhil Gupta, Tiffany Wu, Sammy Saab, Saro Khemichian, Vinay Sundaram, Robert Brook and Neil Wenger

765: Characteristics and Outcomes of Bariatric Surgery Patients with Cirrhosis: Data from the Nationwide Inpatient Sample
Jonah Rubin, Filipa Ligeiro and Nathalie Urrunaga

766: Cure of Hepatitis C Virus Infection with Direct Acting Antiviral Drugs Improves Work Place Performance
Ciara Bosh, David Del Bello, Mark Miller, Sterling Knight, Alyson Harly, Erin Doyle, Douglas Dieterich and Andrea Branch

767: Post-Traumatic Stress Disorder (PTSD) in Adult Liver Transplant Recipients: A Pilot Study
Ruhaile Kohli, Shruti Chaturvedi, Dan Nguyen, Meg O’Meara, James Burton and Michael Kris

768: Hepatitis E Virus Infection in Rejected Kidney Grafts from a Single Transplant Center in the United States
Thammasin Ingviya, Nicholas Wiese, Saleem Kamil, Paul Sue, Kyoko Oshima and Wikrom Karnsakul

769: Disposition of Patients with Significant Steatosis at a Primary Care Clinic: A One-Year Followup
Tarek Hassaneine, Fatma Barakat, Jesus Castrejon Garcia, Hector Flores, Cristobal Soto, Noha Abdelgell and Anna Hefner

770: The Health and Limitation Index (HALex) in Patients with Chronic Liver Disease: A Population Based Study of US Adults
Mohamed Elsaid, Rachel NeMoyer, Navaneeth Narayanan, You Li and Vinod Rustgi

771: There Are Low Rates of Advance Care Planning (ACP) Discussions Despite Readiness to Engage in ACP Among Liver Transplant Candidates
Connie Wang, Adrienne Lebsack and Jennifer Lai

772: Systematic Review of Instruments Evaluating Health-Related Quality of Life (HRQoL) in Patients with Cirrhosis
Anahita Rabiee, Sina Nikayin, Rafael Ximenes, Prerak Juthani, Andrew Hickner and Guadalupe Garcia-Tsao

773: Impaired Basic Activities of Daily Living and Excessive Bedbound Days Are Associated with Length of Stay and Mortality in Hospitalized Patients with Cirrhosis
Eric Orman, Marwan Ghabril, Chenjia Xu, Sujuan Gao, Lauren Nephew, Raj Vuppallanchi, Craig Lammert and Naga Chalasani

774: A Prospective Study of Mindfulness and Shared Decision-Making in Providers and Patients with Cancer at a Tertiary Referral Center.
Parvez Mantry, Elaina Vivian, Hellen Oduor, Sharina Arceneaux, Andrea Lee and Allison Vo
Poster Sessions

775: Positive Impact of an Electronic Alert System before Haematological Chemotherapy: Screening Viral Hepatitis and Outcome from 448 Patients.
Paula Gubern, Mar Riveiro Barciela, Luisa Roade, Pau Abrigueta, María José Carreras, Anna Farriols, Rafael Esteban and Maria Buti

776: Hepatitis E – a New Disease of Developed Countries? Results from a Portuguese Hospital
Catarina Gomes, Catarina Gouveia, Bárbara Morão, Marilía Cravo and Joana Nunes

777: Oro-Dental Health Disparities in Patients with Cirrhosis
Brian Davis, Chathur Acharya, Sinem Sahingur, Melanie White and Jasmohan Bajaj

778: Distribution of Etiologies in Cirrhosis Admissions and Its Year Trend Burden in California (CA): A Population-Based Study with the Office of Statewide Health Planning and Development (OSHPD)
Bin Wei, Mike Wei, Donghak Jeong, Linda Henry, Ramsey Cheung and Mindie Nguyen

779: Universal Access to Daa-Treatment Is Not Enough to Prevent Late Stage Presentation of HCV Infection.
Joaquín Cabezas, Inmaculada Fernandez, Susana Llerena, Jose Antonio Carrion, Adolfo Gallego, Jose Luis Calleja, Sabela Lens, Juan Manuel Pascasio, Martin Prieto, Francisco Gea, Jose Maria Moreno-Planas, Isabel Carmona, Diego Rincon, Esteb Badia, Moises Diago, Rosa Morillas, Juan Turnes, Juan Arenas, Ana C. Arcencibia and Javier Crespo

780: Access to PBC Foundation Services Improves Patient Self-Management and Mental Wellbeing
Robert Mitchell-Than, Vinod Hegade and Jess Leighton

781: Awareness and Knowledge of Non-Alcoholic Fatty Liver Disease Among Office Employees in Beijing, China
Wei Zhang, Samantha Chao, Stephanie Chen, Huiying Rao, Rui Huang, Lai Wei and Anna Lok

782: Factors Associated with Health-Related Quality of Life (HRQoL) in Patients with Decompensated Cirrhosis
Anahita Rabiee, Rafael Ximenes, Sina Nikayin, Andrew Hickner and Guadalupe Garcia-Tsao

782A: Outcomes and Reasons for Chronic Opioid Use in Patients with Cirrhosis
Steven Scaglione, Dan Aldrich, Jasleen Singh, David Park, Shaham Mumtaz, Majid Afshar, Allyce Caines and Scott Cotler

Training, Education and Career Development

★783: Eliminating Hepatitis C in the Medical Home: Hepatology, GI, and ID Collaboration to Build Primary Care Capacity for Treatment
Christian Ramers, Sarah Rojas, Stephanie Constantino, Lisa Asmus, Christopher Cavanaugh, Maureen Khasira and Catherine Frenette

784: Physician Knowledge As a Barrier to Hepatitis B Screening and Treatment: Opportunities for Improvement
Harry Nguyen, Mahmoud Mahfouz, Jonathan Tu, Carlos Diaz, Shweta Anjan, Stefanie Brown, Kassandra Bosire, Olveen Carraquillo, Paul Martin and Patricia Jones

785: Salary Support and Relative Value Work Units (wRVU) for Hepatologists in the USA
Mitchell Shiffman, Norman Sussman, Natarajan Ravendhran, Marcia Ditmyer, Kris Kowdley and Marcelo Kugelmas

786: AASLD at the Forefront of Changing Times: The Influence of Innovation on Twitter Trends
Devika Kapuria, Shariq Shamim, Gil Ben Yakov, Pallavi Surana, Min Ho Cho, Theo Heller and Christopher Koh

787: Tweeting about the Liver: The Global Impact of 280 Characters at the Liver Meeting 2017
Devika Kapuria, Shariq Shamim, Gil Ben Yakov, Min Ho Cho, Christopher Koh and Theo Heller

788: Dynamic and Interactive Medical Education Modules: A Pilot Project in Hepatology
Alexander Olson and Steven Herrine

789: Provider Gaps in Key Areas of Contemporary Viral Hepatitis Management and the Value of Targeted Education
Ryan Topping, Jenny Schulz, Edward King, Jennifer Blanchette, Danielle Plachy, Jordan Feld, Nancy Reau, Norah Terrault and Stefan Zeuzem

790: Loving Your Liver: Hepatology Curriculum to Improve Pediatric Resident Proficiency
Anjali Rai, Tamir Diamond, Debora Kogan-Liberman, Nadia Ovchinsky and Alileen Raizner

791: Recovery of Bowel Function after Liver Transplant Surgery
Adhnan Mohamed, Mohamed Safwan, Francis Tinney, Kelly Collins, Michael Rizzari, Atsushi Yoshida, Marwan Abouljoud and Shunji Nagai

792: Physician Attitudes Towards Residents Treating Hepatitis C in Primary Care in the Direct-Acting Antiviral Era
Thomas Couri, Tanmayi Gupta, George Weyer and Andrew Aronsohn

Varices and Bleeding

★793: Thromboelastography Versus Conventional Coagulation Parameters-Based Correction of Coagulopathy in Acute Non-Variceal Bleed: An Open Label Randomized Controlled Trial (NCT02689232)
Juned Ahmad khan, Manoj Sharma, Rakhi Maïwall, Ashok Choudhury, Chhagan Bihari, Guresh Kumar, Anand Kulkarni, Shakti Chaudhury and Shiv Kumar Sarin
Poster Sessions

★794: Prediction of the Esophageal Varices Needing Treatment with Noninvasive Tests in Patients with Compensated Advanced Chronic Liver Disease
Hanah Lee, Seung Up Kim, Yeon Seok Seo, Young-Sun Lee, Seonghee Kang, Young Kul Jung, Moon Young Kim, Ji Hoon Kim, Sang Gyune Kim, Ki Tae Suk, Soung Won Jung, Jae Young Jang, Hyung Joon Yim and Soonho Um

★795: MR-Based Radiomics Signature As Surrogate of Hepatic Venous Pressure Gradient for Clinically Significant Portal Hypertension in Advanced Chronic Liver Disease: A Prospective Multicenter Study
Chuan Liu, Jiaxiu Luo, Weimin An, Yifei Huang, Guanchuan Wang, Jialiang Zou, Zhao Liu, Zhibo Zhou, Zhenyuan Ning, Sining Wang, Changchun Liu, Jingwei Wei, Shuai Wang, Jinlin Hou, Yu Zhang, Jie Tian, Chunqing Zhang and Xiaolong Qi

★796: Novel Radiomics-Based Staging Tool As Surrogate of Hepatic Venous Pressure Gradient for Portal Hypertension in Advanced Chronic Liver Disease: A Prospective Multicenter Study
Yanna Liu, Zhenyuan Ning, Shuai Wang, Changchun Liu, Jinlin Hou, Weimin An, Zhiwei Li, Yu Zhang, Jie Tian and Xiaolong Qi

797: Title- Addition of Simvastatin to Carvedilol Improves Hemodynamic Response in Non-Bleeder Cirrhotics- a 1-Year Follow up Analysis of a Randomized Controlled Trial (NCT02465645)
Rajan V, Ankur Jindal, Guresh Kumar, Ankit Bhardwaj and Shiv Kumar Sarin

798: Volumetry Liver and Spleen Indices Are Associated to the Severity of Cirrhosis and Predict the Risk of Decompensation.
Mario Romero Cristobal, Ana Clemente, Enrique Ramón, Isabel Peligros, Ana M Matilla, María Magdalena Salcedo Plaza, Gerardo Clemente, Ainhoa Fernández-Yunquera, Luis Ibáñez Samaniego, Rita García, Clara Villaseca, Carlos Martínez, Diego Rincon and Rafael Bañares Cañizares

799: Ballon- Occluded Retrograde Transvenous Obliteration (BROTO) Versus Transjugular Intrahepatic Portosystemic Shunt (TIPS) in the Management of Gastric Variceal Bleeding: A Systematic Review and Meta-Analysis
Shadi Hamdeh, Osama Altayar, Muhammad Aziz, Fayez Sarkis, Adnan Shaaban and Mojtaba Olyaee

800: Significant Increase of Portal Pressure in Cirrhotic Patients with Gastric Varices after Plug-Assisted Retrograde Transvenous Obliteration (PARTO) and Its Clinical Significances: Single Tertiary Center Experience
Jae Woo Park, Young Seok Kim, Jeong-Ju Yoo, sang Gyune Kim, Soung Won Jeong, Jae Young Jang, Sae Hwan Lee, Hong Soo Kim, Young Don Kim and Gab Jin Cheon

801: Natural History of Hepatosplenic Schistosomiasis (HES) Non-cirrhotic Portal Hypertension (NCPH): Influence of Gastrointestinal Bleeding and Decompensation in Prognosis
Zulane Veiga, Flavia Fernandes, Livia Guimaraes, Camila Barreto, Juliana Baptista Piedad Barrocas and Gustavo Pereira

802: Novel Meldplt Criteria As an Alternative to Baveno VI for Identification of High-Risk Varix in Patients with Cirrhosis
Guan Sen Kew, Alexander Yip, Yock Young Dan, Daniel Huang, Guan Huei Lee, Yin Mei Lee, Seng Gee Lim, How Cheng Low, Mark Muthiah and Poh Seng Tan

803: Noninvasive Prediction of Esophageal Varices By Liver Stiffness Measurement and Platelet Count in HIV+ Patients with Liver Cirrhosis: Multicenter Validation of Baveno VI Criteria
Nicolás Merchante, Chiara Saroli Palumbo, Giovanni Mazzola, Juan Macias, Francisco Téllez, Philip Wong, Maged Peter Ghali, Antonio Rivero-Juárez, Marina Klein, Maria José Ríos-Villegas, Salvatore Petta, Victor de Ledinghen and Giada Sebastiani

804: Sarcopenia Predicts Mortality after Transjugular Intrahepatic Portosystemic Shunt Placement
Akshata Moghe, Josh Anderson, Yicheng Tang, Michael Dunn, Shahid Malik and Vinay Sundaram

805: Pharmacokinetic/Pharmacodynamic Modeling and Simulation of Lusutrombopag, a Novel Thrombopoietin Receptor Agonist, for Treatment of Thrombocytopenia in Patients with Chronic Liver Disease Undergoing Invasive Procedures
Takayuki Katsube, Ryosuke Shimizu, Takahiro Fukuhara, Takeshi Kano and Toshihiro Wajima

806: Evaluation and Optimization of Standard and Expanded Baveno VI Criteria for Ruling out Varices Needing Treatment
Paul Cales, Federico Ravaiolli, Oana Farcau, Arthur Berger, Horia Stefanescu and Davide Festi

807: Development and Validation of a Novel Score for Predicting the Presence and Size of Esophageal Varices Using Non-Invasive Markers in Patients with Cirrhosis
Elizabeth Aby, Tien Dong, Meg Hauer, Kayli Luu, Amir Kalani, Long Le, Keith Lindor and James Tabibian

808: Spleen Stiffness Measurement Increases Usefulness and Safety of Non-Invasive Screening for Esophageal Varices
Nobuaki Matsui, Kento Imajo, Masato Yoneda, Takaomi Kessoku, Yasushiro Honda, Yuji Ogawa, Satoru Saito and Atsushi Nakajima

809: Prevalence and Non-Invasive Prediction of Esophageal Varices in Fontan-Associated Liver Disease
Jason Chang, Hiang Keat Tan, Jie-Sheng Foo and Ju-Le Tan

810: Robustness of Liver Stiffness-Based Model for Portal Hypertension in Compensated Advanced Chronic Liver Disease
Guofeng Chen, Weimin An, DONG JI, Xiaoxue Du, Changchun Liu, Yifei Huang, Chuan Liu and Xiaolong Qi

811: Preservation of Thrombin Generation in Cirrhosis Despite Abnormal Results of INR/Prothrombin Time: Implication for Invasive Procedures
Alberto Farias, Caroline Ferreira, Elbio D’Amico, Evandro Souza, Juliana Batista, Tania Rocha and Flair Carlinho

★ Denotes AASLD Presidential Poster of Distinction
★ Denotes AASLD Foundation Abstract Award Recipient
812: Sonoclot Signature Analysis Reliably Predicts Coagulopathy in Cirrhosis: A New MODEL Score
Chhagan Bihari, Anupama Patil, Rakhi Maiwall, Hemant Shewade and Shiv Kumar Sarin

813: The Influence of Study and Patient Characteristics in Randomized Controlled Trials on the Outcomes of Banding Ligation for Primary Prophylaxis of Variceal Bleeding
Christos Triantos, Ioanna Ageletopoulou, Maria Kalafateli, Spiilios Manolakopoulos and Konstantinos Thomopoulos

814: The Impact of Obesity on Outcomes Related to Variceal Bleeding Among Patients with Otherwise Compensated Cirrhosis
Ebrahim Mirakhor, Parth Shah, Robert Rahimi, Brett Fortune, Mazen Noureddin and Vinay Sundaram

Jessica Davis, Carrie Hamilton, Amy Ogrurick, Nicolas Inagliata and Patrick Northup

816: Protective Effect of Probiotics Against Esophagogastric Variceal Rebleeding in Liver Cirrhosis Patients
Qun Zhang, Fangyuan Gao, Xue Yang, Yao Liu, Ying Hu, Hou Yixin, Yuxin Li, Bingbing Zhu, Shuaishuai Niu, Dongying Xue, Yunyi Huang and Xianbo Wang

817: The Early TIPS Policy Has Not Improved Prognosis of Patients with Variceal Bleeding Among Subjects with Salvage TIPS
Charlotte Bouzbib, Philippe Sultanik, Brigitte Bernard Chabert, Julien Massard, Hedi Benosman, Maxime Mallet, Simona Tripoun, Philippe Cluzel, Dominique Thabut and Marika Rudler

818: Validation and Modification of Baveno Criteria to Rule out High Risk Varices (HRV) in Patients with Compensated Cirrhosis
Krishnadas Devadas, Varun Tadkalkar, Srijaya Sreesh, Rajendra Gunjal and Rathin Joseph

Justine Hum, Deron Amador, Joseph Shatzel, Willscott Naugler, Joseph Ahn, Atif Zaman, Michael Chang and Janice Jou

820: Is Beta Blocker Effective in Patients with Tense Ascites for Varix Re-Bleeding?: A Nationwide Population-Based Study
Jin Hwa Park, Dae Won Jun, Joo Hyun Sohn, Hyun Woo Oh, Jae Yoon Jeong, Hyo Young Lee, Sang Bong Ahn, Bo-Kyeong Kang, Mimi Kim, Jaeha Kim, Dong Hee Koh and Byung Chul Yoon

821: Share Wave Elastography (SWE) of Spleen for Prediction of High Risk Varices in Patients with Advanced Compensated Cirrhosis
Theodoros Voulgaris, Dimitrios Karagiannakis, Theodoros Angelopoulos, Despina Kalogera, Spyros Siakavellas, Ioannis Vlachogiannakos and George Papatheodoridis

822: Liver Stiffness Measured By Transient Elastography Is Predictive of the Prognosis Following Portosystemic Shunt Occlusion in Patients with Portal Hypertension
Tsuyoshi Ishikawa, Ryo Sasaki, Tatsuro Nishimura, Takuya Iwamoto, Taro Takami and Isao Sakaida

823: Characterization of Baseline Thrombopoietin Levels in Patients with Chronic Liver Disease: Results from 2 Pooled Clinical Studies in Patients with Thrombocytopenia and Liver Disease
Stephen Caldwell, Naim Alkhour, Lee Allen, Kavita Aggarwal, Michael Vredenburg and Neeraj Shah

824: NON-Cirrhotic Portal Hypertension Secondary to Oxaliplatin Therapy: Incidence and Presentation
Stefania Gioia, Silvia Nardelli, Michele Di Martino and Oliviero Riggio

825: Utility of Global Coagulation Assays in Patients with Cirrhosis on Anticoagulation: A Pilot Study
Jessica Davis, Nicolas Inagliata, Stephen Caldwell, Neeral Shah, Curtis Argo and Patrick Northup

826: Outcome of Portal Vein Thrombosis in Cirrhosis: TIPS Versus Anticoagulation.
Stella De Nicola, Giulia Tosetti, Aldo Airoldi, Massimo Primignani, Giovanni Perricone, Ruggero Vercelli, Carmelo Migliorisi, Pietro Lampertico, Luca Betti and Antonio Rampoldi

827: An External Validation of the Baveno VI and Expanded Baveno VI Criteria Using Shear-Wave Elastography (SWE) instead of Transient Elastography
Dimitrios Karagiannakis, Theodoros Voulgaris, Spyros Siakavellas, Theodoros Angelopoulos, Despina Kalogera, Ioannis Vlachogiannakos and George Papatheodoridis

828: Utility of Bleeding Risk Scores in Predicting Outcome of Acute Variceal Bleeding
Marwa EI Fayoumy, Mohammed EI Tabbakh, Gamal Badra, Eman Rewisha and Imam Waked

828A: Relationship between Timing of Endoscopy and Mortality in Cirrhotic Patient with Variceal Bleeding
Eun Ju Cho, Jeong-Ju Yoo, Young Seok Kim, Sang Gyune Kim, Young Chang, Su Jong Yu, Jeong-Hoon Lee, Yoon Jun Kim and Jung-Hwan Yoon

828B: Screening of Esophageal Varices: Performance of Baveno Criteria with Shear-Wave Elastography in Patients with Compensated Advanced Chronic Liver Disease
Seong Hee Kang, Moon Young Kim and Soon Koo Baik
Poster Sessions

Poster Session II
Saturday, November 10

POSTER VIEWING: 2:00 PM – 7:00 PM
Hall C - Poster Hall

Presenters in Attendance
5:30 – 7:30 PM

★ Those posters with a star icon are identified as AASLD Presidential Posters of Distinction, which have received review scores that place them within the top 10 percent of all posters.
★ Those identified with a ribbon icon have been selected as an AASLD Foundation Abstract Award recipient.

We encourage you to make these posters a priority as you visit the poster sessions.

Adaptive Immunity

829: Fibrinogen-like Protein 2 Protected Tumor Via Inhibiting the Cytotoxic Lymphocytes and Dendritic Cells in Mice Orthotopic Transplanted Hepatocellular Carcinoma Model
Muyang Yang, Zhongwei Zhang, Jiajia Chen, Xiaoping Luo, Dong Xi and Qin Ning

830: Treg Plasticity Is Induced By Human Endogenous Retrovirus 1 (ENV,HERV1_I) and Unfolded Protein Response Activation in De Novo Autoimmune Hepatitis.
Jie Yao, Andrew Ling, Adam Arterbery, James Knight, Yaron Avitzur, Steven Lobritto, Mercedes Martinez and Udeeme Ekong

831: A Progesterone Receptor Mutation Is Associated to Hepatitis E Seropositivity in Liver Transplant Recipients and Correlates with Peripheral Immune Dysfunction
Jose Debes, Zwier Groothuismink, Robert De Man and Andre Boonstra

832: Capturing T-Cell Receptors. a Potential New Modality for Targeting Hepatic Tumors and Post-Transplantation Lymphoproliferative Disease (PTLD)
Nicola Ruth, Deirdre Kelly and Graham Anderson

833: Plasmacytoid Dendritic Cells Suppress Acute Non-Viral Hepatitis Via Induction of Interleukin-35 Producing Regulatory T Cells
Yuzo KODA, Nobuhiro Nakamoto, Po-sung Chu, AYA Ugamura and Takanori Kanai

Cell Structure and Function

★834: Single Cell Transcriptomic Analysis of Fetal Liver Macrophages
Rasika Patkar, Amar Nijagal and Bruce Wang

★835: Integrin β1 Establishes Hepatocyte Polarity and Configures Cell-Cell Interactions during Liver Development and Regeneration
Ryota Masuzaki, Kevin Ray, Roy Zent and Seth Karp

★836: Hepatocytes Catabolize Lipid Droplets through a Novel and Direct Envelopment By Endo-Lysosomes.
Micah Schott, Shaun Weiler, Ryan Schulze, Hong Cao, Eugene Krueger, Carol Casey and Mark McNiven

★837: Transferrin Receptor 1 Controls Systemic Iron Homeostasis By Fine-Tuning Hepcidin Expression to Hepatocellular Iron Load
Carine Fillebeen, Edouard Charlebois, John Wagner, Angeliki Katsarou and Kostas Pantopoulos

★838: CD69 Expression Defines Two Subsets of Liver CD4+ T Cells with TH1-Type Tissue-Resident, and TH2-Type Activated Profiles.
Benjamin Wiggins, Xiaoyan Li, Scott Davies, Konstantinos Aliazis, Yuxin Liu, Gary Reynolds, Yuehua Huang and Zania Stamatakis

★839: Role of Integrin α5 in the Maintenance of the Hepatic Polarity
Yuejiao Ma, Peishan Chen, Weihong Li, Xin Lu and Haiyan Zhang

★840: Dysregulation of Late Phase of Autophagy Flux Is Linked to Impaired Autophagosome Function and Exosome Production Via Mir-155 Regulation in Alcoholic Liver Disease
Istvan Furi, Shashi Bala, Miaoya Babute, Patrick Lowe, Karen Kody, Donna Catalano and Gyongyi Szabo

★841: LPS Induces HMGB1 Release from Hepatocytes Via Both TLR4 and Caspase-11/Gasdermin D(GSDMD) Signalings
Wenbo Li, Timothy Billiar, Meihong Deng, Melanie Scott, Ben Lu and Patricia Loughran

★842: Mint3 Is a Novel Molecular Target Expressed in Well-Differentiated AFP-Negative HCC for Prevention of Cancer Progression.
Masaki Niehiti, Taro Yamashita, Hicki Okada, Kouki Nio, Tsuyoshi Suda, Hajime Takatori, Masao Honda, Takeharu Sakamoto and Shuichi Kaneko

843: Hyperammonemia Induced Skeletal Muscle Mitochondrial Dysfunction Is Mediated By a Novel DRP1 Modification Induced Fission
Gangarao Davuluri, Avinash Kumar, Maheshes Gangadhariah, Sashi Kant, Ryan Clinton, Kluwant Aulak Singh, Xin Qi, Charles Hoppel, Jason Mears and Srinivasan Dasarathy

844: Age-Associated Changes to Mitochondrial Bioenergetics and Lipid Droplets during Hepatocyte Polarization
Sun Woo Kang, Dong Fu, David Le Couteur and Victoria Cogger

845: Nascent Autophagosomes in Hepatocytes Are Generated from Dynamic Plasma Membrane Tubules Driven By the Oncogenic Small Gtpase Rab10
Shaun Weller, Zhipeng Li, Kristina Drizyte-Miller and Mark McNiven

846: Cancer Associated Fibroblasts Transfer Mitochondrial to Liver Cancer Cell and Induce the Chemoresistance Via Rho-Gtpase Pathway
Zhicheng Yao, Changchang Jia, Dongbo Qiu, Zexiao Lin, Zenan Huang and Qi Zhang
Poster Sessions

847: Melatonin Protects Liver from Ischemia/Reperfusion Injury By Modulating Mitochondrial Dynamics and Biogenesis Via Redox Balance
Jeong-Min Hong and Sun-Mee Lee

848: Rat oatp1a1 Interacts Directly with oatp1a4 Facilitating Its Maturation and Trafficking to the Plasma Membrane
Pijun Wang, Wen-Jun Wang, John Murray and Allan Wolkoff

849: Hyperammonemia Induced Redox Changes in Skeletal Muscle Perturbs Glucose-Pyruvate Metabolism and Tissue Bioenergetics
Mahesa Gangadhariah, Allawy Allawy, Gangarao Davuluri, Avinash Kumar, Sashi Kant, Khaled Alsabbagh Alchirazi, Rohan Shah, Yana Sandlers, Takhar Kasumov, Xian Mao, Thomas O’Connell, Robert Harris and Srinivasan Dasarathy

850: Phosphoinositide 3-Kinase Delta (PI3Kd) Regulates Liver Tissue Morphogenesis through Extracellular Matrix Assembly and Its Expression Is Associated with Invasive Liver Cancer Phenotypes
Christophe Desterke, Jean Agnetti, Juan Wang Peng, Nassima Benzoubir, Didier Samuel and Ama Gassama-Diagne

851: Comparison of the Effects of Four Types of Human Mesenchymal Stromal Cells and Fibroblasts on Primary Human Hepatocyte Functions to Improve the Outcome of Hepatocyte Transplantation.
Ella Hubber, Anil Dhawan, Charlotte Lee, Joanna Tang, Emer Fitzpatrick, Audrey Varin, Valeria iansante and Céline Filippi

852: Nuclear Polyploidy Profile is a New Marker of Molecular HCC Tumour Classification
Myriam Bou-Nader, Romain Donne, Stefano Caruso, Julien Calderaro, Geraldine Gentic, Antoine L’Hermitte, Thomas Guilbert, Christophe Klein, Gabriele Coughy, Severine Célin-Morizur, Jean-Pierre Couty, Jessica Zucman-Rossi and Chantal Desdouets

853: Development of an Easy to Assemble 3D-Hepatic Spheroid Culture System for Studying Long Term Hepatic Biology in Vitro
Sujoy Lahiri, Michael Connolly, Debra Johnson, Mark Kennedy, Deborah Tieberg and Rafał Witek

854: 5-Ethynyl-2'-Deoxyuridine (EdU) Labeling Reveals That Mitochondrial DNA (mtDNA) Synthesis Occurs at a Decreased Mitochondrial Membrane Potential (ΔΨm) in Hepatocarcinoma Cells
Kenji Takemoto, Li Li and John Lemasters

855: Regulation of mTORC1 Signaling in Hepatocytes By the Small Gtpase Rab32
Kristina Drizyte-Miller, Micah Schott and Mark McNiven

856: Hyperammonemia Induced Upregulation of Ammonia Transporter Rhbg Recruits MyD88 Mediated Signaling Events
Sashi Kant, Gangarao Davuluri, Khaled Alsabbagh Alchirazi, Avinash Kumar, Mahesa Gangadhariah, Anna Marini, Irving Weiner and Srinivasan Dasarathy

857: YAP Activation in Hepatocytes at Early Stage of Steatohepatitis
Jiaen Liang, Jinlian Yang, Yongjian Zheng, Shiyi Li and Yan Wang

858: Caveolin-1 and Polymerase I and Transcript Release Factor Are Related to Lipid Droplet Formation in Human Hepatic Stellate Cells
Hiroaki Yokomori, Wataru Ando and Masaya Oda

859: Human Umbilical Vein Endothelial Cells Demonstrate Plasticity to Differentiate to Sinusoidal Endothelial Cells within Decellularized Liver Grafts
Anne Young, Ben Steiner, Sarah Thornburgh, Dominique Seetapun and Jeff Ross

Clinical and Translational Hepatobiliary Cancer I

860: Post-Transplant Hepatoblastoma Recurrence Associates with Novel Mutations, Higher Tumor Mutational Burden, and Tumor-Infiltrating CD8 Cells
Mylarappa Ningappa, Sarangarajan Ranganathan, Brandon W Higgs, Chethan Ashokkumar, Catherine Scott and Rakesh Sindhi

861: Incidence of Hepatocellular Carcinoma (HCC) in Patients with Hepatic Arterial-Enhancing Phase (HAPE) Lesions: Cleveland VA Experience
Jamie Elchert, Anita Moreland, Yngve Falck-Ytter, Christopher Siegel, Ray Wong, Preet Kang, Robert Gildone, Christina Vonhaz and Hawwa Alao

862: A Novel Diagnostic Serum microRNA Biomarker Panel for Hepatocellular Carcinoma in Hepatitis C
Anna Weis, Louise Marquart, Diego Calvopina, Berit Genz, Grant Ramm and Richard Skoien

863: The Cost Effectiveness of Hepatic Arterial-Enhancing Phase (HAPE) Lesion Surveillance: Cleveland VA Experience.
Dhairya Mehta, Jamie Elchert, Anita Moreland and Hawwa Alao

864: Comparison of Screening for Hepatocellular Carcinoma and Esophageal Varices By Hepatologists and Primary Care Providers Among Patients with Hepatitis C and Advanced Fibrosis
Samuel Muench, Sanjana Luther, Ginger Wey, Sheila Reynoso, Marie Bresnahan, Ann Winters, Alain Litwin and Jonathan Schwartz

865: Different Radiological Findings between Hepatocellular Carcinoma (HCC) after HCV Eradication with Direct Acting Antivirals (DAAs) and HCV-RNA Positive HCC
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971: Predictors, Burden, Impact, and Health Care Utilization of Cardiac Arrhythmias in Patients with Decompensated Liver Cirrhosis.
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972: The Clinical Course of Recurrent Versus Refractory Ascites in Outpatients with Cirrhosis
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973: Evolution of Diagnostic Criteria for Acute Kidney Injury in Decompensated Cirrhotic Patients: Prospective Study in a Tertiary University Hospital.
Nayana Vaz, Vanessa Cunha, Marlone Cunha-Silva, Tiago Sevá-Pereira, Jazon Almeida and Daniel Mazo

973A: Factor XIII Is Decreased in Decompensated Cirrhosis with Acute Kidney Injury Resulting in Weaker Clot Formation and Significant Hypocoagulability.
Nicolas Intagliata, Jessica Davis, Jeffrey LaFond, Charles Greenberg, Uta Erdruegger, Patrick Northup and Stephen Caldwell

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974: Ultrasound Imaging Guidance and Large Volume Paracentesis: An Analysis of Safety, Cost-Effectiveness, and Utility in Restricting Unnecessary Transfusion
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977: Factors Affecting Cost of Liver Transplantation. An Analysis at Kaiser Permanente Northern and Southern California, a Large Integrated Healthcare Delivery System
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978: Cost-Effectiveness Analysis of Hepatitis B Virus Screening and Management in Patients with Hematicologic or Solid Malignancies Anticipating Immunosuppressive Cancer Therapy
Jessica Hwang, Danmeng Huang, John Vierling, Maria Suarez-Almazor, Ya-Chen Shih, Mariana Chavez-MacGregor, Zhigang Duan, Dawn Hershman, Michael Fisch and Scott Cantor

979: Routine Surveillance for Hepatocellular Carcinoma Is Cost-Effective in Hepatitis C Patients after Viral Eradication
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980: Utility of Bone Marrow Biopsy in Pre-Liver Transplant Evaluation of Cytopenia
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981: High Co-Morbidity Burden Contributes to Higher Hospitalization Charges and Higher In-Hospital Mortality Among Nonalcoholic Fatty Liver Disease Patients Hospitalized in the United States
Pramma Elayaperumal, Katherine Dang, Benny Liu, Taft Bhuket and Robert Wong

982: Longitudinal Analyses of Comorbidities and Healthcare Costs Among Nonalcoholic Fatty Liver Disease (NAFLD)/Nonalcoholic Steatohepatitis (NASH) Patients with Advanced Liver Disease
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983: Increasing Healthcare Resource Utilization (HCRU) and Costs Associated with Advanced Liver Disease - A Multivariate Analyses of Real-World Medicare Nonalcoholic Fatty Liver Disease/Nonalcoholic Steatohepatitis (NAFLD/NASH) Patients
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984: The Cost-Effectiveness of HCV Screening of Pregnant Women in the United States
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985: Disease and Economic Burdens of Chronic Liver Disease Amongst Patients Chronic Kidney Disease in the United States (US)
Mohamed Elsaid, Navaneeth Narayanan, You Li and Vinod Rustgi

986: Antiviral Prophylaxis Is Not Cost-Effective in Anti-Hbc Positive Only Adults Receiving Anti-Tumor Necrosis Factor Therapy: A Markov Model Analysis
Kali Zhou, Christine Baumgartner, Kevin Selby and Norah Terrault

987: Disease and Economic Burdens of Hepatitis Delta in the United States
Mohamed Elsaid, Navaneeth Narayanan, You Li and Vinod Rustgi

988: Magnetic Resonance Imaging Is Cost-Effective for Hepatocellular Carcinoma Surveillance in High Risk Patients with Cirrhosis
Hye-Lim Kim, Jihyun An, Jae-A Park, Seung-Hoo Park, Eui-Kyung Lee and Young-Suk Lim

Farah Shirazi, Benny Liu, Michele Tana, Taft Bhuket and Robert Wong

990: Significant Race/Ethnicity-Specific Disparities in Cirrhosis-Related Mortality and Healthcare Costs Among Hospitalized Patients with Cirrhosis in the United States
Sanah Ladhani, Benny Liu, Michele Tana, Taft Bhuket and Robert Wong

991: Tailored Message Interventions Using Social Marketing Approach Versus Typical Messages for Increasing Participation in Viral Hepatitis Screening Among Japanese Workers in the Medium or Small-Sized Companies: A Randomized Controlled Trial
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992: Cost-Effectiveness Analysis of the Treatment for Chronic Hepatitis C in Spanish Prisoners
Andrés Marco, Raquel Domínguez-Hernández and Miguel Ángel Casado

993: Epidemiological and Economic Evaluations According to Daa Treatment Access in Italy Based on Real Life Piler Cohort Data
Loreta A. Kondili, Andrea Marcellusi, Raffaella Viti, Maria Giovanna Guaranta, Luigina Ferrigno, Daniela Caterina Amoruso, Monica Monti, Barbara Cocco, Roberto Filomia, Serena Bruno, Andrea Iannone, Elisa Biliotti, Alessia Giorgini, Martina Loi, Vincenza Calvaruso, Antonio Riccardo Buonomo, Valeria Guarneri, Alberto Zanetto, Filippo Baragli, Valentina Cossiga, Maria Concetta Gizzi, Eleonora Castelli, Marco Cannizzaro, Donatella Ieluzzi, Maria Vinci, Mario Masarone, Luisa Cavalletto, Romina Corsini, Anna Licata and Francesco Mennini

994: Health Care Resource Utilization in Biopsy-Proven NAFLD and NASH at Kaiser Permanente Southern California (KPSC), a Large Healthcare Delivery System
Lisa Nyberg, Heather Patton, Susan Caparosa, Julie Stern, Kevin Chiang, Su-Jau Yang and Anders Nyberg

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998: Pharmacokinetics of Once Daily Sofosbuvir or Ledipasvir/Sofosbuvir in HCV-Infected Pediatrics Aged 3 to <6 Years Old
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999: Safety and Efficacy of Cobalopasvir and Sofosbuvir in Genotype 1, 2, 3, and 6 HCV-Infected Patients with Compensated Cirrhosis or without Cirrhosis
Bi-Fen Luo, Jinglan Jin, Huiying Rao, Guangjun Song, Guangming Li, Yongfeng Yang, Yuxiu Guo, Sujun Zheng, Chenghao Li, Jing Ning, Hong Qin, Hai Pan and Lai Wei

1000: Vimitasvir and Sofosbuvir for HCV Genotype 1 Infection
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★1006: A Novel Jak3KORag2KO Chimeric Mouse Model for the Study of Hepatitis Virus Virology
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★1007: HCV Related Sustained Virologic Response Leads to Upregulation of the Endogenous Lipoprotein Pathway
Varun Takvar, Ahmad Alawad, Kristin Valdez, Colleen Byrnes, Alan Remaley, Robert Shamburek, T Jake Liang and Marc Ghany

1008: Intrahepatic Plasmacytoid Dendritic Cells Are Polyfunctional and Potent Interferon Alpha Producers during Chronic Hepatitis C Virus Infection
Erin Doyle, Adeeb Rahman, Costica Aloman, Arielle Klepper, Sang Kim, Kian Bichoupan, Brandy Haydel, Ahmed El-Shamy, Francisc Eng, Sander Florman, Maria Isabel Fiel, Thomas Schiano and Andrea Branch

1009: A Liver-Derived Secretory Protein, LECT2, Enhances the Innate Immune Response and Suppresses RIG-I Mediated Virus Infection
Takayoshi Shirasaki, Masao Honda, Kuozheng Shi, Tetsuro Shimakami, Hirofumi Misu, Toshinari Takamura and Shuichi Kaneko

1010: RNA-sequencing Analysis of B Lymphocytes from Chronic HCV Patients and Matched Controls Reveals Potential Malignancy-like Dysregulation
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1012: Comparison of Gut Microbiota and Predicted Functional Metagenome in Hepatitis C Patients with and without Advanced Fibrosis Categorized by FIB-4 Index
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1013: Breaking Free from Hepatitis C – Hepatitis Treatment in South London Prisons
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1014: HCV Infection Affects the Hepatokine Secretion Profile to Induce Peripheral Insulin Resistance: A Model of Hepatogenous Diabetes
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1015: The Mechanism of a Novel Lncrna Regulates HCV Infection through IFI16
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1016: Direct-Acting Antiviral Therapy Restores the Phenotype and Function of T Follicular Helper Cells and B Cells in Hepatitis C Virus-Infected Patients
Arshi Khanam, Shyamasundaran Kottil and Eleanor Wilson

1017: Proteomic Analysis By Mass Spectroscopy of Cryoprecipitates from Patients with HCV Associated Cryoglobulinemic Vasculitis Undergoing Direct Acting Antiviral Treatment Compared to Patients with Persistent Cryoglobulinemia after Sustained Viral Response
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1018: Combination Therapies Except NS5A Inhibitors Efficiently Suppress HCV with NS5A P32del in Mice.
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1019: HCV Infection Inhibits Hepatocyte Autophagy through Rubicon up-Regulation Leading to Activation of Type I Interferon and Suppression of HCV Replication.
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1021: Hepatitis C Virus Infection Inhibits Autophagic Flux Via Induction of Endoplasmic Reticulum Stress
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1022: Differential Gene Expression of Chemokine/Cytokine Receptors/Ligands and B-Cell Receptor Signaling in Peripheral Blood B Cells from Chronic HCV-Infected Patients
Richard Wang, Valeria De Giorgi, Kazi Salam, Huizhi Zhou, Teresa Grandinetti, Sarah Fowler, Harvey Alter and Robert Allison

1023: Efficacy of 8 Weeks Versus 12 Weeks of Elbasvir/Grazoprevir in Treatment-Naïve Chronic Hepatitis C Genotype 1b Patients with Mild Fibrosis: An Open-Label, Randomized, Active Control Trial (EGALITE)-Interim Report
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1024: Hepatitis C Viral Diversity Declines during the Course of Direct-Acting Antiviral Therapy and Affects Antiviral Therapeutic Effect.
Akira Doi, Hayato Hikita, Yugo Kai, Yuki Tahata, Takahiro Kodama, Hideki Hagiwara, Yoshihiko Inui, Eiji Mita, Ryoko Yamada, Ryotaro Sakamori, Tomohide Tatsumi and Tetsuo Takehara

1025: Association of TLL1 Polymorphism with Development of Hepatocellular Carcinoma after Hepatitis C Virus Eradication and Fibrosis Severity
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1026: Novel microRNA Restricts Hepatitis C Virus Infection through Restoration of β-Oxidation of Fatty Acids By Impeding CAP350 and Inducing Activity of Pparα
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1027: Specific Genetic Determinants in NS5A and Core Regions Correlate with Genotype 1b HCV-Induced Hepatocellular Carcinoma: Implications for Viral Markers of Disease Progression
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1028: Changes in Intrahepatic Transcriptomic Profiles Are Distinct during Daa and IFN-Based Therapy for HCV and May Have Implications for Daa-Related Sequelae
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1029: Emergence of NS5A Rass Among HCV RF1 2k/1b Patients Treated within Georgian Hepatitis C Elimination Program: A Case Report
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1030: The Characteristic and the Anti-HCV Reagents Susceptibility Analysis of NS5A Resistance-Associated Substitutions (RAS) Detected after Daa Treatment Failure Patients
Sayuri Nitta, Takebanova Kato, Jun Tsuchiya, Ayako Sato, Tomoyuki Tsunoda, Masato Miyoshi, Eri Inoue-Shinomiya, Fukiko Kawai-Kitahata, Miyako Murakawa, Yasuhiro Itsui, Mina Nakagawa, Seishin Azuma, Sei Kakinuma and Yasuhiro Asahina

1031: In Vitro Evaluation of P32 Deletion in Hepatitis C Virus NS5A for Viral Replication and Susceptibility to Antiviral Reagents
Asako Murayama, Hayato Hakita, Norie Yamada, Masaaki Shina, Masamichi Muramatsu, Takaji Wakita, Tetsuo Takehara and Takebanova Kato

1032: FKBPS Genetic Variation and Expression Among Depressed Individuals with Chronic Hepatitis C
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1033: Changes in Innate and Adaptive Immunity in Peripheral, Portal, and Splenic Blood Following Hepatitis C Virus Clearance
Rabab Ali, Gabriella Quinn, Kareen Hill, Grace Zhang, Elizabeth Townsend, Lisa Scheuing, Christopher Koh, Shakuntala Rampertaap, Sergio Rosenzweig, Elliott Levy, David Kleiner, Ohad Etzion and Theo Heller

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1035: Specific Metaboromic Factors Were Involved in Hepatic Fibrosis Progression after Svr Achievement in HCV Infection
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1036: Evaluation of Antiviral Effects of Second-Generation NS5A Inhibitor in Hepatitis C Virus Cell Culture System with Full-Genome Infectious Clones
Asako Murayama, Kei Fujiwara, Norie Yamada, Masaaki Shina, Masamichi Muramatsu, Takaji Wakita and Takano Mato

1037: Establishment of Infectious Genotype 4a Hcvc Culture System with Full-Genome Infectious Clones
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1038: Regulatory T Cell Function Was Modulated after Successful Direct-Acting Antiviral Treatment for Chronic Hepatitis C Patients
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1039: Hepatitis C Virus Proteins Core and NS5A Are Highly Sensitive to Oxidative Stress-Induced Degradation through Selective Autophagy
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1040: The Influence of Daclatasvir Plus Asunaprevir Therapy on CD4+ and CD8+ T Cells Function in Patients with Chronic Hepatitis C
Li Yu, Hong Zhang, Ningjia Cao, Zhu Li, Ye Zhang and Xuefan Bai

1040A: Dynamic of Microparticles in Patients with Hepatitis C Receiving Daa and Their Impact on Cardiovascular Risk: Hepcar Study

1040B: Endothelial Function Worsens with Hepatitis C Virus Direct-Acting Antiviral Treatment Despite Improvements in Systemic Measures of Inflammation
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★1041: Multispectral Imaging Reveals Unique Macrophage Profiles Associated with Type of Liver Disease and Fibrosis Stage
Omar Saldarriaga, Adam Booth, Jared Burks, Netanya Utay, Monique Ferguson, Laura Beretta and Heather Stevenson-Lerner

★1042: Liver cT1 Predicts Clinical Outcomes in Patients with Chronic Liver Disease, Equivalent to Biopsy
Arjun Jayaswal, Michael Pavlides, Rajarshi Banerjee, Matthew Kelly, Eleanor Barnes and Stefan Neubauer

★1043: Noninvasive Early Detection and Dynamic Mapping of Liver Fibrosis and NASH By Collagen-Targeted Protein MRI Contrast Agent
Jenny Yang, Mani Salarian and Jingjuan Qiao

★1044: Longitudinal Increase in Liver Stiffness on Magnetic Resonance Elastography Is Associated with Fibrosis Progression in NAFLD
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1045: Predicting Development of Cirrhosis in Asymptomatic Patients through Novel, Machine Learning Algorithm Using Routine Blood Tests in a Large Population Data Set
Neta Gottlieb, Ofer Isakov, Naama Schwartz, Shira Zelber-Sagi, Gabriel Chodick and Oren Shibolet

1046: Disparities in Liver Fibrosis and HCC Risk in a Diverse Cohort of Racial/Ethnic Minority Patients with Liver Disease
Deukwo Kwon, Alexandra DeBose-Scarlett, Masato Yoneda, Eugene Schiff and Emmanuel Thomas

1047: Validation of the Baveno VI Criteria for Noninvasive Diagnosis of Cacld and Clinically Significant Portal Hypertension by Transient Elastography
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1048: Functional Spleen Volume (fSV): Detects Cirrhosis(C) and Differentiates from Non-Cirrhotic (NC) Splenomegaly
John Hoefs

1049: Evaluation and Comparison of Thirty-One Noninvasive Models for Diagnosing Liver Fibrosis in Chinese Hepatitis B Patients
Xiao-Qin Dong, Zhao Wu, Hong Zhao and Guiqiang Wang

1050: Automated Quantification in Children of Visceral and Subcutaneous Adipose Tissue from Routine MRI Using a Convolutional Neural Network
Timoteo Delgado, Kang Wang, Tanya Wolfson, Adrijja Mamidipalli, Jeffrey Schwimmer, Albert Hsiao, Claude Sirlin and Michael Middleton

1051: S-Wave for Liver Elastography: Repeatability and In Vivo Study
Caitlin Schneider, Mohammad Honarvar, Julio Lobo, Edward Tam, Robert Rohling and Septimiu Salcudean

1052: Physiologic Staging with Hepatiq Predicts Cirrhosis Better Than Shear Wave Elasticity
John Hoefs

1053: Strong Concordance of New Point Shear Wave S-Shearwave (pSWE) and Fibroscan (TE) in HCV Patients.
Denise Vezzozzo, Marconi Cedro, Amanda Recuero, Julia Margon, Marília Mischiatto, Gleicy Reinoso, Daniel Mazo, Caroline Gomes, João França, Suzane Kioko Ono and Flair Carrilho

1054: Identification and Characterization of Nonalcoholic Fatty Liver Disease/Nonalcoholic Steatohepatitis (NAFLD/NASH) Patients with Advanced Liver Fibrosis Identified Using Noninvasive Test (NIT) of Hepatic Fibrosis: Real-World Results of 3,421 Patients
Zobair Younoss, Sanatan Shreay, Emily Parker and Rohit Loomba

1055: Liver Stiffness By Magnetic Resonance Elastography Correlates with Central Venous Pressure Rather Than Fibrosis in Fontan-Associated Liver Disease
Avesh Thuluvath, Frank Cetta, Thoetchai Peeraphatdit, Ryan Lennon, Mayank Sharma, Patrick Kamath and Douglas Simonetto

1056: Shear Wave Elasticity Predicts Risk Categories in Patients with LIVER Cirrhosis. Pandora Study.
Jorge Poo, Linda Munoz-Espinosa, Larissa Hernández, Frida Gasca, Carina Zapata, José Izaguirre, Paula Cordero, Carlos Ramirez-Castillo, Javier Cervera, Francisco Rivera-Ramos and Juan Aguilar-Ramírez

1057: Real World Application of Each of Liver Stiffness and Platelet Count Alone in Predicting Absence of Clinically Significant Esophageal Varices: Extending the Baveno VI Criteria
Carol Rouphael, Mahnur Haider, Rocío Lopez, Myra Feldman, Talal Adhami and William Carey

1058: Transient Elastography for the Assessment of Hepatic Fibrosis and Steatosis in HIV Mono-Infected Individuals with Abnormal Liver Tests – Heal (HIV non-viral Liver disease) Study
Dev Katary, Laura Vickers, Jonathan Potts, Bethany Parnell, Yishi Tan, Yvonne Gilleece and Sumita Verma
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1059: Fibrosis-4 Score (FIB-4) Provides Consistent Assessment of Healthcare Costs and Healthcare Resource Utilization (HCRU) Among Nonalcoholic Fatty Liver Disease/Nonalcoholic Steatohepatitis (NAFLD/NASH) Patients with Advanced Fibrosis
Stuart Gordon, Burak Ozbay, Emily Parker, Stephanie Korrer and Robert Wong

1060: MR Elastography Detects Higher Liver Fibrosis in HIV Infected Cocaine Users in the Miami Adult Studies on HIV (MASH) Cohort
Marianna Baum, Gustavo Zarini, Richard Ehman, Kenneth Sherman, Qingyun Liu, Jun Chen, Robert Laird, Angela Laird, Pedro Greer, Leslie Seminario, Jupshy Jasmin, Jacqueline Hernandez, Colby Teeman, Angelique Johnson, Sabrina Martinez and Adriana Campa

1061: Screening for Hepatocellular Carcinoma Using M2BPGi in Primary Care and Specialist Follow-up for Collateral Circulation and Carcinoma Risk Evaluation Using Magnetic Resonance Elastography
Toru Setsu, Atsounori Tsuchiya, Naruhiro Kimura, Takeshi Yokoo, Akira Sakamaki, Hiroteru Kamimura, Kenya Kamimura, Masaaki Takamura and Shuji Terai

Marc-Michel Rohé, Estanislaao Oubel, Marie-Lise Grisoni, Stephen Djedjos, Robert Myers, Rohit Loomba and Michael Middleton

1063: Higher Liver Fibrosis and Iron Status with Magnetic Resonance Elastography in HIV
Sabrina Martinez, Adriana Campa, Kenneth Sherman, Pedro Greer Jr., Jun Chen, Richard Ehman, Robert Laird, Angela Laird, Leslie Seminario, Jupshy Jasmin, Qingyun Liu, Mukesh Mudgal, Jacqueline Hernandez, Colby Teeman and Marianna Baum

1064: Diagnostic Accuracy of GAMMA Glutamyl Transferase Platelets Ratio in Predicting Liver Fibrosis and Cirrhosis Noninvasively in HCV Patients
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1065: Clinical Factors Associated with Liver Stiffness Improvement after 78 Week Antiviral Therapy in Chronic Hepatitis B Patients
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1066: Diagnostic Value of the Serum Biomarker Mac-2 Binding Protein Glycan Isomer (M2BPgi) for Liver Fibrosis in Relation to Fibrosis Etiology and Patient Gender
Takako Inoue, Rie Kanda, Tomoyuki Ohike, Minoru Ohhashi, Shigeru Sato, Takaaki Goto and Yasuhiro Tanaka

1067: Shear Wave Elasticity (SWE) Unreliable in Detection of Cirrhosis
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1068: Identification of Liver Fibrosis Using the Hepatic Vein Waveform in Patients with Fontan Circulation
Takuma Nakatsuka, Yoko Soroida, Hayato Nakagawa, Takahiro Shindo, Masaya Sato, Katsura Soma, Aya Shinozaki-Ushiku, Masashi Fukayama, Hitoshi Ikeda, Yutaka Yatomi, Ryosuke Tateishi, Ryo Inuzuka and Kazuhiko Koike

1069: Classifying Liver Fibrosis in NAFLD Patients: A Single Center Experience
Noha Abdelgellil, Anna Hefner, Fatma Barakat, Mohyee Ayouty, Rand Hindosh, Jasmine Nguyen and Tarek Hassanein

1070: APRI and FIB 4 Are Simple and Cost Effective Tools Compared to Magnetic Resonance Elastography in Predicting Cirrhosis in Patients with HCV
Chetan Kalal, Akash Shukla, Ajit Bhadoria, Swati Kamble, Mrunal Kamat, Mihir Vora and Samir Shah

1071: Reliability and Inter Hepatic Lobe Variability of 2D-Shear Wave Elastography in Patients with Hepatosplenic Schistosomiasis
Zulane Veiga, Hugo Perazzo, Flavia Fernandes, Gustavo Pereira, Renata Perez and Cristiane Villela-Nogueira

Takeshi Yokoo, Tsutomu Kanefuji, Takeshi Suda, Naruhiro Kimura, Toru Setsu, Hiroteru Kamimura, Akira Sakamaki, Kenya Kamimura, Atsounori Tsuchiya, Masaaki Takamura and Shuji Terai

1073: Accompanying Fatty Liver Disease May Lead to Overestimation of Liver Fibrosis By Liver Stiffness Measurement in Hepatitis B Patients
Lu Liu, Fang Liu and Tao Han

1074: To Improve the Current Quantitative Assay of Liver Fibrosis By Second Harmonic Generation Microscopy
Kai-Wen Huang

1075: Zonal Hepatic Stellate Cell (HSC) Activation in Nonalcoholic Steatohepatitis (NASH) Characterized By a Mathematical Model
Diane Longo, Grant Generaux, Christina Battista, Paul Watkins, Brett Howell and Scott Siler

1076: Serum Biomarkers Associated with Coronary Artery Disease in Patients with Non-Alcoholic Fatty Liver Disease (NAFLD)
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1077: Profiles of Computed Tomography-Measured Liver Volume in Viral and Non-Viral Chronic Liver Disease and Correlation with Liver Fibrosis
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★1078: O-Glcnac Transferase Regulates Necroptosis in Hepatocytes
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★1079: CD8 T Cell-Mediated Endothelial Damage Drives Liver Failure during Viral Hepatitis
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1080: Inflammasome-Mediated Cleavage of the Trafficking Adaptor Protein Ripl Regulates Exosome Cargo Specificity
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1081: Stat2 Deletion Impairs MAPK Signaling, NF-Kb Localisation to the Nucleus, Cytokine Expression and Is Protective from Sterile Inflammation
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1082: Protective Role of Fibroblast Growth Factor 21 (FGF21) in Ischemia Reperfusion (I/R) Induced Liver Injury
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1083: Activation of p53/p21 Signaling Pathway after Radiation Impairs the Regenerative Capacity of the Liver.
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1084: Acute and Chronic Effects of DPP-4 Inhibitors on Hepatic Inflammation in Rats Fed a High Cholesterol Diet
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★1085: Hepatic Stellate Cell Notch1 Signaling Triggers Liver Fibrosis As Mediated By Hyaluronan/CD44 Pathway
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★1086: Treatment Strategy of Liver Fibrosis Using a Novel Reprogramming Factor of Fibrogenic Hepatic Stellate Cells
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★1087: Pathogenic Role of PDE4 Enzymes in the Development of Liver Fibrosis in Humans and Mouse Models
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★1088: MAP1S-Mediated Autophagy Defects Induce Liver Fibrosis and Cause Mouse Lifespans Reduction
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1091: Liver Sinusoidal Endothelial Cells Undergoing Myofibrobast-like Transition By Notch Modulation Contributes to Hepatic Fibrogenesis
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1092: Alterations in Bile Acid Pool Size Mediate Hepatic Fibrogenesis in FGF15 Deficient Mice
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1093: Role of Hepatic Stellate Cell-Expressed Hedgehog Interacting Protein in Liver Fibrosis and HCC Development
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1094: ASK1 Inhibition Reduces Progression of Liver Cirrhosis and Prevents Tumor Development in the BALB/c. Mdr2-/- Mouse Model of Biliary Fibrosis
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1095: Integrin aVb3 Is a Common Target for Activated HSC and Activated SEC for the Treatment of Chronic Liver Diseases.
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1096: Macrophage Colony Stimulating Factor (CSF1) Promotes Regression of Advanced Fibrosis and Liver Regeneration in Mice.
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1098: A Universal Mechanism of Activation of Thy1+ Myofibroblasts in Organ Fibrogenesis
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1099: Post-Translational Modifications DRIVE the Effects of High-Mobility Group BOX-1 during LIVER Fibrosis Progression and Resolution
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1100: The Crosstalk of Tnfα and Hedgehog Pathways in the Ductular Reaction in Progressive Fibrosis
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1101: Adefovir Divoxipolix Limits Fibrogenesis through Antagonizing c/Ebpβ-Dependent UPR Signaling in Hepatic Stellate Cells
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1102: Integrin αvβ1 Regulates Pro-Collagen I Production in Human Hepatic Stellate Cells by a Non-Canonical Transforming Growth Factor-β Signaling Pathway
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1103: Promoter Activity of Human Cytoglobin Is Regulated By TGF-β1-Smad2-SP3 Pathway in Human, but Not Mouse, Hepatic Stellate Cells
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1105: Selective Overexpression of Cytoglobin in Stellate Cells Attenuates Thioacetamide-Induced Liver Injury and Fibrosis in Mice
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1106: Integrin αvβ6 Expression on Hepatic Progenitor Cells Severely Limits the Regeneration of Cirrhotic Liver after Partial Hepatectomy in Mice
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1107: Mesenchymal Stem Cells Cultured in Hypoxic Conditions Had a Greater Therapeutic Effect on Mice with Liver Cirrhosis through Prostaglandin E2 and miR210 Production Compared to Those Cultured Under Normal Oxygen Conditions
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1108: CD4+ Lymphocytes May Play an Important Role on Hepatic Sinusoidal Capillarization By Regulating the Number and Structure of Fenestrae of Lsec
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1109: A Novel Selective Small Molecule Inhibitor of avb6 Integrin Safely Prevents Pre-Established Biliary Fibrosis in Balbc.Mdr2-/- Mouse Model
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1110: Simultaneous Induction of Glycolysis and Oxidative Phosphorylation during Activation of Hepatic Stellate Cells Reveals Novel Targets to Treat Liver Fibrosis
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1111: NOX1/4 Inhibition Attenuates Myofibroblast Activation and Liver Fibrosis in MDR2 Deficient Mice, a Model of Progressive Cholangiopathy
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1112: Endoplasmic Reticulum Protein TXNDC5 Promotes Liver Fibrosis by Activating Hepatic Stellate Cells Via SMAD-Independent Transforming Growth Factor-β Signaling
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1113: Hepatocytes Exosomes Can Inhibit and Reverse the Development of Hepatic Fibrosis in Vivo
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1114: Targeting Myosin 1c to Reduce Hepatic Fibrogenesis
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1115: Development of a Novel Human 3D in Vitro Model for Evaluating New Anti-Fibrotic Drugs
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1116: Proteasome Activator 28 Gamma (PA28γ) Facilitates Apoptotic Priming of Hepatic Stromal Fibroblast Via c-Myc-Mediated Bcl-2 Inhibition
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1118: P300 Acetyltransferase Scaffolds with SMAD2/3 and TAZ to Mediate Their Nuclear Transport in Tgfβ Activation of Hepatic Stellate Cells
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1119: Fluorofenidone Reveals a Novel Function for Glutathione S-Transferase A3 in Inhibiting Hepatic Stellate Cell Activation and Hepatic Fibrosis
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1120: Targeting Pyruvate Kinase M2 As a Novel Therapeutic Strategy Against Liver Fibrosis and Hepatocellular Carcinoma
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1123: Promotion of Liver Regeneration/Anti-Fibrotic Effects of TGF-β Receptor Kinase Inhibitor Galunisertib in CCl4-Treated Mice and the Possibility for Clinical Application
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1124: Dynamical Network Biomarker Analysis Identify the Tipping Point and the Key Driving Molecules of Liver Fibrosis Progression
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1125: Hepatocyte NLRP3 Deficiency Attenuates Hepatocyte Pyroptosis and Liver Fibrosis through the Gsdmd Dependent Mechanism in Mice
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1125A: M1 Macrophages Promoting the Progress of Liver Fibrosis through Promoting Liver Progenitor Cells Differentiation into Myofibroblasts By Wnt Signaling
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1125B: Comparison of EUS-Vs. IR-Guided Liver Biopsies
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★1126: The Thrombogenic Risk Induced By Intraportal Infusion of Adult Derived Human Liver Stem/Mesenchymal Cells in Wistar Rats Can be Controlled with a Combination of Anticoagulant Drugs, Heparin and Bivalirudin.
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★1127: Geographic Variations in Deceased Donor Transplantations in the Age of the Opioid Epidemic
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1128: Split Liver Transplant Is Utilized Infrequently and Only in a Minority of Donor Service Areas in the United States
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1129: The Significance of Quantifying Liver Stiffness before Hepatectomy for Patients with Hepatocellular Carcinoma.

1130: Intrahepatic Fibrinogen Deposition Drives Liver Regeneration after Partial Hepatectomy in Mice and Humans.
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1131: The Hidden Burden of Liver-Related Mortality in Patients with Cirrhosis and Low Meld Score
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1132: Racial Disparities and Trends in Waiting and Transplantation for Alcoholic Hepatitis
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1133: Liver Hemodynamic Changes in Rats with Small-For-Size Syndrome: Quantitative Study Using the 4D-CT Perfusion Technique
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1134: Trends in Donor ALI: Impacts on Graft Selection and Outcomes
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1135: Liver Transplant (LT) Using Donation after Circulatory Death (DCD) Livers in High Risk Hepatocellular Carcinoma (HCC) Patients Leads to Further Reduction in Post-Transplant Survival
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1137: Modeling Long-Term Outcomes of Early Liver Transplantation (ELT) Vs. Delayed LT (6-Month Wait) for Severe Alcoholic Hepatitis (AH) and Quantifying the Impact of Harmful Alcohol Use Post-LT
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1138: Ex Vivo Fat Quantification Using Magnetic Resonance Imaging Hepatic Proton Density Fat Fraction in Human Cadaver Liver Predicts Early Graft Dysfunction after Implant: A Proof of Concept Study

1139: Validating the UK DCD Risk Score Using a Large Single Center Experience

1140: Use of Skeletal Muscle Index As a Predictor of Waitlist Mortality in Patients with End-Stage Liver Disease
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1141: Preoperative CT Quantification of Liver Surface Nodularity Helps Anticipating Postoperative Morbidity in HCC Patients Requiring Liver Resection.
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1142: Short and Long-Term Outcomes after Laparoscopic or Robotic Liver Resection in Patients with HCC Located in Posterosuperior Segments: Comparison with Open Liver Resection
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1143: Advancement in Perioperative Outcomes of Living Donors in Pure Laparoscopic Right Hepatectomy; When Should be Start Laparoscopic Donor Right Hepatectomy?
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1144: Ex Vivo Magnetic Resonance Imaging (MRI) Proton Density Fat Fraction (PDFF) of Human Donor Livers Accurately Quantifies Steatosis: A Proof of Concept Study

1145: Clinical Outcomes of Donation after Cardiac Death Versus Donation after Brain Death in Liver Transplantation for Primary Sclerosing Cholangitis: A Multicenter 15 Year Experience.
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1146: Behind Closed Doors: The Transparency Surrounding Eligibility Criteria for Liver Transplantation
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1147: A Caudate Branch As the Anatomical Landmark for Optimal Bile Duct Division during Donor Hepatectomy
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1148: Does Chemical Dependency Committee (CDC) Evaluation Predict and Affect Recidivism in Patients with Alcoholic Liver Disease Who Undergo Liver Transplantation? a Single Center Experience
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1149A: Patient’s Perspective on Early Liver Transplantation for Alcoholic Liver Disease
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1149B: Presumed Consent: A Potential Tool for Countries Experiencing an Organ Donation Crisis
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1149C: Diffuse Optical Non-Destructive Organ Risk (DONOR) Indexing of Significant Fibrosis and Necrosis in Liver Parenchyma for Pre-Transplant Evaluation
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1151: Serum Markers of Type IV Collagen Fibrogenesis and Fibrolysis (P4N7PS and C4M2) Predict Recurrent Cirrhosis in Patients Post Liver Transplant.
Ida Villesen, Tim Zimmermann, Natalja Gudmann, Diana Leeming, Aleksander Krag, Morten Karsdal and Detlef Schuppan

1152: Outcomes Following Liver Transplantation in Young Infants
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1153: Systematic Review and Meta-Analysis of Randomized Controlled Trials Comparing Efficacy and Safety of Mechanistic Target of Rapamycin Inhibitors Versus Calcineurin Inhibitors Among Liver Transplant Recipients
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1154: Transient Non-Ischemic Cardiomyopathy (TNIC) Following Orthotopic Liver Transplantation (OLT)
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1155: A Comparison of Models for Tumor Recurrence after Liver Transplantation: For the Patients with Hepatocellular Carcinoma: A Long-Term Multicenter Follow-up Study
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1157: Older Age and Worse Functional Status Are Important Predictors of Waitlist Mortality Among Adults Awaiting Liver Transplantation in the United States
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1158: Evaluation of Baseline Donor and Longitudinal Recipient Hepatic Histology for Evolution of Steatosis and Fibrosis
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1159: Validation of D-Meld in the Setting of Liver Re-Transplantation
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1160: Role of Liver Transplantation in the Treatment of Hereditary Fibrinogen Aa-Chain Amyloidosis
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1161: Recurrent Non-Alcoholic Fatty Liver Disease after Liver Transplantation: A Single Center Experience Based on Protocol Liver Biopsy
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1162: Characterizing Opiate Use in Liver Transplantation

1163: While Poor Functional Status and Older Age Are Associated with Increased Post-Liver Transplant Mortality, the Detrimental Impact of These Factors Varies across Liver Disease Etiologies
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1164: Changes in Performance Status after Liver Transplantation; A National Cohort Study
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1165: Outcomes of Liver Transplantation in Patients Affected By Acute-on-Chronic Liver Failure
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1166: Moderate Creatinine Elevation (1.5-2.5 mg/dl) at the Time of Liver Transplantation Markedly Reduces End-Stage Renal Failure-Free Survival in Patients with NAFLD: Need for Revised Criteria for Combined Liver-Kidney Transplantation
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1167: Late Graft Loss in Children and Young People Post Liver Transplantation: The Importance of Transition Services
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1168: Prevalence Rates of Colorectal Cancer after One-Year of Orthotopic Liver Transplantation in the United States between 2013 and 2018: A Population Based National Study
Emad Mansoor, Gregory Cooper, Stanley Cohen and Seth Sclair

1169: Hepatocellular Carcinoma with Portal Vein Invasion Treated with Radioembolization Prior to Liver Transplantation
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1170: Immediate Post-Operative Extubation Decreases Pulmonary Complications in Liver Transplantation Recipients
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1171: Impact of Inflammatory Bowel Disease on the Outcome of Liver Transplantation for Primary Sclerosing Cholangitis: A Multicenter Comparative Study
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1172: Liver Transplantation (LT) for Acute Fatty Liver Disease of Pregnancy (AFLP) – an Srrt Outcomes Study
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1173: Key Outcomes Following Liver Transplantation for Nash Cirrhosis – Results of a Multicenter Consortium (NAIL NASH) Study
Carlos Figueredo, Mohammad Siddiqui, Kymberly Watt, Saleh Elwir, James Trotter, Raiya Sarwar, Dyanna Gregory, Chandra Bhati, Trevor Reichman, Mounika Angirekula, Danielle Brandman, Coleman Smith, Arul Thomas, Sanjaya Satapathy, Ramie Khouri, Daniela Ladner and Mary McCarthy Rinella

1174: Sarcopenia As a Tool to Predict Post-Liver Transplant (LT) Mortality in the Acutely Ill LT Candidate
Myra Ahmad, Selena Kuo*, Michael Dunn, Aldo Montano-Loza, Elizabeth Carey, Shezhang Lin, Akshata Moghe, Hui Wei Chen, Maryam Ebadi, Markus Sommer, Cynthia Tang and Jennifer Lai

1175: Liver Transplant Trends in the U.S. Based on Srtr Data from 2001 -2016: The Emergence of Nash and Potential Implications
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1176: Twenty Year Experience of Post Transplant Lymphoproliferative Disorder in Liver Transplantation
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1177: Liver Transplantation with Excellent Outcomes Is Feasible in the Presence of Multiple Organ Failures
Paul Thuluvath, Avesh Thuluvath, Steven Hanish and Yulia Savva

1178: Pre-Transplant Corticosteroids (CS) and Infection Risk after Early Liver Transplantation (LT) for Severe Alcoholic Hepatitis (AH): Good or Bad?
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1179: Transplantation of DCD Livers Increases the Rate of Post-Transplant Acute Kidney Injury, but Not of Chronic Kidney Disease When Compared to NDD or LDLT
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1180: Pre-Transplant Serum Chemokines As Biomarkers for Prediction of Futility Following Liver Transplantation in High Acuity Recipients
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1181: The Impact of Advanced Age on Waiting List and Post-Transplantation Outcomes for NAFLD Patients
Yuval Patel, Jacqueline Henson, Julius Wilder, Matthew Kappus, Andrew Barbas, Cynthia Moylan, Donna Niedzwiecki, Andrew Muir and Carl Berg

1182: Pre-Transplant Donor Specific Antibodies Associate with Incidence of Acute Cellular Rejection but Not Graft or Patient Survival after Liver Transplantation
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1183: Acute Antibody Mediated Rejection in Liver Transplantation Recipients: A Cause of Severe Allograft Dysfunction and Graft Loss
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1188: The Impact of Pre-Transplantation Performance Status on Hospital Resource Use Following Liver Transplantation.
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1190: Have Changes in Donor and Recipient Characteristics Affected Survival in Patients Undergoing Liver Transplantation for Hepatocellular Carcinoma?
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1192: HIV Infection Is Not Associated with Increased Cardiovascular Risk in Liver Transplant Recipients: A Single Center Comparative Study
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1193: Obesity and Diabetes Adversely Impact Survival in Liver Retransplantation
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1201: Pirche Algorithm May Predict De Novo Donor Specific HLA Alloantibodies (DSA) Formation Following Liver Transplantation. a Single Center Pilot Study.
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1206: Pre-Liver Transplant Deep Venous Thrombosis May be Associated with Post-Transplant Hepatic Artery Thrombosis: A Multicenter Matched Case-Control Study.
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1207: Steroids, Fast Taper or Prolonged Immunosuppression in Liver Transplant: The Effects on Rejection and Survival.
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1209: Neuropraxia: An Under-Appreciated Morbidity of Liver Transplantation
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1211: Pregnancy Outcomes and Reproductive Health after Liver Transplantation: A Survey of 100 Women
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1212: Predictors for 30-Day Readmission after Liver Transplantation
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1213: Early Conversion from Tacrolimus to Cyclosporine to Treat Neurologic Complications after Liver Transplantation May be Ineffective
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1214: Impact of Liver Disease on Weight Gain Trends after Liver Transplantation

1215: Largest Series Exploring Implications of Gamma-Glutamyl Transferase Elevation in Post Liver Transplant Recipients, an Analysis of 511 Consecutive Patients
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1216: Effects of Intrapatient Variability of Tacrolimus Concentration on Clinical Outcomes in Patients Immediately after Liver Transplantation
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1218: Follow-up to 15 Years in HIV Positive Patients after Liver Transplantation
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1219: Metabolic and Body Composition Changes after Liver Transplantation: Defining Risk Phenotypes
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1220: Persistent Ascites after Orthotopic Liver Transplantation: Analysis of Predictive Factors
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1221: Outcomes of Liver Transplantation for Unresectable Hilar Cholangiocarcinoma
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1222: Range of Normal Serum Aminotransferases Levels in Liver Transplant Recipients
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1223B: Liver Transplant Outcomes in the Hepatopulmonary Syndrome: 15-Year Canadian Hepatopulmonary Syndrome Program Experience
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1223C: Impact of Grade of Acute on Chronic Liver Failure on Outcome in Living Donor Liver Transplantation
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1223D: Improved Outcomes of Pediatric Liver Transplant Recipients with Addition of Basiliximab Induction Therapy
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1223E: Importance of Recipient Performance Status in Predicting Outcome after Living Donor Liver Transplantation
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**1224**: Prevalence and Incidence of Hepatitis E in Organ Waitlist and Transplant Recipients in the US
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**1227**: Refining Treatment Decisions in HCV-Infected Patients with Decompensated Cirrhosis: Frequency and Predictors of Recompensation with Direct-Acting Antiviral (DAA) Therapy
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**1228**: Outcomes of Liver Transplantation of Hepatitis C Virus Antibody-Positive Donor Organs into Hepatitis C Virus-Positive and -Negative Recipients in the Direct-Acting Antiviral Era
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**1230**: HCV Infected Graft to HCV Negative Liver Recipients: Safe Way to Expand Donor Pool. A Single Center Experience
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**1231**: Temporal Trends in Liver Transplant (LT) for Viral and Non-Viral Liver Diseases in Patients with Human Immunodeficiency Virus (HIV)
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**1235**: Liver Transplant for Hepatitis B - Is It Possible to Do Away with Anti-Virals after Liver Transplant?
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**1236**: Impact of Neuromedin-B Receptor Variants on Iron Metabolism and Liver Disease
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**1237**: A Novel Role for the Peroxisomal Protein PEX13 in Iron Homeostasis
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**1238**: Epigenomic Signatures of Disease Status and Clinical Presentation in Wilson Disease Patients
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**1239**: Title: Outcomes of Acute Liver Injury (ALI) in Adults Due to Wilson Disease: Is Survival without Transplant Possible?
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**1240**: Disease and Economic Burdens of Hemochromatosis in the United States
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1242: Is the HSD17B13 Variant a Genetic Modifier of Wilson Disease?
Peter Ferenci, Jan Pfeiffer, Albertfriedrich Stättemayer, Rudolf Stauber, Claudia Wilhelm, Karl Heinz Weiss, Michael Trauner and Heinz Zoller

1243: Ceruloplasmin Levels of Patients with Different Liver Diseases
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1244: Feasibility of Cellular Bioenergetics As a Biomarker in Porphyria Patients
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1245: Natural History and Current Management of Crigler-Najjar Syndrome: Report of the CN World Registry
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1246: Metabolomics Profile of Patients with Wilson Disease
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1247: Explore: A Prospective, Multinational Natural History Study of Acute Hepatic Porphyria Patients with Recurrent Attacks
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1248: Improvements in Serum Transaminases, Lipids, and Liver Volume in Adults with Lysoosomal Lipase Deficiency (LAL-D) Treated with Sebelipase Alfa (SA) Are Sustained for up to 5 Years
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1249: Clinical Presentation and Outcome of Patients with Severe Form of Wilson's Disease from a Monocentric Cohort of Liver Reference Center
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1250: Rising Population Ferritin Levels over 20 Years in Ireland - It’s Not the Celtic Curse.
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1251: Transient Elastography, APRI and FIB-4 Scores for Staging of Fibrosis and Cirrhosis in Wilson Disease
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1252: Diagnosis and Treatment of Hereditary Hemochromatosis (HH): Retrospective Review of a Day-Case Therapeutic Phlebotomy Service in the United Kingdom
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1252A: Inflammatory Pathways in Adipocytes Are Activated By Ferritin and Iron.
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★1253: Perinatal Obesity-Inducing Diet Primes the Liver for a Severe Murine Nonalcoholic Steatohepatitis Phenotype upon Re-Exposure
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★1254: Body Composition Profiling Differentiates Metabolic Disease Profiles within NAFLD
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★1255: The Role of Vitamin D3 up-Regulated Protein 1 in Human and Mice with Nonalcoholic Steatohepatitis (NASH)
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★1256: Macrophage-Specific HIF-1α Contributes to Impaired Autophagic Flux and Liver Inflammation in Non-Alcoholic Steatohepatitis in Patients and Mice
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Sadatsugü Sakane, Hayato Hikita, Kumiko Shirai, Shinnosuke Kudo, Naoki Mizutani, Yuta Myojin, Yuto Shioide, Yasutoshi Nozaki, Yoshinobu Saito, Tasuku Nakabori, Takahiro Kudo, Katsuya Tomisawa, Tomohiro Hata and Tetsuo Takehara

★1258: Reduction in D-Lactate Correlates with Reductions in Liver Fat and De Novo Lipogenesis (DNL) after Fructose Restriction in Obese Children and Adolescents: A New Link between Fructose and Non-Alcoholic Fatty Liver Disease (NAFLD)?
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1259: B-Cell Activating Factor Deficiency Improves Hepatic Steatosis in a Non-Alcoholic Fatty Liver Disease Mouse Model
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1260: A Feed Forward Loop Consisting of microRNA-24, Pparδ, and SrebP1c Maintains the Pathogenesis of Non-Alcoholic Steatohepatitis By Activating AMPK-Nkb-Tnfa Signaling Pathway
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1261: Liver Polyploidization during NAFLD Setting: A Gatekeeper of Replication Stress
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1262: Integrin β1 Enriched Extracellular Vesicles Released from Lipotoxic Hepatocytes Mediate Monocytes Adhesion
Qi Liu, Yiping Chen, Craig McClain and Wenke Feng

1263: Lactobacillus Rhamnosus GG culture Supermutant Improves Energy Expenditure and Glucose Tolerance in High-Fat-High-Fructose Fed Mice Exposed to Chronic Intermittent Hypoxia through Regulation of Intestinal Microbiota and Bile Acid Homeostasis
Qi Liu, Yiping Chen, Craig McClain and Wenke Feng

1264: Disruption of Myeloid Cell-Specific PFKFB3 Exacerbates Diet-Induced Hepatic Steatosis and Inflammation in Mice
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1265: Hepatic Metabolomics and Plasma MicroRNA Analysis of Combinations of an ASK1 Inhibitor, an ACC Inhibitor, and an FXR Agonist in a Rat Choline-Deficient High Fat Diet Model Reveal Reductions in Oxidative Stress, Inflammation and Fibrosis
Jamie Bates, Nandita Sarkar, Ricardo Ramirez, David Lopez, Kari Wong, David Hollenback, Kathy Liu, Anna Zagorska, Grant Budas, John Liles, Robert Brockett, David Newstrom, Igor Mikaelian, Li Li, Ren Xu and David Breckenridge

1266: Changes in Hepatic Lipidomics Induced by 1148M PNPLA3 in a Diet-Induced Murine Model of Steatohepatitis
Enara Arretxe, Cristina Alonso, Pierre Bedossa, Rebecca Caffrey and Arun Sanyal

1267: Protease-Activated Nanosensors for Noninvasive Monitoring of Nash
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1268: Deletion of FXR in Myeloid Cells Exacerbates Inflammation but Limits Fibrosis in a Murine Model of Non-Alcoholic Fatty Liver Disease.
Rachel McMahan, Cara Porsche, David Orlicky, Moshe Levi, Lucy Golden-Mason and Hugo Rosen

1269: Nobiletin Attenuates Steatosis in Obese Mice By Preventing Suppression of Hepatic Per2
Sebastian Larion, Joshua Butcher, James Mintz, Stephen Haigh, David Fulton and David Stepp

1270: Transcriptomic Analysis of Macrophages Treated with Sphingosine 1-Phosphate Identifies Mir-1249-5p Participating in Monocyte Chemoattractant Protein-1 Expression in Non-Alcoholic Steatohepatitis
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1271: Hepatic Protease Expression in Patients with Nash Correlates with Fibrosis Stage and Treatment Response in a Phase 2 Trial of Selonsertib
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1272: MiR-223 Regulates Hepatic Steatosis and Insulin Sensitivity By Targeting Prep1
Dan Ye, Guohua Lou, Tianbao Zhang, Aichun Li and Yanning Liu

1273: PRI-724, a Selective Inhibitor of Wnt/β-Catenin/ Cbp Signaling, Ameliorates Nash-Induced Liver Fibrosis
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1275: Flow Cytometry Reveals Distinct Changes in Hepatic Inflammatory Cell Populations in a Diet-Induced Obese Mouse Model of Non-Alcoholic Steatohepatitis
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1276: Muscle-Specific Metabolic Regulation By Thioesterase Superfamily Member 2 in the Pathogenesis of Nonalcoholic Fatty Liver Disease
Norhiro Imai and David Cohen

1277: Impaired Hepatic Vitamin A Metabolism in NAFLD Mice Leading to Vitamin A Accumulation in Hepatocytes
Ali Saeed, Paulina Bartuzi, Janette Heegsma, Daphne Dekker, Niels Kloosterhuis, Alain Bruin, Bart Van De Sluis, Johan Jonker and Klaas Nico Faber

1278: Unexpected Antidiabetic Effects Combined with Antifibrotic Activities of LXR Inverse Agonists in Mouse Models of NAFLD/Nash
Eva Hambruch, Christian Gege, Olaf Kinzel, Ulrich Deuschle, Manfred Birkel and Claus Kremoser

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1279: Safety, Pharmacokinetics, and Immunogenicity of BMS-986263/NDL02-s0201 in Healthy Japanese and Non-Japanese Participants
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1280: Macrophage Specific Delivery of TNF-α siRNA Inhibits Inflammation and Fibrosis By Regulating Macrophage Polarization in Murine Nash Models
Terumi Takahara, Shaowei Li and Xiaokang Li

1281: Rare Variants in Genes That Regulate Bile Acid Homeostasis in a Paediatric NAFLD Cohort
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1282: The Long Intergenic, Non-Coding RNA, Olmalinc, Regulates Lipid Metabolism By Regulating SREBP2 and SCD1
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1283: Comparison of Residential Vs Infiltrating NK Cells in a NAFLD Model
Lucy Golden-Mason, Rachel McMahan, Alexandra Kilgore and Hugo Rosen

1284: P2Y2 Purinergic Signaling Is Essential for the Induction of Diet-Induced Obesity and Nonalcoholic Steatohepatitis in Juvenile Mice.
Bryan Tackett, Carla Perez, Subapradha Narayanan, Feng Li, Moreshwar Desai and Sundararajah Thevananther

1285: Augmenter of Liver Reprogenation Protein Deficiency Promotes Hepatic Steatosis By Down-Regulating Pparα, PMP70 and ACOX1
Sudhir Kumar, Richa Rani, Rebekah Karns and Chandrashekhar Gandhi

1286: Development and Validation of a GENE-LEVEL Molecular Disease Activity and Fibrosis Score for Nonalcoholic Fatty Liver Disease
Steve Hoang, Abdul Oseini, Robert Vincent, Ryan Feaver, Banumathi Cole, Robert Figler, Mark Lawson, Nathan Day, Justin Taylor, Amon Asgharpour, Faridoddin Mirshahi, Brian Wamhoff and Arun Sanyal

1287: The Gut Microbiome Is Indispensable for Cold-Stimulated Thermogenesis: Implications for the Regulation of Energy Expenditure in NAFLD
Hayley Nicholls, Tibor Krisko, Curtis Bare, Corey Holman, Gregory Putzel, Alexander Banks and David Cohen

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1289: Osteopontin and Galectin-3 Are Early Biomarkers of Progression of Non-Alcoholic Fatty Liver (NAFL) to Non-Alcoholic Steatohepatitis (NASH) in Human Non-Fibrotic Livers
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1290: Deletion of IL-4 Receptor Alpha on Macrophages Attenuates Inflammation and Fibrosis in Murine Nonalcoholic Steatohepatitis (NASH)
Muhammad Ashfaq Khan, Misbah Aslam, Marcel Senkowski, Shih Weng and Detlef Schuppan

1291: Hepatocyte-Specific Depletion of Nuclear Membrane Proteins LAP1 or Torsina Causes Abnormal Lipid Droplet Accumulation and Nonalcoholic Steatohepatitis in Chow Fed Mice
Ji-Yeun Shin, Antonio Hernandez-Ono, Tatyana Fedotova, Michael Lee, Cecilia Ostlund, William Dauer, Henry Ginsberg and Howard Worman

1292: Evaluation of Fibrotic Endpoints and Therapies in an in Vitro Human Surrogate Model of Nonalcoholic Steatohepatitis (NASH).
Ryan Feaver, Banumathi Cole, Robert Figler, Andrea Fanjul, Jason Pickens, Steve Hoang, Mark Lawson, Andrew Krueger, Shinji Ogawa, John Reardon, Brian Wamhoff and Derek Erin

1293: Cholesterol Gallstones and Liver Steatosis Is Completely Prevented in Western Diet-Fed Mice with the Deletion of the Intestinal Lysophosphatidylcholine Acyltransferase 3 (Lpcat3) Gene
Helen Wang, Xian-Cheng Jiang and David Wang

1294: Mitochondrial DNA from Hepatocytes Induces Uprogulation of Interleukin-33 of Macrophages in Nonalcoholic Steatohepatitis
Yinjie Gao

1295: Meta-Analysis Illustrates Roles of Cholesterol Synthesis, Dysregulated Apoptosis, and Other Processes in Nash Pathogenesis
Jihad Aljabban, Kamal Khorfan, Imad Aljabban, Hisham Aljabban, Khalid Foflonker, Maryam Panahiazar and Dexter Hadley

1296: Myeloid Cell-Derived Osteopontin Protects from Diet-Induced Non-Alcoholic Fatty Liver Disease in Mice
Hui HAN, Daniel Lantvit, Harriet Gaskell, Xiaodong Ge and Natalia Nieto

1297: Saroglitazar, a Pparγ Agonist, Improves the Histology, Laboratory Indices, Molecular and Metabolomic Markers in a Diet Induced Animal MODEL of Nonalcoholic Steatohepatitis (NASH)
Rebecca Caffrey, Jonathon Marioneaux, Pierre Bedossa, Binu Phillip, Suresh Girl, Mukul Jain, Deven Parmar, Srinivas Koduru, Madhavi Bhat, Andrea Vadillo, Marta Iruarrizaga-Lejarreta, Cristina Alonso and Arun Sanyal

1298: A Rapid and Reproducible Quantification of Ballooning and Inflammation Using a Deep-Learning Approach and Comparison with Manual Scoring
Enrico Perspicace, Nathalie Degallaix, Benoit Noel, Alison Hourrier, Carole Belanger, Robert Walczak, Sophie Megnien, Dean Hum, Bart Staels and John Brozek
Poster Sessions

Rebecca Caffrey, Srinivas Kodurru, Amon Asgharpour, Jonathon Marioneaux, Pierre Bedossa and Arun Sanyal

1300: Icosabutate, a Novel Structurally Engineered Fatty-Acid, Exhibits Potent Anti-Inflammatory and Anti-Fibrotic Effects in a Dietary Mouse Model Resembling Progressive Human Non-Alcoholic Steatohepatitis
David Fraser, Xiaoyu Wang, Tore Skjaeret and Detlef Schuppan

1301: Hepatocyte-Specific Deleted TGF-β Receptor 2 Promotes White Adipose Tissue Browning in NAFLD Mice Induced By High Fat Diet
Wenfang Gui, Li Xiao, Weijun Wang, Qingjing Zhu and Ling Yang

1302: Role of Fibroblast Activation Protein α (FAP) Enzyme Activity in Steatosis, Insulin Resistance and Glucose Intolerance
Sumaiya Chowdhury, Xin Wang, Hui Zhang, Denise Yu, Angelina Lay, Michelle Xiang, Melkam Kebede, Stephen Twigg, Geoffrey McCaughan and Mark Gorrell

1303: Characterization of Hepatic Metabolome in an Isogenic Western-Diet Induced Murine MODEL of Nash with F2 Fibrosis
Rebecca Caffrey, Jonathon Marioneaux, Amon Asgharpour, Pierre Bedossa, Andrea Vadillo, Marta Iruarrizaga-Lejarreta, Cristina Alonso and Arun Sanyal

1304: Hepatic Extracellular Vesicles Attenuate Non-Alcoholic Fatty Liver Disease By Phosphatidylserine Receptor-Mediated IL-4 Production in Eosinophils
Myung-Ho Kim, Won-Mook Choi and Won-II Jeong

1305: The Performance Characteristics of Isolated Human Liver Cells Correlate with Donor Attributes in a Cohort of Tissues from Non-Diseased and NAFLD Donors
Huimin Yan, Hannah Ellerbrock, Kenneth Dorko, Craig Wise, Joel LeCluyse, Erika Hong, Michael Mashore, Kelsey Retting, Anna Waters, Kristoffer Rigbolt, Mikkel Christensen-Dalsgaard, Xiao Liu, Mojgan Hosseini, Tatiana Kisseleva and Sharon Presnell

1306: Hepatic FXR’s Protective Role Against Non-Alcoholic Steatohepatitis (NASH) Development in a High-Fat Diet Induced Non-Alcoholic Fatty Liver Disease (NAFLD) Mouse Model
Laura Armstrong, Bo Kong, Jianliang Shen, Liangyou Rui, Justin Schumacher, Monica Chow, Yi-Horng Lee and Grace Guo

1307: Angiopoietin-2 Promotes Pathological Angiogenesis and Is a Novel Therapeutic Target in Non-Alcoholic Fatty Liver Disease
Sander Lefere, Frederique Van De Velde, Anne Hoorens, Sarah Raevens, Sanne Van Campenhout, Astrid Vandierendonck, Sancya Kowdley, Anja Geerts and Lindsey Devisscher

1308: NGM282 Demonstrates Antiinflammatory and Antifibrotic Activities That Are Independent of Steatosis Reduction in a Farnesiol X Receptor (FXR)-Deficient, Diet-Induced Animal Model of Nonalcoholic Steatohepatitis (NASH)
Lei Ling, Mei Zhou, Marc Learned, Stephen Rossi and Alex DePaoli

1309: A Longitudinal Study of Skeletal Muscle Alterations in NAFLD
Maxime Nachit, Maxime De Rudder, Yves Horsmans, Greetje Vande Velde and Isabelle Leclercq

1310: Maternal Obesity Leads to Intergenerational, but Not Transgenerational, Changes in Bile Acid Pool Size and Composition in Mouse Offspring
Michael Thompson, Alaina Derse, Jeremie Ferrey, Michaela Reid, Nicholas Davidson and Kelle Moley

1311: Seladelpar Improves Hepatic Steatohepatitis and Fibrosis in a Diet-Induced and Biopsy-Confirmed Mouse Model of Nash
Yun-Jung Choi, Jiagao Song, Jeff Johnson, Pia Petersen, Sanne Veidal, Michael Feigh, Marc Hellerstein and Charles McWherter

1312: Sphingolipid Levels, a Marker for Nonalcoholic Fatty Liver Disease, Are Regulated By FXR
Zhibo Gai, Ting Gui, Irina Alecu, Museer Lone, Thorsten Homemann, Michele Visentini, Christian Hiller, Stephanie Hausler and Gerd Kullak-Ublick

1313: PXL770, a New Direct AMP Kinase Activator, Acting on the Adipose Tissue and the Liver, Demonstrates Promising Effects for Treatment of Non-Alcoholic Steatohepatitis
Pascal Guis-Dagorn, Pia Petersen, Sanne Veidal, Michael Feigh, Pascale Fouqueray, Sébastien Bolze and Sophie Rozec

1314: Safety and Pharmacokinetics of Multiple-Dose BMS-986036 in Healthy Japanese and Non-Japanese Adults
Giridhar Tirucherai, Takafumi Ide, Diane Shevell, Johanna Mora and Edgar Charles

1315: Identification of Serum miRNA Signatures and Related Molecular Pathways Associated with Nonalcoholic Fatty Liver Disease through Next Gen Sequencing
Priya Handa, Taek-Kyun Kim, Kai Wang, James Nelson and Kris Kowdley

1316: Voluntary Distance Running Prevents Disease Progression in Mice with Non-Alcoholic Fatty Liver Disease (NAFLD).
Nadine Gehrke, Jana Biedenbach, Yvonne Huber, Perikles Simon, Detlef Schuppan, Marcus-Alexander Woerns, Peter Galle and Jörn Schattenberg

1317: Changes in GUT Microbiome Associated with Nash Progression in a Diet Induced Animal MODEL of Nonalcoholic Steatohepatitis (NASH)
Jasmine Amizadegan, Mitra Kashani, Patrick Gillevet, Masoumeh Sikaroodi, Jonathon Marioneaux, Jerry Nadler, Arun Sanyal and Rebecca Caffrey
1318: Serum Somascan Proteomics Identifies Serum Biomarkers of Advanced Fibrosis in Nash Patients
Yi Luo, Edgar Charles, Abdul Oseini, Rebecca Collen, Alex Greenfield, Samir Wadhawan, Diane Shevell, John Thompson, Gabor Jarai, Rose Christian and Arun Sanyal

1319: Senescence-Associated Reprogramming Promotes Hepatocarcinogenesis in Nonalcoholic Steatohepatitis
Jeongeun Hyun, Seh-Hoon Oh, Cynthia Guy, Richard Premont and Anna Mae Diehl

1320: Acyl-CoA Thioesterase 9 (Acot9) Promotes Weight Gain and Hepatic Glucose Production
Sandra Steensels, Jixuan Qiao, Corey Holman, Curtis Bare and Baran Ersoy

1321: Role of the Transcription Factor Zinc Fingers and Homeoboxes 2 (Zfhx2) in Obesity and Non-Alcoholic Fatty Liver Disease (NAFLD)
Jieyun Jiang, Martha Peterson and Brett Spear

1322: Fibrosis Regression Observed in Treatment with FGFR19 Variants in a Diet Induced Mouse Model of Nonalcoholic Steatohepatitis (NASH) Is Predominantly Mediated By FGFR4 Activity and Independent of Weight Loss or Decreases in Hepatic Steatosis
Maria Deato, Brian Ko, Emily Snyder, Bernard Allen and Hui Tian

Pediatric Liver Transplantation

Fang Kuan Chiou, Sue Beath, Jane Hartley, Deirdre Kelly, Indra Van Mourik, Mona Abdel-Hady, Khalid Sharif and Girish Gupte

1324: Predicting Likelihood of Liver Transplantation for Pediatric Waitlist Candidates
Douglas Mogul, Xin Luo, Allan Massie, Tanveen Ishaque, John F Bridges and Dorry Segev

1325: Refit and Validation of Peld Score
David Schladi, Andrew Wey, Alyssa Herreid, Josh Pyke, Tim Weaver, Jon Snyder, Ajay Israni, W. Ray Kim and John Lake

1326: An Interferon-Gamma, Th1 Hepatic Inflammatory Signature Characterizes Patients with Indeterminate Pediatric Acute Liver Failure and Dense CD8+ T-Cell Infiltrate
Catherine Chapin, Padmini Malladi, Katie Neighbors, Sarah Taylor, Nina Srdanovic, Edward Behrens and Estella Alonso

1327: Transient Elastography Assessment of Liver Allograft Fibrosis in Transplant Recipients at Boston Children’s Hospital
Christine Lee, Silvia Nastasio, Paul Mitchell, Rima Fawaz, Scott Elsifon, Khashayar Vakili, Heung Bae Kim, Denis Nguyen and Maureen Jonas

1328: Immunosuppression Nonadherence Predicts Social-Emotional Functioning after Pediatric Liver Transplantation
Shannon Vandriel, Blossom Dharmaraj, Arpita Parmar, Mar Miserachs, Krista Van Roestel, Maria De Angelis, Yaron Avitzur and Vicky Ng

1329: Introducing Left Ventricular Mass Index As a Novel Predictor of Morbidity and Mortality in Children with Biliary Atresia Listed for Liver Transplantation
Noelle Gorgis, Fong Lam, Curtis Kennedy, Saul Karpen, Tamir Miloh, John Goss and Moreshwar Desai

1330: Expansion of the Liver Donor Supply through Greater Use of Split Liver Transplantation: Identifying Preferred Recipients
Douglas Mogul, Xin Luo, Jacqueline Garonzik Wang, Mary Grace Bowring, Allan Massie, Kathleen Schwarz, Andrew Cameron, John F Bridges and Dorry Segev

1331: High Antibody Response to Standard and Double Dose of Hepatitis B Vaccine in Children after Liver Transplantation: A Randomized Controlled Trial
Palittiya Sintusek, Yong Poovorawan, Voranuch Chongsrisawat and Suttiruk Jitraruch

1332: Varicella and Measles Immunity Following Pediatric Liver Transplant: A Single Center’s Experience
Jordan Yoeli, Dor Yoeli, Flor Munoz, John Goss and Tamir Miloh

1333: A Dedicated Collaborative Liver Intensive Care Team Improves Peri-Transplant Outcomes in Critically Ill Children with End Stage Liver Disease.
Fong Lam, Noelle Gorgis, Christopher Osborne, Manpreet Virk, Aye Arikar, Trung Nguyen, Kathleen Thompson, Amy Arrington, Kathleen Hosek, Curtis Kennedy, Tamir Miloh, Abbas Rana, John Goss and Moreshwar Desai

1334: Portopulmonary Hypertension - Novel Management of a Rare Complication of Cirrhosis in Children
Heli Bhatt and Girish Rao

Portal Hypertension and Other Complications of Cirrhosis: Experimental

1335: DHX15 Deficiency in Mice Causes Hepatic Alterations in Glucose Metabolism, Vascular Connectivity and Regeneration
Jordi Ribera, Bernat Jordoba Jover, Juan Rodriguez-Vita, Irene Portolés, Bernardino González-De-La-Presa, Wladimiro Jimenez Povedano and Manuel Morales-Ruiz

1336: Deregulation of Immune Response Pathways in Human Kupffer Cells from Patients with Cirrhosis May Impact in Phagocytic Capacity and Response to Inflammation
ELISA Pose, Mar Coll, Erica Muñoz, David Foster, Javier Pavia, Isabel Graupera, Luis Perea, Delia Blaya, Beatriz Aguilar, Julia Vallverdu, PauSancho-Bru and Pere Gines
1337: The Noninvasive Point of Care MBT Accurately Predicts Decompensation Events Better Than MELD in Compensated (MELD <15) Nash Cirrhosis
Naga Chalasani, Eric Lawitz, Manal Abdelmalek, Mary McCarthy Rinella, Stephen Harrison, Arun Sanyal, Mazen Noureddin, Don Rockey, Tahel Ilan Ber, Yaron Ilan, Guadalupe Garcia-Tsao and Peter Traber

1338: Hepatocyte Cell Death-Derived Extracellular Histones: A Novel Target of Therapy for Portal Hypertension in Patients with Acute Decompensation (AD) of Cirrhosis
Stewart Macdonald, Shreya Sharma, Takayuki Kondo, Nathan Davies, Rajeshwar Mookerjee, Krista Rombouts, Rajiv Jalan and Fausto Andreola

1339: The Polymorphic Variant of SerpinB3 (SCCA-PD) Is Associated with the Severity of Portal Hypertension and Complications Onset in Patients with Advanced Liver Disease
Andrea Martini, Filippo Marafatto, Cristian Turato, Erica Novo, Maurizio Parola, Alessandra Biasiolo, Santina Quarta, Mariagrazia Ruvoletto, Paolo Angeli and Patrizia Pontisso

1340: The Effect of Propranolol on Gastrointestinal Motility and Permeability in Patients with Cirrhosis and Portal Hypertension.
Elias Xirouchakis, Emilia Hadziyannis, Anastasia Kourikou, Charikleia Kranidioti, Christos Reppas, Maria Vertzoni, Melanie Deutsch, George Papatheodoridis and Spilios Manolakopoulos

1341: Vitamin D Treatment Attenuated Bacterial Translocation and Decreased Intestinal Permeability in Cirrhotic Rats
Yun-Cheng Hsieh, Kuei-Chuan Lee, Pei-Chang Lee, Han-Chieh Lin, Ming-Chih Hou and Yi-Hsiang Huang

Masatake Tanaka, Teruo Utsumi, Junji Saruwatari, Pengpeng Zhang, Manuel Morales-Ruiz, Yasuko Iwakiri and Jin-Kyu Park

1343: Cirrhosis and Alzheimer’s Disease Present with Distinct Neuro-Pathological Profiles
Runping Liu, Cristina Bosoi, Derrick Zhao, Isabelle St-Amour, Yunzhou Li, Yanxu Wang, Robert Lippman, Dae Kang, Andre Marette, Frederic Calon, Huiping Zhou and Jasmohan Bajaj

1344: Molecular Mechanisms Underlying the Beneficial Effects of Emricasan in Portal Hypertension and Chronic Liver Disease: Relevance of the Hepato-Sinusoidal Cross-Talk.
Jordi Gracia-Sancho, Nicolo Manicardi, Marti Ortega-Ribera, Anabel Fernandez-Iglesias, Zoe Boyer-Diaz, Patricia Contreras, Alfred Spada and Jaime Bosch

1345: Intrahepatic Thrombosis Is Increased in Alcoholic Cirrhosis with Portal Hypertension with Dysfunctional Platelets As a Possible Mediator
Matthew McConnell, Moon Young Kim, Hitoshi Maeda, Teruo Utsumi, John Hwa and Yasuko Iwakiri

1346: Simvastatin-Loaded Polymeric Micelles Are a New, Safe and Effectivedrug Delivery System Targeting Liver Sinusoidal Endothelial Cells
Diana Hide, Mar Gil, Diana Fernandes De So Rafael, Fernanda Da Silva Andrade, Simo Schwartz, Salvador Augustin, Joan Genesca and Maria Martelli

1347: Ultrasonographic (US) Two Dimensional (2D) Measurement of Spleen Is Superior to Traditional Length Measurement Alone in Diagnosing Cirrhosis
Felix Lui, Patrick Ma, Mohammad Helmy and Ke-Qin Hu

1348: Liver Maximum Capacity (LiMAx) - a Novel Test to Accurately Diagnose Different Stages of Liver Fibrosis
Matthias Buechter, Alisan Kahraman and Guido Gerken

1349: Regression of Fibrosis By Intravenous Administration of Adipose-Tissue Derived Mesenchymal Cells (MSC) Improves Hepatic Arterial Vascular Dysfunction and Reduces Angiogenesis
Anja Gluthmann, Sabine Pohl, Cristina Ripoll and Alexander Zippriich

1350: Hyperammonemia Induced Skeletal Muscles Mitochondrial Dysfunction Are Reversed By Ammonia Withdrawal
Avinash Kumar, Gangaroa Davuluri, Allawy Allawy, Khaled Alsabbagh Alchirazi, Julie Rennison, Sashi Kant, Mahesha Gangadhariah, David Wagoner, Charles Hoppel and Srinivasan Dasarathy

1351: Alpha-1-Glycoprotein May be a Novel Biomarker of Frailty in Cirrhosis: Results from an Unbiased Proteomics Search from the Functional Assessment in Liver Transplantation (FrAILT) Study
Laura Huppert, Marie Sinclair and Jennifer Lai

1352: Cirrhosis Increases the Odds for Ischemic Bowel Disease, and Results in Poorer Hospitalization Outcomes
Olalekan Akanbi and Adyeinka Adejumo
**Poster Sessions**

**Poster Session III**
Sunday, November 11

**POSTER VIEWING:** 8:00 AM – 5:30 PM
Hall C - Poster Hall

Presenters in Attendance
12:30 – 2:00 PM

★ Those posters with a star icon are identified as AASLD Presidential Posters of Distinction, which have received review scores that place them within the top 10 percent of all posters.
★ Those identified with a ribbon icon have been selected as an AASLD Foundation Abstract Award recipient.

We encourage you to make these posters a priority as you visit the poster sessions.

**Alcoholic Liver Disease: Clinical and Experimental**

★ 1353: Long Term Clinical Outcomes for Patients with Chronic Liver Disease: An Australian Cohort Study
Yi Huang, John Joseph, Bastiaan De Boer, Wendy Cheng, Leon Adams, Gerry MacQuillan, George Garas and Gary Jeffrey

★ 1354: Regular Use Versus Irregular Use of Propranolol Is Related with Increased Survival Among Patients with Decompensated Alcoholic Cirrhosis
Flemming Bendtsen and Ulrich Bang

★ 1355: Intestinal IL-22 Restoration By Engineered Bacteria Ameliorates Ethanol-Induced Liver Disease in Mice.
Tim Hendrikx, Yi Duan, Yanhan Wang, Jee-Hwan Oh, Laura Alexander, Wendy Huang, Jan-Peter Van Pijkeren and Bernd Schnabl

★ 1356: Interleukin-33/ST2 Pathway Regulates Neutrophil Migration Function and Predicts Outcomes in Severe Alcoholic Hepatitis
Florent Artru, Laurent Dubuquoy, Mohamed Bousaleh, Francois Maggiotto, Guillaume Lassailly, Doumet Helou, Sebastien Dharancy, Massih Ningarhari, Emilie Gantier, Axel Perianin, Sylvie Chollet-Martin, Philippe Mathurin and Alexandre Louvet

★ 1357: Non-Invasive Markers Are Superior to Histological Fibrosis Stage for Predicting Liver-Related Outcomes in Alcoholic Liver Disease
Ditlev Rasmussen, Maja Thiele, Bjørn Madsen, Linda Möller, Steen Antonsen, Sönke Detlevsen and Aleksander Krag

★ 1358: Therapeutic Effect of Targeted PDE4 Inhibition on Liver Injury and Fibrosis in a Mouse Model of Alcoholic Steatohepatitis (ASH)
Walter Rodriguez-Alvarez, Yali Wang, Samuel French, Hidekazu Tsukamoto, Philip Bauer, Jingwen Zhang, Craig McClain, Shrishar Barve, Claudio Maldonado and Leila Gobejishvili

★ 1359: Gene Expression Profiling of PBMCs in Alcoholic and Non-Alcoholic Liver Diseases
Trina Norden-Krichmar, Stanislav Listopad, Noora Siddiqui, Christophe Magnan, Zhang-Xu Liu, Jon Jacobs and Timothy Morgan

**1360:** Type and Pattern of Alcohol Consumption in Adolescent Men and Risk of Severe Liver Disease Later in Life: A National, Population-Based Cohort Study
Hannes Hagström, Andrea Discacciati, Tomas Hemmingsson and Anna Andreasson

★ 1361: Distinct Microbial Ecologic Shifts Are Associated with Altered Microbial Functions in Severe Alcoholic Hepatitis

★ 1362: A Prospective Cohort Study Examining the Interaction of Alcohol Consumption and Obesity on the Development of Fatty Liver Disease and Cardiovascular and All-Cause Mortalities
Thoecthai Peeraphatdit, Daeehe ChoI, Alina Allen, Douglas Simonetto, Patrick Kamath and Vijay Shah

1363: Characteristics and Outcomes of Patients with Mild-Moderate Alcoholic Hepatitis: Results from the TREAT Consortium
Niharika Samala, Samer Gawrtech, Suthat Liangpunsakul, Vijay Shah, Patrick Kamath, Spencer Lorenus, Arun Sanyal, Svetlana Radaeva, David Crabb and Naga Chalasani

1364: Activation of Peroxisome Proliferator-Activated Receptor Alpha Reverses Alcoholic Liver Disease in Mice Via Alleviating Multiple Defects at the Gut-Liver Axis: Role of Catalase Induction
Wei Zhong, Wenliang Zhang, Liuyi Hao, Wei Guo, Xinguo Sun and Zhanxiang Zhou

1365: Novel NOTCH-Binding Protein Directs Self-Renewal of Tumor-Initiating Stem-like Cells and HCC Development through Cell Fate Reprogramming

1366: Abstinence in Critically Ill Alcoholic Cirrhotic Patients Admitted to the Intensive Care Unit Is Associated with Improved Outcomes
Daeehe ChoI, Thoecthai Peeraphatdit, Laura Piccolo Serafin, Alice GalloDeMoraes, Ognjen Gajic, Patrick Kamath, Vijay Shah and Douglas Simonetto

Hsiao-Yen Ma, Jun Xu, Gen Yamamoto, David Crabb and Tatsuya Kisseleva

1368: Aldose Reductase Is Involved in the Pathogenesis of Alcohol-Associated Liver Disease in Mice and Patients
Min Wang, Wei-Yang Chen, Leila Gobejishvili, Shrishar Barve, Craig McClain and Swati Joshi-Barve

1369: Alcohol-Induced Changes in PRMT1 Phosphorylation and Ubiquitination Alter Its Ability to Regulate Hepatocyte Proliferation and Survival.
Abby Adams, Jie Zhao, Steven Weinman and Irina Tikhomirov
1370: WITHDRAWN

1371: Survival and Recidivism in Patients Undergoing Early Liver Transplant for Acute Alcoholic Hepatitis: A Single Center Analysis
Jane Thomas, Keri Lunsford, David Victor, Lisette Theriot, John Ontiveros, Duc Nguyen, Edward Graviss, Ashish Saharia, Constance Moble, Mark Hobeika, Julie Corkrean, Julius Balogh, Joseph Galati, Victor Anokma-Sey, Chukwuma Egwim, Andrea Duchini, Xian Li, Robert McFadden, Howard Monsur, A. Gaber and R. Ghobrial

1372: High Levels of Lipoprotein X and Z Distinguish Alcoholic Hepatitis from Other Forms of Liver Diseases
Z. Jiang, Meritxell Ventura-Cots, Irina Shalaurova, Maria Camila Perez-Matos, Stephanie Tran, Juan Abraldes, Michael Lucey, Margery Connelly, Michelle Lai, James Otvos and Ramon Bataller

1373: Characterizing the Phenotypes and Transcriptomic Profiles of Peripheral Blood Monocytes in Severe Alcoholic Hepatitis
Zhang-Xu Liu, Trina Norden-Krichmar, Jon Jacobs, Andrew Stolz, Neil Kaplowitz and Timothy Morgan

1374: Interleukin-22 Reduces Alcohol-Induced Hepatocyte Injury and Extracellular Vesicle Release By Epigenetically Activating X-Linked Inhibitor of Apoptosis Protein
Tejasav Sehrwatt, Vikas Verma, Juan Arab, Rosa Martin-Mateos, Meng Yin, Harmeet Malhi, Patrick Kamath, Gregory Gores and Vijay Shah

1375: The Impact of Previous Acute Decompensation on Long-Term Prognosis According to the Severity of Alcoholic Hepatitis in Cirrhotic Patients
Eileen Yoon, Tae Yeob Kim, Do Seon Song, Jinmo Yang, Hee Yeon Kim, Chang Wook Kim, Young Kul Jung, Hyung Joon Yim, Soung Won Jeong, Sang Gyune Kim, Jae Young Jang, Moon Young Kim, Dong Hyun Sinn, Ki Tae Suk and Dong Joon Kim

1376: Plasma Proteomics Reveals a Unique Signature of Alcoholic Hepatitis and Identifies Biomarkers of Response to Prednisolone
Jon Jacobs, Marina Gritsenko, Komal Kedia, Zhang-Xu Liu, Trina Norden-Krichmar, Ramon Bataller and Timothy Morgan

Paris Charilaou, Kalpit Devani, Chakradhar Reddy and Nikolaos Pyropoulos

1378: New Concepts in Liver Regeneration Mechanisms in Human Severe Alcoholic Steatohepatitis
Adrienne Lejeune, Peter Stärkel, Alexandre Louvet, Axel Httelet, Céline Bazille, Boris Bastens, Hans Orient, Luc Lasser, Xavier Dekoninck, Sergio Negrín Dastis, Jean Delwaide, Anja Geerts, Chantal De Galocsy, Virginie Putzeys, Philippe Langlet, Hendrik Reynaert, Sven Francque, Mina Komuta and Nicolas Lanthier

1379: Hepatic xCT Promotes Endocannabinoid Production in Alcoholic Fatty Liver through Glutamate-Mediated mGlur5 Activation in Stellate Cells
Won-Mook Choi, Resat Cinar, Myung-Ho Kim, Bin Gao, Won Kim, George Kunos and Won-II Jeong

1380: Intestine-Specific SirT1 Deficiency Protects Mice from Ethanol Induced Liver Damage By Ameliorating Lipocalin 2-Iron Homeostasis Signaling
Ting Jie Ye, Gregory Bonavita, Zhou Zhou, Michael Daniels and Min You

1381: Serum Metabolic Profiling Identified Striking Elevation of Taurine Conjugated Bile Acids in Patients with Alcoholic Liver Disease
Zhihong Yang, Praveen Kusumanchi, Ruth Ann Ross, Laura Heathers, Kristina Chandler, Adepeju Oshodi, Li Wang and Suthat Lianponsakul

1382: Alteration of Small Intestinal Microbiota Induced By Chronic Ethanol Intake Causes Liver Injury after Binge Administration in Mouse Model
Ryuuta Kitagawa, Kazuyoshi Kon, Akira Uchiyama, Tomonori Aoyama, Kumiko Ara, Shunhei Yamashina and Kenichi Ikemina

1383: Mean Arterial Pressure at Admission Predicts Mortality in Patients with Alcoholic Hepatitis Independently of Meld
Meritxell Ventura-Cots, Carlos Fernandez-Carrillo, Josep Maria Argemi, Juan Abraldes, Francisco Bosques, Robert Brown, Guadalupe Garcia-Tsao, Joan Genesca, Samuel Ho, Philippe Mathurin, Alexandre Louvet, Michael Lucey, Debbie Shawcross, Victor Vargas, Elizabeth Verna and Ramon Bataller

1384: Usefulness of Lactate-Free Asian Pacific Association for the Study of Liver Acute-on-Chronic Liver Failure (ACLF) Research Consortium (AARC)-Aclf Score for Predicting Short-Term Mortality in Patients with Alcoholic Liver Disease

1385: Biochemical Remission As a Surrogate Outcome of Survival in Alcohol-Related Liver Disease
Laurence Hopkins, Matthew Armstrong, Ian Rowe and Richard Parker

1386: ADAMTS7: A New Regulator for Obesity-Associated Insulin Resistance, Nonalcoholic Steatohepatitis and Alcoholic Liver Fibrosis
Adam Bria and Liya Pi

Denotes AASLD Presidential Poster of Distinction
Denotes AASLD Foundation Abstract Award Recipient
Poster Sessions

1387: Reduced NAD⁺ Content in Human Alcoholic Liver Disease Is Associated with Disease Activity
Richard Parker, Mark Schmidt, Owen Cain, Bridget Gunson and Charles Brenner

1388: Hepatocyte-Specific Deletion of CD73 Disrupts Stress Kinase Signaling and Promotes Spontaneous and Alcohol-Induced Liver Injury in Male Mice
Karel Alcedo, Monea Richardson, Helen Willcockson, Kevin Greene, Veronica Massey, Ramon Bataller and Natasha Snider

1389: Increased Polyubiquitination of Lipid Droplet Membrane Proteins Contribute to Impaired Lipid Metabolism and the Development of Alcohol-Induced Fatty Liver
Michael Strupp, Sarah Sweeney, Jacy Kubik, Terrence Donohue, Mark McNiven, Carol Casey and Paul Thomas

1390: A Novel Metabolite, N,N-Dimethylglycine N-Oxide (DMGO) Inhibits Betaine Utilization: Its Possible Role in ALD Pathogenesis.
Mitchell Matis, Paul Thomas, Zeneng Wang, J. Mark Brown, Martin Hulce, Natalia Osna, Michael Lever and Kusum Kharbanda

1391: Critical Involvement of Cramp in the Regulation of Gut Microbiota and Inflammammeosome Activation in Alcohol-Induced Liver Damage in Mice
Fengyuan Li, Craig McClain and Wenke Feng

1392: Chronic Alcohol Feeding Increases Mitochondrial Respiration in Frg Mice with Humanized Liver.
Naroa Insauti, Estel Solsona-Vilarrasa, Raquel Fucho, Sandra Torres, Cristina Alarcon-Vila, Susana Nuñez, Carmen García-Ruiz and Jose Fernandez-Checa

1393: Liver Stem Cell-Derived Extracellular Vesicles Reduce Fibrosis, Inflammation and Proliferation in Ethanol-Fed Mice.
Kelly McDaniel, Tianhao Zhou, Nan Wu, Juliet Venter, Shannon Glaser, Fanxin Meng and Gianfranco Alpini

1394: The Spectrum and Evolution of Severe Alcoholic Hepatitis in Large Perspectiveive Cohort across Asia.

1395: The Effectiveness of Nanoformulated Copper/ Zinc Superoxide Dismutase in Attenuating Liver Injury Induced By a Combination of High Fat Diet and Ethanol
Saraswathi Viswanathan, Gopalakrishnan Natarajan, Curtis Perriott-Johnson, Carol Casey, Terrence Donohue, Cyrus Desouza and Alexander Kabanov

1396: Non-Alcoholic Fatty Liver Disease (NAFLD) and Alcoholic Fatty Liver Disease (AFLD): The Impact of Alcohol Consumption and Metabolic Syndrome on Mortality

1397: Autophagy Regulation of Ethanol-Induced Liver Injury is Affected By Multiple Factors
Shengmin Yan, Xiaoyun Chen and Xiao-Ming Yin

1398: AlcoChange: A Pilot Study of a Smartphone Tool to Reduce Alcohol Consumption in Alcohol-Related Liver Disease
Aida Nadar, Mohammed Sheikh, Stewart Macdonald, Audrey Esson, Marites Aban, Cristina Agapuyan, Rajiv Jalan, Kevin Moore and Gautam Mehta

1399: Sphingosine Kinase 2 Deficiency Promotes Alcohol-Induced Liver Injury and Fibrosis
Eric Kwong, Runping Liu, Xiaojiaoyiang Li,errick Zhao, Yanyan Wang, Weiwei Zhu, Xuan Wang, Emily Gurlay, Phillip Hulemon and Huiping Zhou

1400: Women with Alcoholic Liver Disease Are Less Likely to be Listed for Liver Transplantation.
Alisa Likhtitsup, Lisa McElroy, Jessica Mellerig, Naba Saeed, Ammar Hassan, Gerald Winder, Christopher Sonnenday and Robert Fontana

1401: Alcoholic Liver Disease Has Rapidly Emerged As the Leading Indication for Liver Transplant Evaluation
Alisa Likhtitsup, Jessica Mellerig, Lisa McElroy, Naba Saeed, Ammar Hassan, Gerald Winder, Christopher Sonnenday and Robert Fontana

1402: Ethanol Metabolism Increases Permissiveness of Hepocytes for HIV-Infection.
Murali Ganeshan, Raghubendra Singh Dagur, Edward Makarov, Kusum Kharbanda, Srivatsan Kidambi, Lariisa Poluektova and Natalia Osna

1403: Significant Increases in Alcoholic Liver Disease Related Hospitalizations in the United States By Sex, Race/Ethnicity, and Age: An Analysis of the 2008-2014 Nationwide Inpatient Sample
Farah Shirazi, Benny Liu, Ashwani Singal, Taft Bhuket and Robert Wong

1404: Dynamic Changes in Immune Reserves in Different Stages of Liver Cirrhosis and in Sepsis
Sukriti Sukriti, Jaswinder Maras, Ashok Choudhury, Chhagan Bihari, Sukanta Das, Gureesh Kumar, Nirkumpa Trehanpati and Shiv Kumar Sarin
**Poster Sessions**

**1405: Alcohol-Related Liver Disease Progression Based on Liver Biopsies in Heavy Drinkers: Markov Model Predictions**  
Claire Delacote, Alexandre Louvet, Flavien Dautrecque, Pierre Bauvin, Line Ntandja Wandji, Guillaume Lassailly, Gabriel Perlemuter, Sylvie Naveau, Philippe Mathurin and Sylvie Deuffic-Burban

**1406: Computed Tomography As a Prognostic Tool in Alcohol Hepatitis**  
Patricia Pringle, Amirkasra Mojtahed, Emily Bethea, Sally Ingham, Stephanie Rutledge, Jin Choi, Raymond Chung and Chin Hur

**1407: The Prognostic Stratification Using Acute-on-Chronic Liver Failure Scoring System for Predicting Short-Term Mortality in Patients with Alcoholic Hepatitis**  

**1408: Bariatric Surgery Is Associated with Increased Risk of Alcohol Hepatitis: Analysis from National Inpatient Database**  
Sushil Kumar Garg, Shashank Sarvepalli, Fateh Bazerbachi, Dupinder Singh, tiegbemie Obaitan, Sumeeet Asrani and Michael Leise

**1409: Alcohol Inhibits T-Cell Glucose Metabolism and Hepatitis in ALDH2-Deficient Mice and Humans: Roles of Acetaldehyde and Glucocorticoids**  
Yanhang Gao, Zhou Zhou, Tianyi Ren, Seung-Jin Kim, Wonhyo Seo, Adrien Guillot, Yanhua Ding, Ruohong Wu, Shuang Shao, Xiaomei Wang, Hong Zhang, Yong He, Wei Wang, Dechun Feng, Mingjiang Xu, Elaine Han, Wei Zhong, Zhanxiang Zhou, Junqi Niu and Bin Gao

**1410: Ethanol Aggravates Ammonia Induced Molecular Perturbations during Sarcopenia in Cirrhosis**  
Sashi Kant, Gangarao Davuluri, Khaled Alsabbagh Alchirazi, Claire Heit, Avinash Kumar, Maheshia Gangadharthi, Megan McMullen, Laura Nagy, Vasili Vasiliiou, Anna Marini, Irving Weiner and Srinivasan Dasarathy

**1411: Mitochondrial Depolarization after Acute Ethanol Treatment Drives Type 2 Mitophagy in Living Mice**  
Zhi Zhong, Li Li, Sandra Klett, Kenji Takemoto, Yasodha Krishnasamy, Monika Gooz and John Lemasters

**1412: Biologically Proven Alcohol Consumption upon Liver Transplantation for Alcoholic Liver Disease Does Not Impair Long-Term Survival: One for the Road?**  
José Ursic-Bedoya, Jérôme Dumortier, Romain Altwegg, Claire Vanlennens, Sebastien Dharrance, Faiza Chermak, Camille Besch, Claire Francoz, Michael Bismuth, Lucy Meunier, Stéphanie Faure, Astrid Herrero, Héléne Donnadieu-Rigole and Georges Pageaux

**1413: Disruption of Mitochondrial Dynamics Accelerates Alcohol-Induced Liver Injury By Impaired Mitophagy**  
Xiaowen Ma, Xiaojuan Chao, Shaoqiu Wang, Hong-Min Ni and Wen-Xing Ding

**1414: Early Alcohol Rehabilitation May Prevent Readmission, Alcohol Relapse and Death after Alcoholic Hepatitis Admission**  

**1415: Prevalence of Metabolic Risk Factors and Its Impact on the Severity and Outcome of Patients with Alcohol Related Acute-on-Chronic Liver Failure - a Case Control Study from the Apasl Aclf Research Consortium Data Base**  

**1416: Exosomes Isolated from Healthy Donors Possess Therapeutic Potential in Human Hepatocytes with Alcohol-Induced DNA Damage Related to ATM Pathways**  
Yogeshwar Sharma, Tatyana Tchaikovskaya and Sanjeev Gupta

**1417: WITHDRAWN**

**1418: The Antibacterial Resistance of Both Hepatic Macrophages in Mice with Alcohol Abstinence.**  
Norio Okamoto, Akira Asai, Masahiro Matsui, Hidetaka Yaukou, Tomohiro Nishikawa, Keisuke Yokohama, Ken Nakamura, Hideko Ohama, Yusuke Tsuchimoto, Shinya Fukunishi, Yasuhiro Tsuda and Kazuhide Higuchi

**1419: Comparing Different Scoring Models of Predicting the Short-Term Mortality for Alcohol-Related Acute-on-Chronic Liver Failure**  
Rong Xi, Tao Han, Jia Lv and Jun Cai

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* Denotes AASLD Presidential Poster of Distinction  
Denotes AASLD Foundation Abstract Award Recipient
Poster Sessions

1420: Decline in Hospitalization Trend for Alcohol Hepatitis in Veneto Region (Northeast Italy): An Observational Study
Diego Caroli, Erik Rosa-Rizzotto, Mario Saia, Laura Scribano, Laura Peraro, Serena Vicario, Franca De Lazzari and Salvatore Lobello

1421: Golgi Disorganization in Alcoholic Liver Disease: Critical Role of Rab3D Gtpase
Carol Casey, Sonia Manca, Paul Thomes, Karuna Rasineni and Armen Petrosyan

1422: Equivalent Survival and Relapse after Liver Transplantation for Alcohol-Associated Hepatitis and Cirrhosis with and without Hepatocellular Carcinoma
Johann Hasbun, Alexander Vogel, Leona Kim Schluger, Thomas Schiano, Sander Florman and Gene Im

1423: Does Regulating the Sale of High Strength Beer and Cider Impact Hospital Admissions with Alcohol Related Liver Disease?: A Retrospective Cohort Study.
Yazan Haddadin, Dev Katarey, Manavi Sachdeva, Laura Vickers, Ishleen Kaur, Ahmed Hashim and Sumita Verma

1424: Imbalance of Epoxide and Dial Lipid Mediators in Alcoholic Liver Disease: Effects of Soluble Epoxide Hydrolase Inhibition in Experimental Mice
Jeffrey Warner, Shubha Ghosh Dastidar, Dennis Warner, Ying Song, Craig McClain and Irina Kirpich

1425: Incidence, Admission Rates, Economic Burden and Predictors of Adult Emergency Visits for Alcoholic Hepatitis, Data from the National Emergency Department Sample, 2006 to 2014
Dupinder Singh, Sushil Kumar Garg, Shashank Sarvepalli, Itegbemie Obaitan and Michael Leise

1426: Predictors of Alcohol Relapse after Transplant for Alcoholic Liver Disease
Juan Arab, Terry Schneekloth, Shehzad Niazi and Douglas Simonetto

1427: Clinical Presentation, Transplant Outcome and Psychosocial Characteristics of Bariatric Surgery Patients Undergoing Liver Transplantation for Alcoholic Liver Disease. Comparison with Contemporaneous Controls.
Maria Lagarde Mussa, Simona Rossi, Ryan Healy, Danielle Daguanno and Donna McGill

1428: A Novel Ethanol-Induced Acute-on-Chronic Liver Injury Model in Cholestatic Alcohol-Susceptible C57Bl/6.Mdr-/- Mice
Kahini Vaid, Shuangshuang Zhao, Guangyan Wei, Yi Lin and Yury Popov

1429: High Rates of Thirty-Day Readmissions in the United States for Alcoholic Hepatitis
Sushil Kumar Garg, Shashank Sarvepalli, Dupinder Singh, Itegbemie Obaitan, Thoetchai Peeraphatdit, Loretta Jophlin, Sumeet Asrani, Vijay Shah and Michael Leise

1430: Hyaluronan 35 Protects Against Alcohol-Induced Tissue Injury and Dysregulated Skeletal Muscle Proteostasis
Gangarao Davuluri, Avinash Kumar, Khaled Alsabbagh Alchirazi, Megan McMullen, Sashi Kant, Mahesha Gangadhariah, Carol De La Motte, Laura Nagy and Srinivasan Dasarathy

1431: Granulocytic Myeloid-Derived Suppressor Cell Population Increases with the Severity of Alcoholic Liver Disease
Ang Huang, Miaomiao Gao, Zijian Sun, Ying Sun, Binxia Chang, Jiuyan Zhang and Zheng-Sheng Zou

1432: Systematic Review: Prevalence and Natural History of Alcohol Related Liver Disease
Richard Parker, Steven Masson and Ian Rowe

1432A: Repeat Liver Biopsy Findings in Patients with Recurrent Episodes of Severe Alcohol-Related Liver Injury
Jay Guan, Nitzan Roth, Gary Kanel and John Donovan

Bile Transport and Lipids

1433: Targeting Organic Solute Transporter Alpha-Beta to Attenuate Liver Damage Induced By Bile Duct Ligation
Sandra Van De Wiel and Stan Van De Graaf

1434: Hdca Species Decreased Largely in Hepatic Bile Acid Compositions of NAFLD Animal Model with Hypertension
Masanobu Kodama, Susumu Tazuma and Keishi Kanno

1435: Quantitative Assessment of Organic Anion Transporters in Normal and Cirrhotic Human Liver
Tatsuya Taniguchi, Alana Zanetti Yabur, Pijun Wang and Allan Wolkoff

1436: Human Chorionic-Plate-Derived Mesenchymal Stem Cells Restore Hepatic Lipid Metabolism in a Rat Model of Bile Duct Ligation
Yun Bin Lee and Jung-Hwan Yoon

1437: Inactivation of the Intestinal Apical Sodium Bile Acid Transporter Profoundly Inhibits Cholesterol Absorption.
Ivo Van De Peppel, Anna Bertolini, Theo Van Dijk, A.(Bert) Groen, Johan Jonker and Henkjan Verkade

1438: FGF19 and Regulation of Bile Acid Synthesis in Primary Human Hepatocytes
Helene Johansson, Jonas Nerskov Søndergaard, Claudia Kutter and Ewa Ellis

1439: Hepatoprotective Impact of TGR5: Central Role of Gallbladder Function and Bile Acid Pool Modulation.
Valeska Bidalut-Jourdainne, Mathilde Glénisson, Grégory Merlen, Isabelle Doignon, Noémie Péan, Raphael Boisgard, Christoph Ullmer, Lydie Humbert, Dominique Ranteau and Thierry Tordjmann
Poster Sessions

1440: WITHDRAWN

1441: Tauroursodeoxycholate Unique Efficacy in the Management of Cholestatic Syndromes:Lessons from Vapor Pressure Osmometry Norman Javitt

1442: Development of a 3D HuH-7 Cell-Based System As a Model to Study Drug-Induced Cholestasis Christian Hiller, Michele Visentin, Zhibo Gai, Sophia Samodelov, Stephanie Hauser, Bruno Stieger and Gerd Kullak-Ublick

1443: Mir-206 Modulates the Hepatic Expression of the Organic Anion Transporting Polypeptide 1B1 (OATP1B1, SLCO1B1). Michele Visentin, Michele Visentin, Zhibo Gai, Belle Van Rosmalen, Thomas Van Gulik, Bruno Stieger and Gerd Kullak-Ublick

1444: Autotaxin As a Biomarker for Accumulating Cholephilic Compounds in Cholestatic itch Jacqueline Langedijk, Dagmar Tolenaars, Amber Meurs, Rudi De Waard, Ulrich Beuers and Ronald Oude Elferink

1445: Farnesoid X Receptor (FXR) Agonist Obeticholic Acid (OCA) Restores Liver Regeneration after Partial Hepatectomy in Bile Acid Deprived Rats but Does Not Overdrive Natural FXR Activation in the Physiologic Process of Liver Regeneration. Carola Dahrenmoller, Frank Schaap, Steven Olde Damink, Kim Van Mierlo, Peter Jansen, Yves Horsmans and Isabelle Leclercq

Cholangiocyte Biology

★1446: Cholangiocyte TGF-β Signaling Drives Protaosomal Degradation of the Epigenetic Repressor EZH2 Which Promotes Transcription of Stellate Cell Activation Genes Nidhi Jalan-Sakrikar, Thiago Milech De Assuncao, Guang Shi, Vijay Shah and Robert Huebert

1447: Role of the Novel IgG4-Associated Cholangitis Autoantigen Annexin A11 in Cholangiocyte Protection Toni Herta, Jung-Chin Chang, Lowiek Hubers, Ronald Oude Elferink, Stan Van Graaf and Ulrich Beuers

1448: Downregulation of Hepatic Stem Cell Factor By Vivo-Morpholino Treatment Inhibits Mast Cell Migration and Decreases Biliary Damage and Liver Fibrosis in Mdr2-/mice Laura Harroove, Jennifer Demieville, Lindsey Kennedy, Vik Meadows, Steven Smith and Heather Francis

★1449: HH Signaling Regulates Extrahepatic Bile Duct Epithelial Cell Proliferation after Injury Junya Shiota, Nureen Hanisah Mohamad Zaki, Juanita Merchant, Linda Samuelson and Nataliya Razumilava

1450: Death Receptor Deficiency Augments Ductular Reaction and Hepatic Fibrosis in the Mdr2-/ Mouse Model of Sclerosing Cholangitis Anuradha Krishnan, Tomohiro Katsumi, Maria Eugenia Guicciardi, Steven Bronk, Adiba Azad and Gregory Gores

1451: Pinealectomy or Prolonged Light Exposure Exacerbates Biliary Proliferation and Senescence and Liver Fibrosis in Bile Duct Ligated (BDL) Rats Via Decreased Biliary Melatonin Synthesis. Lixian Chen, April O’Brien, Fan Yin Meng, Nan Wu, Tori White, Juliet Venter, Heather Francis, Tianhao Zhou, Konstantina Kyrtis, Eugenio Gaudio, Chaodong Wu, Paolo Onori, Antonio Franchitto, Gianfranco Alpini and Shannon Glaser

1452: An Important Role for WNT Signaling in Cholangiocyte Regeneration in Extrahepatic Bile Ducts Nataliya Razumilava, Junya Shiota, Nureen Hanisah Mohamad Zaki, Juanita Merchant and Linda Samuelson

1453: Glucagon like Peptide (GLP)-2 Treatment Improves Liver and Bile Duct Injury in the Mdr2/-Mouse Model of Sclerosing Cholangitis Moritz Menz, Lorenz Hinterleitner, Philipp Königshofer, Emina Halilbasic, Victoria Kunczer, Tatjana Stojakovic, Thomas Reiberger, Claudia Fuchs and Michael Trauner

1454: The Chemosensory Function of Primary Cilia Regulates Cholangiocyte Migration and Invasion Adrian Mansini, Estanislao Peixoto, Sujeong Jin and Sergio Gradilone

1455: Human Mesenchymal Stem Cells Enhance Autophagy of Biliary Epithelial Cells in Mouse Model of Primary Biliary Cholangitis Yun Zhu, Xiaojun Tang, Genhong Yao and Lingyun Sun

1456: Cholangiocyte Organoids Isolated from Mice Maintain Immunological Functions in Long Term Culture Anna Katharina Frank, Jiang Jang, Tom Karlsten, Frank Tacke, Fotios Sampaziotis and Espen Melum

Clinical and Translational Hepatobiliary Cancer II

1457: Increased Overall Survival in a Recent Single-Center Cohort of Patients Treated with Yttrium-90 Resin Microspheres for Unresectable HCC Rucha Shah, Sarah Sheikh, Jimmy Shah, Alejandro Mejia, Islam Shahin and Parvez Mantry

1458: Safety and Validity Evaluation for Nature Killer Cell Therapy for Recurrent Hepatocellular Carcinoma after Orthotopic Liver Transplantation Guoying Wang, Qi Zhang, Yang Yang and Guihua Chen

1459: Comparison of Imaging Quality and Guideline Compliance of CT and MRI Scans for Diagnosis of Hepatocellular Carcinoma from Community Hospitals and Their Tertiary Referral Center. Korosh Khalili, Andrew Chan, Madeline Sertic, Jennifer Sammon, Tae Kyoung Kim, Hyun-Jung Jang, Luis Guimaraes, Martin O’Malley and Mostafa Atri

★ Denotes AASLD Presidential Poster of Distinction 204A ★ Denotes AASLD Foundation Abstract Award Recipient
1460: Identification of Von Willebrand Factor-to-ADAMTS13 Ratio As a Potential Biomarker for Early Detection of Hepatocellular Carcinoma in Patients with Liver Cirrhosis
Hiroaki Takaya, Tadashi Namisaki, Kosuke Kaji, Mitsuteru Kitade, Yuki Tsuji, Yukihisa Fujinaga, Masanori Furukawa, Keisuke Nakanishi, Kenichiro Seki, Shinya Sato, Yasuhiro Sawada, Soichiro Saikawa, Naolaka Shimozato, Hitode Kawaratan, Kiyoshi Asada, Kei Moriya, Takemi Akahane and Hitoshi Yoshiji

1461: Hepatocellular Carcinoma Screening Rates in Patients Cured of Hepatitis C with Direct Acting Antiviral Drugs Are Lower Than Recommended and Correlate with Indicators of More Advanced Liver Disease
Brooke Wyatt, Sara Lewis, Suresh Misra, Lina Jandorf, Ponni Perumalswami and Andrea Branch

1462: The Prognostic Value of the Neutrophil-to-Lymphocyte Ratio in Hepatocellular Carcinoma Patients Undergoing Curative Resection
Kilment Bozhilov, Linda Wong, Brenda Hernandez, Sandy Kwee, Owen Chan, L Ellis and Loic Le Marchand

1463: Surveillance for Hepatocellular Carcinoma (HCC) in Patients with a History of Fontan Repair of Congenital Heart Disease: A Single Center Experience
Maarouf Hotiet, Katherine Awh, Marina Serper, Vandana Khungar and Yuli Kim

1464: Up-Regulation of Serum Ceramide (d18:1/8:0)-1-P Potentially Contributes to Identify AFP-Negative Hepatocellular Carcinoma from Cirrhosis
Yingying Jiang, Sujun Zheng, Jin Zhang, Yang Wang, Cai Tie, Dan Bian, Ting Wang, Mei Liu, Yu Chen, Zhongping Duan, Yan Ren and Shuang Liu

1465: Hepatocellular Carcinoma (HCC) Following Treatment-Induced HCV Clearance in a VA Cohort
James Ryan, Erene Niemi, Hui Shen, Lewis Lanier and Alexander Monto

1466: Hepatocellular Carcinoma Risk Assessment Model in Chronic Hepatitis B Patients Receiving Potent Antiviral Agents
Jung Hwan Yu, Jongbeom Shin, Young-Joo Jin and Jin-Woo Lee

1467: Clinical Outcomes of Sorafenib Treatment Failure for Advanced Hepatocellular Carcinoma and Candidates for Regorafenib Treatment in Real-World Practice
Shinsuke Uchikawa, Tomokazu Kawaoka, Hiroshi Aikata, Kenichiro Kodama, Akira Hiramatsu, Michio Imamura and Kazuaki Chayama

1468: A Comparative Study between Platelet-Albumin-Bilirubin (PALBI) and Albumin-Bilirubin (ALBI) Grade in Predicting Overall Survival for Hepatocellular Carcinoma in Korea
Myeong Jun Song and Soon Kyu Lee

1469: Treatment Strategy Based on Sorafenib for Advanced Hepatocellular Carcinoma Premising Subsequent Treatment with Regorafenib
Takayuki Tokunaga, Motohiko Tanaka, Kentaro Tanaka, Satoshi Narahara, Yoko Yoshimaru, Katsuya Nagaoka, Takeshi Kawasaki, Hiroko Setoyama, Takehisa Watanabe, Masakuni Tateyama and Yutaka Sasaki

1470: Initial Response Predicts Survival Outcomes in Patients Treated with TACE for Recurrent HCC after Curative Resection
Jae Seung Lee, Seung Up Kim, MiYoung Jeon, Tae Seop Lim, Beom Kyung Kim, Jun Yong Park, Do Young Kim, Sang Hoon Ahn and Kwang-Hyub Han

1471: Reason of Discontinuation after Transarterial Chemoembolization Influences Survival in Patients with Hepatocellular Carcinoma
Tim Labeur, Bart Takkenberg, Heinz-Josef Klümper and Otto Van Delden

Satoshi Narahara, Takehisa Watanabe, Katsuya Nagaoka, Nahoko Fujimoto, Kentaro Tanaka, Takayuki Tokunaga, Takeshi Kawasaki, Youko Yoshimaru, Hiroko Setoyama, Masakuni Tateyama, Hideaki Naoe, Motohiko Tanaka and Yutaka Sasaki

1473: Surgical Resection Versus Radiofrequency Ablation in Single Small Hepatocellular Carcinoma: Data from Korea Central Cancer Registry for Hepatocellular Carcinoma Database
Han Ah Lee, Yoo Ra Lee, Taehyung Kim, Yim Sun Young, Young-Sun Lee, Sang Jun Suh, Young Kui Jung, Ji Hoon Kim, Yeon Seok Seo, Dong-Sik Kim, Hyung Joon Yim, Jong Eun Yeon, Kwan Soo Byun and Soon Ho Um

1474: Natural History of Liver Adenomatosis: A Long-Term Observational Study
Louise Barbier, Jean-Charles Nault, Fanny Ducarvin, Béatrice Scotto, Anne De Muret, Pascal Bourlier, Jessica Zucman-Rossi, Ephrem Salamé and Yannick Bacq

1475: Hepatitis C-Infected African Americans with Newly Diagnosed Hepatocellular Carcinoma Have Better Liver Function and Less Liver Damage Than Patients of Other Races
Julie Sung, Adam Winters, Deeva Berera, Brooke Wyatt, Thomas Schiano, Myron Schwartz, Ponni Perumalswami and Andrea Branch

1476: Higher Wisteria Floribunda Agglutinin-Positive Mac-2 Binding Protein (M2BPGI) Not M2BP and Pre-Sarcopenia Are Prognostic and Recurrence Markers of Primary Hepatocellular Carcinoma Treated By RFA in HCV-Negative and HCV-Eradicated Patients.
Masato Nakai, Goki Suda, Koji Ogawa, Kazuharu Suzuki, Akihisa Nakamura, Masatsugu Ohara, Naoki Kawagishi, Machiko Umemura, Takuya Sho, Kenichi Morikawa and Naoya Sakamoto
### Poster Sessions

**1477: A Prognostic Impact of an Activator of Tumor-Associated Macrophages, Interleukin-34, in Patients with Non-Viral Hepatocellular Carcinoma: A Data-Mining Analysis**

Yu Noda, Takumi Kawaguchi, Masaaki Korenaga, Sachiyo Yoshio, Sho Komukai, Masahito Nakano, Takashi Nizeki, Hironori Koga, Atsushi Kawaguchi, Tatsuya Kanto and Takuji Torimura

**1478: A Phase 1 Study Using Autologous Natural Killer Cells in Patients with Haic-Hepatocellular Carcinoma**

Yangseok Koh, Sung Bum Cho, Woo Kyun Bae, Yang Jun Kang, Je Jung Lee and Yun Young Jang

**1479: Effective Therapeutic Options in Elderly Patients with Hepatocellular Carcinoma**

Jongbeom Shin, Young-Joo Jin, Jung Hwan Yu and Jin-Woo Lee

**1480: Entecavir and Tenofovir Have Comparable Effect on the Risk for Hepatocellular Carcinoma in Chronic Hepatitis B: Propensity Score Matching Analysis**

Ingyoon Ha, Eun Sun Jang, Soo-Hyang Jeong and Jin-Wook Kim

**1481: Predictive Value of Tumor Response and Prognostic Value of Pivka-II in a French Cohort of Patients with Hepatocellular Carcinoma**

Audrey Pavancé, Marco Dioguardi Burgio, Katell Peoch, Julie Devictor, Helene Chor, Mohammed Achabiboun, Miguel Albuquerque, Olivier Soubran, François Durand, Pierre Bedossa, Laurent Castera, Mohamed Bouattour and Valerie Paradis

**1482: Data-Mining Analysis for Prognosis of Patients with Non-Viral Hepatocellular Carcinoma: A Comparative Study with Hepatitis C Virus-Related Hepatocellular Carcinoma**

Yu Noda, Takumi Kawaguchi, Ryoko Kuromatsu, Sho Komukai, Masahito Nakano, Takashi Nizeki, Hironori Koga, Atsushi Kawaguchi and Takuji Torimura

**1483: Comparison of Outcome of Hepatic Arterial Infusion Chemotherapy Combined with Radiotherapy and Sorafenib for Advanced Hepatocellular Carcinoma Patients with Major Portal Vein Tumor Thrombus**

Kenichiro Kodama, Hiroshi Aikata, Shinsuke Uchikawa, Tomokazu Kawaoka, Kazuaki Chayama, Masataka Tsuge, Takashi Nakahara, Michio Imamura, Akira Hiramatsu and Eitsuke Murakami

**1484: A New Nomogram Predicting Overall Survival of Patients with Intrahepatic Cholangiocarcinoma**

Ning Zhang, Shanshan Lu, Yao Wu, Na Hong and Yining Lu

**1485: Clinical Outcomes after Treatment for Hepatocellular Carcinoma, Stereotactic Body Radiotherapy vs Radiofrequency Ablation: A Propensity Score-Matched Analysis**

Koji Hara, Atsuya Takeda, Yuichiro Tsurugai, Naoko Sanuki, Yusuke Saigusa, Shin Maeda, Katsuaki Tanaka and Kazushi Numata

**1486: Elderly Patients with Advanced Hepatocellular Carcinoma Could be Effectively Treated without Age-Related Adverse Events**

Takui Torimura, Takashi Nizeki, Masahito Nakano, Shigeo Shimose, Tomotake Shirono, Hideki Iwamoto and Hironori Koga

**1487: Hepatic Resection Versus Surgical Microwave Ablation for Single Hepatocellular Carcinoma ≤ 5cm in a Propensity Score Matching**

Tomoki Ryu, Yuko Takami, Yoshiyuki Wada, Masaki Tateishi, Koji Hara, Munehiro Yoshimoto and Hideki Saitsu

**1488: Impact of Tumor Infiltrating Lymphocytes on Anti-Tumor Effect and Patient Outcome in Recurrent Hepatocellular Carcinoma**

Takeshi Termashima, Eishiro Mizukoshi, Tatsuya Yamashita and Shuichi Kaneko

**1489: Clinical Significance of the Thioredoxin System and Txndc Family in Hepatocellular Carcinoma**

Hyuk Soo Eun, Sang Yeon Cho, Sungha Kim, Mi-Ju Son, Rou Woo Sun, Kim Seok Hyun and Byung Seok Lee

**1490: Correlation between Antiviral Therapy and Survival Rates of Patients with Hepatitis B Virus-Related Hepatocellular Carcinoma Undergoing Radical Hepatectomy**

Yali Weng, Xiang Li, Fen Yang, Yuwen Xu and Alei Sun

**1491: Alpha-Fetoprotein As a Predictor of Recurrence Following Liver Transplantation**

Evangelia Fatourou, James Maggs, Matthew Foxton, John O’Grady, Alberto Quaglia, Rosa Miquel, Nigel Heaton, Krishna Menon, Varuna Aluvihare, Kosh Agarwal, Michael Heneghan and Abid Suddle

**1492: The FIB4 Index and M2BPGi Are the Independent Risk Factors for Recurrence after Radiofrequency Ablation for Hepatocellular Carcinoma**

Masashi Ninomiya, Jun Inoue, Eiji Kakazu, Tatsoshi Takai, Takuya Nakamura, Akitoshi Sano and Atsushi Masamune

**1493: A Phase II Open-Label, Single Centre, Non-Randomised Trial of Y90-Radioembolization in Combination with Nivolumab in Asian Patients with Advanced Hepatocellular Carcinoma: An Interim Analysis**

Su Pin Choo, David C E Ng, Tiffany Priyanthi Hennegde, Kelvin S H Loke, Hian Liang Huang, Apoorva Gogna, Sze Huey Tan, Farah Irani, Pierce K H Chow, Si Lin Koo, Chee Kian Tham, Hui Shan Chong, Xiao Wen Lee, Kiat Hon Lim, Joe Yeong, Nandakumar Venkatanarasimha, Brian Goh, Evan Newell, Wei Wei Zhai, Han Chong Toh and David Tai

**1494: Extrahepatic Comorbidities Do Not Alter the Safety and Efficacy of Radioembolization of NAFLD-Associated HCC**

Clemens Schotten, Lars Bechmann, Paul Manka, Jens Theysohn, Alexander Dechene, Amr El Fouly, Stefan Müller, Maren Schulze, Ursula Neumann, Sonia Radinz, Dominik Heider, Ali Canbay, Guido Gerken, Ken Herrmann, Heiner Wedemeyer and Jan Best

**1495: Knowledge and Perceptions of Hepatocellular Carcinoma Screening Guidelines Among Trainees: A Tale of Three Centers**

Nader Touma, Marko Sviderski, Nandakumar Venkatanarasimha, Brian Goh, Evan Newell, Wei Wei Zhai, Han Chong Toh and David Tai

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**SUNDAY NOVEMBER 11**

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§ Denotes AASLD Foundation Abstract Award Recipient
### Poster Sessions

**1496: Chronologic Changes of Clinicopathologic Factors in Surgically Resected 950 HCCs with Different Etiologies during 24 Years**
Jun Akiba, Osamu Nakashima, Hironori Kusano, Reiichiro Kondo, Yutaro Mihara, Yoshiki Naito and Hirohisa Yano

**1497: Survival Outcomes of Patients with Two Hepatocellular Carcinoma Lesions Diagnosed Synchronously or Sequentially**
Anh Duy Pham, Zaid Ardalan, Ross Apostolov, Ning Kam, Kurvi Patwala, Gauni Mishra, Adam Testro and Paul Gow

**1498: Treatment Optimization for Hepatocellular Carcinoma in Elderly Patients in a Japanese Nationwide Cohort**
Masaki Kaibori

**1499: The Serum Levels of Myostatin, Follistatin, and IL-6 in Hepatocellular Carcinoma: Their Association with Sarcopenia and Survival**
Kanghyug Choi, Hee Yoon Jang, Sung Ho Hwang, Jung Wha Chung, Jin-Wook Kim, Eun Sun Jang and Sook-Hyang Jeong

**1500: Hepatic Resection Is Associated with Lower Macrovascular Invasion Incidence in Hepatocellular Carcinoma: A Propensity Score-Based Analysis**
Yao Liu, Zhang Qun, Xue Yang, Yuxin Li, Bingbing Zhu, Shuaishuai Niu, Yunyi Huang, Ying Hu and Xianbo Wang

**1501: Predictive Factors for Early Recurrence of Hepatocellular Carcinoma in Patients with Chronic Hepatitis C Who Achieved Sustained Virologic Response with Direct-Acting Antivirals Therapy**
Shiho Miyase, Aya Kugiyama, Natsumi Tsukano, Hirofumi Iwashita Ni, Yunyi Huang, Ying Hu and Xianbo Wang

**1502: Outcomes of Major Laparoscopic Liver Resection for Hepatocellular Carcinoma**
Jai Young Cho, YoungRok Choi, Kilhwan Kim, In Gun Hyun and Sung Jong Han

**1503: Clinical Impact of Endosonography in the Differential Diagnosis of Indeterminate Biliary Strictures**
Filiz Akyuz, Rabia Deniz, Seda Karsli, Umit Akyuz, Alp Atasoy, Kadir Demir, Sababhattin Kaymakoglu and Fatih Besisik

**1504: Prognostic Value of the Albumin-Bilirubin Grade in Patients with Hepatocellular Carcinoma: A Meta-Analysis of 28811 Individuals**
Genshu Wang, Hui Li, Junbin Zhang, Daorou Cheng and Xiaolong Chen

**1505: MacrotrabecularMassive,aNovelHepatocellular Carcinoma Histological Subtype: Analysis of Post-Resection and Transplantation Recurrence**
Yejo Jeon, Dhanpat Jain, Xuchen Zhang and Tamar Taddei

**1506: The Significance of Wisteria Floribunda Agglutinin-Positive Mac-2-Binding Protein (M2BPG1) from the Perspective of Patients with Hepatocellular Carcinoma**
Hironori Tsuzura, Takuya Genda, Nozomi Amano, Sho Sato, Murata Ayato, Ko Tomishima, Shunsuke Sato, Kohei Matsumoto, Yuji Shimada and Katsuyori Iijima

**1507: Comparison of Outcomes of Transcatheter Arterial Chemoembolization Combined with Radiofrequency Ablation and Transcatheter Arterial Chemoembolization for Advanced Hepatocellular Carcinoma with Macrovascular Invasion: A Propensity Score Analysis**
Yao Liu, Zhang Qun, Xue Yang, Yuxin Li, Bingbing Zhu, Shuaishuai Niu, Yunyi Huang, Ying Hu and Xianbo Wang

**1508: Adjuvant Cytokine-Induced Killer Cell Immunotherapy for Hepatocellular Carcinoma: A Real-World Experience from Two Large-Volume Centers in Korea**
Jun Sik Yoon, Byeong Geun Song, Jeong-Hoon Lee, Hyo Young Lee, Sun Woon Kim, Young Chang, Eun Ju Cho, Su Jong Yu, Dong Hyun Sinn, Yoon Jun Kim, Joon Hyeok Lee and Jung-Hwan Yoon

**1509: Analysis of Clinico-Pathological Characteristics of 10-Year Survivors after Curative Hepatectomy for Hepatocellular Carcinoma**
Kelvin Ng, Chung-Mau Lo, Tan-To Cheung, Tiffany Wong and James Fung

**1510: Conventional Transarterial Chemoembolization Versus Drug-Eluting Beads for Hepatocellular Carcinoma Treatment: A Systematic Review and Meta-Analysis.**
Khalid Bzeiz, Ali Albenmousa, Faisal Sanai and Mohamed Arabi

**1511: The Patterns of Treatment Modality and Survival Outcome in Patients with Hepatocellular Carcinoma Accompanying Portal Vein Invasion in Korea: A Multicenter Prospective Cohort Study**
Yong-Han Paik, Dong Hyun Sinn, Hye Won Lee, Do Young Kim, Yoon Jun Kim, Kang Mo Kim, SI Hyun Bae, Ji Hoon Kim, Yeon Seok Seo, Jae Young Jang, Byoung Kuk Jung, Hyung Joon Yim, Hyung Joon Kim, Byung Seok Lee, Bo Hyun Kim, In Hee Kim, Eun-Young Cho, Jung II Lee and Kyung-Suk Suh

**1512: Percutaneous Injection of Ethanol and Mitoxantrone Versus Radiofrequency Ablation in the Treatment of Hepatocellular Carcinoma.**
Besher Mohamed, Mohamed Emara and Cheh Tai

**1513: Influence of Reduced Immune Response to Hepatitis B Virus on Hepatocellular Carcinoma Recurrence during Direct-Acting Antiviral Treatment for Hepatitis C Virus Infection**
Kouji Joko, Toshie Mashiba, Hironori Ochi, Ryo Yano, Kaori Sato, Yusuke Okujima, Michiko Aono, Nobuaki Azemoto, Shunji Takechi, Tomoyuki Yokota, Ryosuke Jinoka, Yasunori Moriyama and Masataka Nishiyama

**1514: Clinical Characteristics and Outcome of Patients with Hepatocellular Carcinoma from Alcoholic Liver Disease**
Zhen Zeng, Shanshan Lu, Yan Chen, Liu Zhe, Yin Ying Li, ZhiXian Hong, Mu Shan, Wanzhu Tu, Suthat Liangpunsakul and Yinying Lu
1515: Nomogram for Individualized Prediction of Hepatocellular Carcinoma with Portal Vein Tumor Thrombosis
Yao Liu, Dongying Xue, Xiaogang Zhang, Fangyuan Gao, Le Sun, Xue Yang, Yuxin Li, Qin Zhang, Bingbing Zhu, Shuaishuai Niu, Yunyi Huang, Ying Hu and Xianbo Wang

1516: High Serum Mac-2-Binding Protein Glycosylation Isomer (M2BPGi) Level Was Associated with Incident Hepatocellular Carcinoma in Entecavir-Treated Chronic Hepatitis B Patients
Lung-Yi Mak, Danny Ka Ho Wong, Wai-Kay Seto, Ka-Shing Cheung, James Fung, Ching-Lung Lai and Man-Fung Yuen

1517: Pre-Operative Transient Elastography By FibroScan® Determines the Surgical Strategy in Patients with Resectable Hepatocellular Carcinoma
Muthukumarasamy Rajakannu, Audrey Coilly, Eleonora De Martin, Antonio Sa Cunha, Denis Castaing, René Adam, Didier Samuel and Eric Vibert

1518: Epirubicin Is More Effective Than Miriplatin in Balloon-Occluded Transcatheter Arterial Chemoembolization for Hepatocellular Carcinoma
Tomotake Shirono, Hideki Iwamoto, Takashi Niizeki, Shigeo Martin, Antonio Sa Cunha, Denis Castaing, René Adam, Didier Samuel and Eric Vibert

1519: Incidence of Hepatocellular Carcinoma in Patients with Hepatitis C and STAGE-3 LIVER Fibrosis after Sustained Virological Response with Direct-Acting Antivirals
Maria Sanchez Azofra, Maria Luisa Montes, Conrado Fernandez-Rodriguez, Victoria Moreno, Joaquin Poza, Luz Martin-Carbonero, Gloria Ruiz Fernandez, Eulalia Valencia, Marta Jaquiot, Jose Ignacio Bernardino, Eva Marin, Ignacio Perez-Valero, Pedro De Maria, Juan Gonzalez, Mariana Tavecchia, Miriam Romero, Araceli Garcia Sanchez, Jose Carlos Erdozain, Maria Luisa Gutierrez Garcia, Cristina Suarez, Juan Ferrer, Pedro Mora, Francisco Javier Garcia-Samaniego, Antonio Olveira and Pilar Castillo

1520: Usefulness of AFP, DCP, and Modified RECIST Responses to Predict Survival for Patients with Hepatocellular Carcinoma Treated with Transarterial Radioembolization: A Landmark Analysis
Tae-Seop Lim, Hyungjin Rhee, Beom Kyung Kim, Seung Up Kim, Jun Yong Park, Sang Hoon Ahn, Kwang-Hyub Han, Jin-Young Vats, Pamela Cornuet, Karis Kosar, Sydney Green, Sucha Singh, Marc Abrams and Kari Nejak-Bowen

1521: Predictive Effects of the Inflammatory Scores in Patients with Hepatocellular Carcinoma Receiving Operation
Ming-Chao Tsai, Pao-Yuan Huang, Chao-Hung Hung, Chien Hung Chen, Jing-Houng Wang, Sheng-Nan LU and Tsung-Hui Hu

1522: Eradication of Hepatitis C Virus Using Direct Acting Antiviral Agents Decreases Hepatocellular Carcinoma Recurrence Rates Even in Patients with Multiple Courses of Recurrence
Takamasa Ohki, Mayuko Kondo, Junya Arai, Ken Kurokawa, Chikako Shibata, Kaoru Takagi, Kentaro Kojima, Michiharu Seki, Jun Kato and Nobuo Toda

1523: Surgery Versus Radiofrequency Ablation for Early Recurrence of Hepatocellular Carcinoma: Impact of Risk Prediction Model for Microvascular Invasion
Sunyoung Lee and Tae Wook Kang

1524: Improved Hepatic Function with Direct Acting Antiviral Therapy Affects Prognosis of Radiofrequency Ablation for Hepatitis C Virus-Related Hepatocellular Carcinoma
Hironori Ochi, Ryo Yano, Kaori Sato, Yusuke Okujima, Michiko Aono, Nobuaki Azemoto, Toshie Mashiba, Tomoyuki Yokota and Kouji Joko

1524A: Comparison of Sorafenib Monotherapy Versus Transarterial Chemoembolization (TACE)-Sorafenib Sequential Therapy in Patients with Extrahepatic Metastasis of HCC: An Interim Analysis of Randomized Controlled Trial
Hyung Joon Yim, Sang Jun Suh, Young Kol Jung, Sung Bum Cho, Woo Jin Chung, Young-Seok Kim, SI Hyun Bae and Jun Yong Park

1524B: Proteomic Landscape of Cholangiocarcinomas Reveals 3 Different Subgroups According to Their Localization and the Underlying Non-Tumor Liver
Julie Le Faouder, Elia Gigante, Thibaut Leger, Olivier Soubrane, Safi Dokmak, Jerome Cros and Valerie Paradis

Experimental Cholestasis

1525: Cholangiocyte-Derived Exosomal LincRNA H19 Activates Hepatic Stellate Cells and Promotes Cholestatic Liver Fibrosis in Mice and Humans
Runping Liu, Xiaoliaoayang Li, Derrick Zhao, Xuan Wang, Eric Kwong, Michael Hinton, Yanyan Wang, Weiwei Zhu, Waad Alruwaili, William Pandak, Phillip Hylemon and Huiping Zhou

1526: Loss of Beta-Catenin Increases Cholestatic Liver Injury in the Mdr2 KO Mouse
Tirthadipa Pradhan-Sundar, Harvinder Saggi, Rong Zhang, Ravi Vats, Pamela Cornuet, Karis Kosar, Sydney Green, Sucha Singh, Marc Abrams and Kari Nejak-Bowen

1527: Loss of Hepatocyte Inositol Requiring Enzyme 1α (IRE1α) Increases Liver Fibrosis during Obstructive Cholestasis.
Xiaoying Liu, Brian LeCuyer, Susan Hubchak, Xin Yeap, Zheng Zhang and Richard Green

1528: Mast Cells Differentially Regulate Small and Large Cholangiocyte Proliferation and Apoptosis Via Mir-125b-1/Hisidine Decarboxylase (HDC)/VEGF Signaling in Bile Duct Ligated Mice
Lindsey Kennedy, Jennifer Demieville, Laura Hargrove, Vik Meadows, Steven Smith, Fanyin Meng, Gianfranco Alpini and Heather Francis

1529: Add-on Norursodeoxycholic Acid Mitigates Liver Injury Induced By High Dose Ursodeoxycholic Monotherapy in the Mdr2 Knockout Mouse Model of Sclerosing Cholangitis
Emina Hallbasić, Claudia Fuchs, Thierry Claudel, Nicole Auer, Nadja Leditznig and Michael Trauner

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Poster Sessions

1530: Knock-out of the Clock Gene, Period Circadian Protein 1 (PER1) Exacerbates Cholestatic-Induced Biliary Damage/Senescence and Liver Fibrosis Via Downregulation of Hepatic Melatonin Synthesis.
Ludovica Ceci, Nan Wu, Konstantina Kyritsi, Lindsey Kennedy, Tianhao Zhou, Juliet Venter, Lixian Chen, Heather Francis, Fanyin Meng, Gianfranco Alpini and Shannon Glaser

1531: Proteomic Discovery of Brain-Derived Neurotrophic Factor in Serum and Bile Ducts in Cholestasis
Mitsuhiko Abe, Hironori Koga, Toshimitsu Tanaka, Takahiko Sakae, Atsulaka Masuda, Hideki Iwamoto, Toru Nakamura, Hirohisa Yano and Takuji Torimura

1532: Therapeutic Effects of Extracellular Vesicles Secreted from Cholangiocytes Lacking the Secretin/Secretin Receptor Axis on Primary Sclerosis Cholangitis
Keisaku Sato, Fanyin Meng, Konstantina Kyritsi, Thao Giang, Tianhao Zhou, Juliet Venter, Shannon Glaser and Gianfranco Alpini

1533: Liver-Specific Beta-Catenin Knockout Mice Are Protected from Lithocholic Acid-Induced Cholestasis
Rong Zhang, Pengcheng Wang, Pamela Cornuet, Xiaochao Ma and Karl Nejak-Bowen

1534: Microrna Let-7a-5p Controls the Expression of the Multidrug Resistance-Associated Protein 2 (ABCC2/MRP2).
Natarajan Balasubramanivity, Michael Devereaux, Ronald Sokol and Frederick Suchy

1535: A-Calcitonin Gene-Related Peptide (α-CGRP) Increases Liver Fibrosis By Regulating Cellular Senescence and Activation of PKC/JNK Pathway in Bile Duct Ligated (BDL) Mice
Ying Wan, Ludovica Ceci, Juliet Venter, Thao Giang, Nan Wu, Konstantina Kyritsi, Lixian Chen, Paul Baker, Heather Francis, Shannon Glaser, Gianfranco Alpini and Fanyin Meng

1536: Scaffolding Protein IQ Containing GTPase Activating Protein 1 Protects the Liver from Injury
Anushna Sen, Hanna Erickson and Sayeepriyadarshini Anakk

1536A: Therapeutic Testing of Cholangiocarcinoma in Male and Female Mice
Mary Anne Phillippi, Ying Xie, Ashley Mohr, Cody Wehrkamp, Bailey Stringham, David Oupicky and Justin Mott

Gene Expression and Therapy

★1537: A Human Liver Cell Atlas Based on Single-Cell RNA-Sequencing Uncovers Cell Heterogeneity in Human Liver and Reveals Cancer-Specific and Environment-Specific Gene Signatures
Nadim Aizarani, Antonio Saviano, Laurent Mailly, Sagar, Sarah Durand, Patrick Pessaux, Thomas Baumert and Dominic Grun

1538: FXR Activation By Obeticholic Acid Reduces Plasma LDL-Cholesterol in Mice By Upregulating Hepatic LDL Receptor Via a Posttranscriptional Mechanism
Jingwen Liu, Fredric Kraemer, Yanyong Xu, Yanqiao Zhang, Jingwen Liu and Amar Singh

1539: Fatty Liver Environment Confers Antiangiogenic Drug Resistance to Hepatocellular Carcinoma and Metastatic Liver Cancer of Colorectal Cancer through Activation of Lipid Dependent Metabolic Pathway
Hideki Iwamoto, Mitsuhiko Abe, Hironori Koga, Yihai Cao and Takuji Torimura

☆ 1540: New Therapeutic Strategies for Human Hepatocellular Carcinoma Based on Epigenetic Targeting.
Juan Bayo Fina, Esteban Fiore, Luciana Dominguez, Mariana Malvicini, Catalina Atorrasagasti, Mariana Garcia, Marcelo Rodriguez, Agostina Onorato, Elisabeth Martinez and Guillermo Mazzolini

1541: Evolution of Adaptive Molecular Alterations and Drug Response in Patient Derived Primary Liver Cancer Cell Lines
Darko Castven, Diana Becker, Carolin Czauderna, Diana Wilhelm, Jesper Andersen, Susanne Strand, Monika Hartmann, Stefanie Heilmann-Heimbach, Wilfried Roth, Nils Hartmann, Beate Straub, Friederike Mahn, Sophia Franck, Sharon Pereira, Anna Haupts, Arndt Vogel, Marcus-Alexander Woens, Arndt Weinmann, Stefan Heinrich, Hauke Lang, Snorri Thorgerisson, Peter Galle and Jens Marquardt

1542: WITHDRAWN

1543: Oral Treatment with Milciclib Either Alone or in Combination with Sorafenib Inhibited Tumor Growth in an Orthotopic Model of Hepatocellular Carcinoma
Aastha Jindal, Vaseem Palejwala and Kunwar Shailubhai

1544: Virus-like Particles of Hepatitis E Virus As a Tool of Liver-Specific Gene Delivery System
Sachiko Ogasawara, Yutaro Mihara, Reiichiro Kondo, Hironori Kusano, Jun Akiba and Hirohisa Yano

1545: Anti-Proliferative Effect of Lenvatinib on Human Liver Cancer Cell Lines in Vitro and In Vivo
Sachiko Ogasawara, Yutaro Mihara, Reiichiro Kondo, Hironori Kusano, Jun Akiba and Hirohisa Yano

1546: Deficiency of Apoptosis Stimulating Protein Two of p53 Promotes Liver Regeneration in Mice By Activation of Mammalian Target of Rapamycin
Hongbo Shi

1547: Intact Signaling Pathways Dependent on p53 Family Members Are a Prerequisite to Improve Therapeutic Response in Hepatocellular Carcinoma By Induction of Tumorsuppressive microRNAs
Lisa Kaser, Emily Ungemann, Rafael Heremlink, Elisabeth Aschenbrenner, Kirstin Pollinger, Claudia Kunst and Martina Mueller-Schilling

Poster Viewing: 8:00 AM – 5:30 PM
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Presenters in Attendance 12:30 – 2:00 PM
1548: TRAF2 Regulates Hepatocellular Carcinogenesis Via Modulating the Activity of NEDD8-Activating Enzyme (NAE)
Xue Liang, Jiping Yao, Yongchao Zhao and Min Zheng

1549: Autophagy Orchestrates Senescence in the Liver
Nazmiu Huda, Bilon Khambu, Xiaoyun Chen and Xiaoming Yin

1550: Enhanced HCC-Specific Adenoviral Gene Therapy Via RNA Replacement of hTERT-Targeting Trans-Splicing Ribozyme
Jin Jeong, Mi Ha Ju, Sang Young Han and Soeng Wook Lee

1550A: Delivery of ANTI-IFNR1 shRNA Decreases IFNR1 GENE Expression, and Improves Adenoviral Transduction and Transgene Expression in Hepatic CELLS
Jesús Guerrero-Rodríguez, Ana Sandoval-Rodríguez, Jesús García-Bañuelos, Martha Lucano-Landeros, Arturo Santos-Garcia, Juan Armendariz-Borunda and Adriana Salazar

1550B: Hepcidin-Mediated Hypoferremia in Inflammation Requires Bmp6/Hjv/Smad Signaling and Physiological Hepatic Iron Content
Carine Fillebeen, Nicole Wilkinson, Edouard Charlebois, Angeliki Katsarou, John Wagner and Kostas Pantopoulos

HCV Diagnostics, Epidemiology and Natural History

★1551: Human Pegivirus-2 Exhibits Minimal Geographic and Temporal Genetic Diversity
Kenh Forberg, Mary Rodgers, George Dawson, Silvia Oliveras, Ana Olivo, Ana Vallart, Marta Bes, Maria Piron, Gavin Cloherty and Michael Berg

★1552: HCV Screening Among the Population of Georgia within the National Elimination Program
Davit Sergeenko, Maia Lagivlava, Ana Aslanikashvili, Maia Tsereteli, Davit Baliashvili, Vladimir Getia, Alexander Turdziladze, Irma Khonelidze, Maia Alkhazashvili, Ekaterine Adamia, Paata Imnadze and Amiran Gamkrelidze

★1553: “If I Get Cured, My Whole Quality of Life Will Change”: an in-Depth Qualitative Analysis of Patients’ Anticipated Benefits If Cured from Hepatitis C Viral (HCV) Infection
Donna Evon, Carol Golin, Jessica Carda-Auten, Bryce Reeve, Jennifer Barr and Michael Fried

★1554: Hepatitis C Virus Genotype 3, Particularly 3b, Is Associated with an Increased Risk of Liver Disease Progression in China National Cohort with Multiple Genotypes.
Nan Wu, Huiying Rao, Rui-feng Yang, Yong-tao Sun, Ran Fei, Yinchui Gao, Qian Jin, Weibo Yang, Junqi Niu, Zhiliang Gao and Lai Wei

★1555: Liver Elasticity Change and Liver Cancer Development in Chronic Hepatitis C Patients Who Achieved Sustained Virological Response: Comparison between Direct-Acting Antivirals and Interferon-Based Therapy
Ryo Nakagomi, Ryosuke Tateishi, Yoko Soroida, Tomomi Iwai, Taijiro Wake, Mizuki Kinoshita, Takuma Nakatsuka, Masaya Sato, Tatsuya Minarni, Koji Uchino, Kenichiro Enooku, Hayato Nakagawa and Kazuhiro Koike

★1556: Clinical Performance of a Fully Automated Next-Generation Sequencing Platform for HCV Resistance Testing
Christophe Rodriguez, Alexandre Soulier, Vanessa Demantant, Slim Fourati, Lila Poiteau, Jean-Michel Pawlotsky and Stéphane Chevaliez

★1557: Education and Targeted HCV Screening in Pregnancy Is Effective in an Ethnically Diverse, Urban Population
Ivana Carey, Marie-Ange McLeod, Teresa Bowyer, Geoffrey Dusheiko and Kosh Agarwal

★1558: The Presence of Resistance-Associated Substitutions (A30K+L31M) in Daa Treatment-Naïve Patients with Genotype-3b HCV Infection
Xiangsha Kong, Lai Wei, Rui-feng Yang, Hui-ying Rao, Hai-ying Zhang, Jianghua Wang and Ying Ji

Martin Obermeier, Andrew Moritz, Stefan Breuer and Robert Ehret

★1560: Variability in Liver Stiffness Measurements Among Patients with Viral Hepatitis
Carla Rodriguez, Kevin Rubenstein, Eric Watson, Anya Mezina, Po-Hung Chen and Tinsay Woreta

★1561: Antiviral Therapy for Chronic Hepatitis C Improves Insulin Resistance: Systematic Review and Meta-Analysis
Supanee Rassameehiran and Gagan Sood

★1562: Predictive Factors for Liver Disease Progression Following the Direct Acting Antivirals Induced Sustained Virological Response: Data from the Italian Platform for the Study of Viral Hepatitis Therapies (PITER) Cohort
Loreta A. Kondili, Maria Giovanna Quaranta, Stefano Rosato, Liliana Elena Weimer, Franca D’Angelo, Carmine Coppola, Anna Linda Francesca Zignego, Maurizia Brunetto, Giovanni Raimondo, Teresa Antonia Santantonio, Andrea Iannone, Gloria Taliani, Massimo Zuin, Luchino Chessa, Antonio Craxi, Guglielmo Borgia, Pietro Andreone, Francesco Russo, Pierlugi Blanc, Filomena Morisco, Giustino Parruti, Francesco Barbaro, Salvatore Madonia, Franco Capra, Maria Vinci, Marcello Persico, Liliana Chemello, Andrea Gori, Marco Massari, Massimo Puoti, Anna Licata and Erica Villa

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1563: Hepatitis C Virus Genotype 3 and Resistance Associated Substitutions in NS3 and NS5A in Europe: Will It Impact Clinical Practice?
Federico García, Julia Dietz, Natalia Chueca, Velia Di Maio, Stefania Paolucci, Blanca Bruzzzone, Miguel García-Deittoro, Juan Manuel Pascasio, Nicola Coppola, Juan Antonio Pineda, Christoph Sarrazin and Francesca Ceccherini-Silberstein

1564: Daal Treatment Associated with Longer Survival in Swedish Patients with Chronic Hepatitis c (CHC) and Chronic Kidney Disease (CKD)
Annette Bruchfeld, Juan Jesus Carrero, Stina Salomonsson, Gunbrit Lagerbaeck, Samira Toghanian, Amy Puenpatom, Aaron Levin and Karin Lindahl

1565: National Estimates for HCV Screening and Diagnosis Rates in the United States (2013-2016) Based on Large Real-World Dataset
Mark Sulkowski, Steve Marx, Shivaji Manthena, John Strezewski and Viktor Chirikov

1566: Risk of Cardiovascular Disease Events after HCV Treatment: Results from Enrivers
Adeel Butt, Peng Yan, Ashfaq Shuaib, Abdul-Badi Abou-Samra, Obaid Shaikh and Matthew Freiberg

1567: National Examination of HCV Linkage to Care in the United States (2013-2016) Based on Large Real-World Dataset
Nancy Reau, Steve Marx, Shivaji Manthena, John Strezewski and Viktor Chirikov

1568: Diagnosing Active HCV Infection in Southern Spain: Overcoming the Barriers to the Implementation of a Reflex Testing Programme
Paz Casas, Isabel Viciana, Natalia Montiel, Alberto De La Iglesia, Ana Dominguez, Carolina Freyre-Carrillo, Vicente Guillot, Aurora Muñoz, Purificación Cantudo, Francisco Franco-Álvarez, Juan Antonio Reguera, María Angustias Romera, Joaquin Cabezas, Julio Vargas, Mercedes Ramírez-Arcos, Immaculada Guerrero, África García-Navarrete, María Jesús Pérez-Santos, Juan Carlos Alados and Federico García

1569: High Rate of HCV Positive Patients in an Urban Open Access Colonoscopy Suite: Potential for Point of Care Screening a Predominately African American Population
Ahmad Abu-Heija, Maher Tama, Pradeep Kathi, Paul Naylor, Murray Ehrinpreis and Milton Mutchnick

1570: Responding to the Opioid Epidemic: Improving the Diagnosis of Hepatitis C Virus Infection with Expanded Screening
Maria Ortiz

1571: HCV Elimination in France in 2025. the Countdown Has Been Launched
Pascal Melin, Françoise Roudot Thoraval, Marc Bourliere, Victor de Ledinghen and Philippe Bonnard

1572: Time to Progression through the Hepatitis C Care Continuum in a Federally Qualified Health Center
Lora Magaldi, Julie Anderson, Nabori Brown, Carla Coleman, Jalina Evans, Jay Kostman, Ta-Wanda Preston, Alexandra Ripkin, Ricardo Rivera and Stacey Trooskin

Suying Li, Tingting Gong, Yi Peng, Kimberly Nieman and David Gilbertson

1574: Successful HCV Screening Among Baby Boomers Using EMR Pop-up and Targeted Mailing
Joshua Trowell, George Lowe and Paul Thuluvath

Adeel Butt, Peng Yan, Vincent Lo Re and Obaid Shaikh

1576: Comparative Analysis of Direct-Acting Antiviral Regimens across Hepatitis C Genotypes and Clinical Characteristics Among Patients Under Routine Clinical Care in the US
Stuart Gordon, Jia Li, Scott Holmberg, Anne Moorman, Philip Spradling, Eysu Teshale, Joseph Boscaino, Yihe Daida, Mark Schmidt, Kuan-Han Wu, Lora Rupp, Talan Zhang, MPH Trudeau and Mei Lu

1577: Single Cell Sequencing of Hepatocytes Reveals HCC-Related Changes during Early Fibrosis in HCV-Infected Individuals
Jose Debes, Jun Hou, Thomas Vanwolleghem and Andre Boonstra

1578: Impact of Direct Acting Antiviral Treatment on Indices of Liver Disease Severity and Projected Mortality Risk in HIV-HCV Co-Infected Patients – Analysis of Phase 3 Clinical Trials
Thomas Wagner, Li Dong, Anu Osinusi, Diana Brainard and Michael Charlton

1579: Molecular Epidemiology of Hepatitis C Virus in Liver Disease Patients and Blood Donors from Northern India
Deepak Kumar, Jayanta Borkakoti and Premashis Kar

1580: Risk Factors Associated to Hepatitis C Virus Infection in HIV-Positive Populations of Central Mexico

1581: Hepatocellular Carcinoma Incidence Among Underserved Patients with Hepatitis C Virus Infections
Rohit Ojha, Brooke MacDonald, Tzu-Chun Chu and Rachel Stewart

1582: Chronic Hepatitis C and Autoimmune Hepatitis Overlap Syndrome: Fact or Fiction?
Juan Putra, Thomas Schiano and Maria Isabel Fiel

1583: Frequency and Associated Risk Factors of HBV and HCV in Children at Hptc Lahore
Iftidar Seerat, Humaira Mushtaq, Memona Rafiq, Gurdeep Singh and Abdul Nadir
**Poster Sessions**

1584: Factors Associated with a Low Risk of Hepatocellular Carcinoma (HCC) after Sustained Virolological Response (SVR)

Jason Lau, Lisette Krassenburg, Wayel Zanjir, Fireas Georgie, Orlando Cerocchi, Emily Stotland, Heidy Morales, Harry Janssen, Bettina Hansen and Jordan Feld

1585: FIB 4 Score Correlates with Ultrasound Elastography Changes in HCV Patients Receiving Daas Treatment

Mohamed Shoreibah, Omar Sims, Vishnu Kommineni, John Romano, Paul Fitzmorris, Moustafa Massoud, Chiu Chia-Ying, Krishna Venkata and Omar Massoud

1586: Difficulty in Assessing Sustained Virolologic Response in a Population with a History of Substance Abuse

Lora Magaldi, Jolie Anderson, Nabori Brown, Carla Coleman, Jalina Evans, Jay Kostman, Ta-Wanda Preston, Alexandria Ripkin, Ricardo Rivera and Stacey Trooskin

1587: Presence of Advanced Liver Disease Concurrent with Initial Diagnosis of Hepatitis C Virus (HCV) Infection Among Patients in the Chronic Hepatitis Cohort Study (CHeCS) 2014-16: Missed Opportunities for Intervention

Anne Moorman, John Xing, Lora Rupp, Stuart Gordon, Mei Lu, Philip Spradling, Joseph Boscarrino, Yihe Daida, Mark Schmidt, Scott Holmberg and Eyasu Teshale

1588: Hepatitis C Infection in Pregnant American Indian and Alaska Native Women; 2011-2015

Leisha Nolen, John O’Malley, Sara Seeman, Dana Bruden, Andria Apostolou, Brian McMahon and Michael Bruce

1589: Unexpected Demographics Among People Seen at Substance Abuse Centers across Southeast Texas Who Are Infected with Hepatitis C Virus (HCV)

Scott Berger, Caroline Ankoma-Sey, Laura Mosley, Wayne Gosbee, Chukwuma Egwim and Victor Ankoma-Sey

1590: The Increase in the Circulating Chemokine Ligand 2 (CCL2) Levels in Patients with Chronic Hepatitis C Post Sustained Virolologic Response (SVR) Is Not Associated with Detrimental Impact on Health-Related Quality of Life

James Estep, Leyla de Avila, Ali Weinstein, Carey Escheik, Pegah Golabi, Jillian Price, Aybike Birerdinc, Maria Stepanova, Lynn Gerber and Zobair Younossi

1591: The Cedar Project: Childhood Sexual Abuse Is a Risk Factor for Hepatitis C Infection Among Young Indigenous People Who Use Drugs in Canada

Margot Pearce, Kate Jongbloed, Wayne Christian, Alden Blair, Eric Yoshida, Martin Schechter and Patricia Spittal

1592: Effect of Svr on Liver-Related and All-Cause Hospitalization of Patients with Chronic HCV Infection: The Chronic Hepatitis Cohort Study (CHeCS), 2014-16

Ryan Augustine, Jian Xing, Philip Spradling, Anne Moorman, Lora Rupp, Stuart Gordon, Mei Lu, Joseph Boscarrino, Mark Schmidt, Yihe Daida, Scott Holmberg and Eyasu Teshale

1593: Hepatitis C Virus Reinfection after Successful Treatment with Direct-Acting Antiviral Therapy in a Large Population-Based Cohort

Carmine Rossi, Zahid Butt, Stanley Wong, Jane Buxton, Nazrul Islam, Amanda Yu, Maryam Darvishian, Mark Gilbert, Jason Wong, Nuria Chapinal, Mawuena Binka, Maria Alvarez, Mark Tyndall, Mel Kradjen and Naveed Janjua

1594: “Normal!” ALT By Central Laboratory Criteria but >30 U/L for Males and >19 U/L for Females Is Predictive of Residual Inflammation in Liver Biopsies after Sustained Virolologic Response to Direct-Acting Antivirals for Chronic Hepatitis C

Masaru Enomoto, Yoshihiro Ikura, Akhiro Tamori, Ritsuuo Kozuka, Hiroyuki Motoyama, Etsushi Kawamura, Atsushi Hagiwara, Hideki Fujii, Sawako Uchida, Hiroyasu Morikawa, Yoshiki Murakami and Norifumi Kawada

1595: The Alcohol Use Disorders Identification Test Screening in Patients with Hepatitis C

Andrew Muir, Jia Yao, Julius Wilder, Christina Makarushka, Kelly Keefe, James Helzberg, Paolo Mannelli, Donna Evon, Donna Niedzwiecki, Susanna Naggie, Michael Fried and Rae Jean Proeschold-Bell

1596: Hepatitis E Virus Infection Does Not Explain Liver Enzymes Elevation in Patients with Inflammatory Bowel Disease Treated with Immunosuppressive Therapy: A Prospective, Multicentre Study in France

Christophe Renou, Stephane Nahon, Frederic Heluwaert, Gilles Macaigne, Morgane Aml, Stephane Talom, Benedicte Lambare, Claire Charpignon, Thierry Paupard, Monica Sitetu, Marie-Pierre Ripault, A Yamaga, Florent Ehrhard, Franck Audemard, Maria Carmen Ortiz Correro, David Zanditenas, Florence Skinazi, Helène Agostini and Anne-Marie Roque-Afonso

1597: Transcriptome-Based Quantification of Fibrogenesis in Situ in HCV Infected Human Liver

Atsumasa Komori, Yuki Kugiyama, Shigemun Bekki, Satoru Hashimoto, Akira Saeki, Shinya Nagaoka, Kazumi Yamasaki, Seigo Abiru and Hiroshi Yatsuhashi

1598: Defining and Monitoring Liver Disease in Chronic Hepatitis C: A Comparison of the Disease Severity Index (DSI) from the Hepquant Shunt Test with Ishak Fibrosis Stage (IFS) from Liver Biopsy

Gregory Everson and Steve Helmke

1599: An Evaluation of Elift, Fib-4 and APRI for Exclusion of Advanced Fibrosis in a Real-World Hepatitis C Treatment Cohort

Shirin Denma, Amine Benmassaoud, Samantha Campbell and Douglas Macdonald

1600: Assessing for Improvement in Synthetic and Metabolic Liver Function Post-Svr.

Julie Holeksa, David Truong, Arshia Alimohammadi and Brian Conway

1601: Identification of HCV Transmission Clusters in a Group of Thalassemic Patients with Diagnosis of ACUTE HCV Infection

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1602: Beyond the Liver: The Frailty Syndrome in Patients with Non-Cirrhotic Chronic Hepatitis C Infection.
   Damien Ferguson, Ross O’Shea, Philip O’Gorman, Orla Strahan, Colm Bergin, Susan McKiernan, Colin Doherty and Suzanne Norris

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   Yasemin Balaban, Osman Dag, Alparslan Alp, Tugrul Purnak, Mehmet Akif Goktaš, Nomingerel Tseveldor, Hulya Demir, Hayrettin Koklu, Cavansir Vahabov, Bulent Sivri, Gulsen Hascelik and Halis Simsek

1605: Impact of HCV Sustained Virologic Response on Liver and Drug-Related Mortality in a Large Population Based Cohort
   Mel Krajden, Darrel Cook, Carmine Rossi, Zahid Butt, Naveed Janjua, Amanda Yu, Maria Alvarez, Mawuenka Binka, Maryam Darvishian, Nuria Chapinal, Jason Wong, Mark Gilbert, Mark Tyndall and Stanley Wong

1606: Differences in Inpatient and Outpatient HCV Prevalence and Linkage to Care Rates in a Safety Net Hospital Hepatitis C Screening Program
   Hima Veeramachaneni, Brandi Park and Lesley Miller

1607: State Variation in Mortality Reporting for Hepatitis C and Related End Stage Liver Disease
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1608: Clinical and Epidemiological Features of Hepatitis C Virus Infection in South Korea from 2007 to 2017: A Prospective, Multicenter Cohort Study.
   Joon Yeul Nam, Hee Yoon Jang, Kanghyug Choi, Ingyoon Ha, Eun Sun Jang, Jin-Wook Kim and Sook-Hyang Jeong

1609: Reinfection in Inmates with Sustained Viral Response after Treatment for Chronic Hepatitis C from 2002 through 2016 in Catalonia (Spain)
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1610: Improvements in Patient Reported Outcomes after Sustained Virologic Response in Patients with Hepatitis C Virus Infection Correlates with Increases in Serotonin and Catechol-O-Methyltransferase (COMT)
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1611: Combined Use of Wfa(+)-M2BP and AFP-L3 for the Prediction of Hepatocellular Carcinoma Development Among Patients with Hepatitis C Virus; One Size Fits All from 100% Rule-out in 5-Years to 70% Rule-in in 10-Years.
   Kazumi Yamasaki, Masashi Mizokami, Shigemun Bekki, Akane Shimakura, Yuki Kugiyama, Satoru Hashimoto, Akira Saeki, Shinya Nagaoka, Seigo Abiru, Atsumasa Komori and Hiroshi Yatsuhashi

1612: Association of TLL1 Variant with Development of Hepatocellular Carcinoma and Fibrosis after Eradication of Hepatitis C Virus
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   Jag Chhatwal, Qiushi Chen, Emily Bethea, Turgay Ayer, Yuerean Zhuo, Chin Hur, Anne Spaulding and Fasiha Kanwal

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1615: Longitudinal Change in Liver Stiffness Among Patients with Hepatitis C
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1618: Confections and Triple Infection with HCV, HBV and HIV Are Associated with Higher Risk of Mortality in a Large Population Based Cohort Study
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1619: Antiviral Therapy Is Associated with Reduced Risk of Parkinsonism in Patients with Chronic Hepatitis C
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1620: The Changing Epidemiology and Etiology of Hepatocellular Carcinoma from 1969 through 2017 in Alaska Native People
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1627: Late Relapse and Molecular Analysis of Hepatitis C Virus in Patients with Sustained Virological Response By All Oral Direct Acting Antivirals Therapy
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1631: Changes in Hepatic Steatosis Measured By CAP-Fibroscan in Patients with Chronic Hepatitis C Treated with Direct Acting Antivirals
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1632: The Hepatitis C Continuum of Care for People Who Inject Drugs, Philadelphia, PA.
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1633: Clinical Performance of Rapid Diagnostic Test for Anti-HCV Antibodies in an HCV Infected Population
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1645: Changes in Renal Glomerular Filtration in Patients with Chronic Hepatitis C, 1 and 2 Years after Treatment with Direct-Acting Antivirals
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1652A: Neutrophils Contribute to Spontaneous Resolution of Liver Inflammation Via Mir-223
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1654: Harmful Neutrophils in Alcoholic Hepatitis: Increased Extracellular Traps (NETs) in Patients and Attenuated Liver Injury after Neutrophil Depletion in Mice
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1655: Nucleotide-Binding Oligomerization Domain 1 Modulates Liver Ischemia Reperfusion through the Expression of Adhesion Molecules.
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Benoit Rousseau, Aurélie Rodrigues, Camilia Machou, Julien Calderaro, Imène Gasmi, Isaac Ruiz, Arthur Brouillet, Alain Luciani, Jean-Michel Pawlotsky and Fouad Laflif

1658: Downregulation of Ferroportin Protein Levels in Myeloid Cells in Response to Fat or Endotoxin: Mechanism for Iron Deposition in Hepatic Reticuloendothelial System Cells in Patients with Nonalcoholic Steatohepatitis.
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1659: Eosinophils Inhibit Fibrosis in Murine Liver Fibrosis Models
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1663: The Role of Hepatic Natural Killer Cells in the Pathogenesis of Choledochal Liver Disease
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1664: Mechanism-Based Pharmacological Interventions Targeting Cytotoxicity Pathways in Donor Cells and Innate Immune Responses in Recipients Improve Liver Repopulation By Transplanted Hepatocytes
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1665: Role of PD-L1+pd-L2+monocytes from Advanced-Stage HCC Patients Suppressed the Tumoricidal Activity of CD8+cells from Syngeneic Patients
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★ 1672: Control: A Randomized, Double-Blind, Placebo-Controlled Phase 2 Study Investigating the Effects of Obeticholic Acid and Atorvastatin Treatment on Lipoprotein Metabolism in Patients with Nonalcoholic Steatohepatitis
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1691: Transition of Advanced Fibrosis in Type-2 Diabetics with Suspected Nonalcoholic Fatty Liver Disease Based on Non-Invasive Fibrosis Scores
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1692: Safety, Tolerability and Pharmacokinetics of DRX-065, the Stabilized, Preferred R-Stereoisomer of Pioglitazone: A Mitochondrial Function Modulator for Nonalcoholic Steatohepatitis (NASH) without the PPARγ Agonism and Related Side Effects of Pioglitazone
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1695: Serum Metabolites Predict the Presence of Advanced Fibrosis in Derivation and Validation Cohorts of Patients with Nonalcoholic Fatty Liver Disease
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1698: Nonalcoholic Fatty Liver Disease Increases Risk of Incident Chronic Kidney Disease in a Large Cohort of U.S. Population
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1699: Association between Apolipoprotein C3 and Serum Triglycerides in Nonalcoholic Steatohepatitis (NASH) Patients Treated with the Acetyl-CoA Carboxylase (ACC) Inhibitor GS-0976
   Parvez Mantry, Zeid Kayali, Mazen Noureddin, Peter Ruane, Bryan McColgan, Jacqueline Tarrant, Lulu Wang, Tuan Nguyen, Eliza Harting, Chuhan Chung, Robert Myers, Scott Patterson, Michelle Lal, Michael Charlton, Eric Lawitz, Stephen Harrison and Rohit Loomba

1700: Food Intake Significantly Affects Liver Stiffness but Not Controlled Attenuation Parameter in Patients with Non-Alcoholic Fatty Liver Disease Undergoing Vibration-Controlled Transient Elastography
   Raj Vuppalanchi, Regina Weber, Niharika Samala, Samer Gawrieh, Lauren Harden, Sarah Russell, James Slaven and Naga Chalasani

1701: Aromatase Inhibitors and Nonalcoholic Fatty Liver Disease in Early Stage Breast Cancer Women
   Kwan Sik Lee, Jung Il Lee, Hyun Woong Lee and Hye Young Chang

1702: Factors Affecting Hepatic Steatosis (HS) in Patients with Diabetes Mellitus Type 2 (DM)
   Angeliki Meritsi, Anastasia Thanopoulou, Marina Noutsou, Efstatios Tsitsopoulos, Panagiotis Kouris, Hariklia Moschogianni, Pavlos Zoumpoulis, Spiillos Manolakopoulos, Spyridon Dourakis and Emanuel Manesis

1703: High Body Mass Index in Young Adulthood and Future Risk of Severe Liver Disease: A National, Population-Based Cohort Study in 1.1 Million Women
   Hannes Hagström, Jonas Höijer, Anna Andreasson, Matteo Bottai, Kari Johansson, Jonas Ludvigsson and Olof Stephansson

1704: Alteration of Hepatic OATP Activity Does Not Alter the Pharmacodynamic Effect of GS-0976, a Liver Targeted ACC Inhibitor, on De Novo Lipogenesis
   Brian Kirby, Justin Lutz, Kimberly Garrison, Vinay Daryani, Adriamne Yesterdahl, Mun Sang Yue, Ann Qin, Robert Myers, Brian Kearney and Anita Mathias

1705: Automated Quantitation of Steatosis, Fibrosis and Ballooning Using Machine Learning in Routine Histological Images of Liver Biopsies of Patients with NASH
   Rocio Lopez, Mazen Noureddin, Eric Lawitz and Naim Alkhouri

1706: Bile Acids, Hepatic Steatosis and Gut Microbiome in Patients Undergoing Dietary Intervention for Non-Alcoholic Fatty Liver Disease
   Zhenyi Wang, Catherine Properzi, Christopher Liddle, Phillipp Melton, Amir Ariff, Theresa O’Sullivan, Jill Sherriff, Sally Coulter, Claus Christophersen, Mark Morrison, Gary Jeffrey and Leon Adams

★ Denotes AASLD Presidential Poster of Distinction  
รอย Denotes AASLD Foundation Abstract Award Recipient
1707: Predictors of Incident Cardiovascular Disease in Adults with Biopsy-Proven NAFLD
Jacqueline Henson, Tracey Simon, Aly Kaplan, Stephanie Osganian, Cheryl Nath and Kathleen Corey

1708: Metabolomics Profiles in the Progression of Non Alcoholic Fatty Liver Disease
Jacopo Troisi, Mario Masarone, Andrea Aglitti, Rosa Caruso, Valerio Rosato, Angelo Colucci and Marcello Persico

1709: Safety, Pharmacokinetics and Pharmacodynamics of Obeticholic Acid in Subjects with Compensated Cirrhosis Due to Nonalcoholic Steatohepatitis
Naim Alkhouri, Jeffrey Edwards, Fred Pookad, Eric Lawitz, Lois Lee, Sharon Karan, Jason Campagna and Leigh MacConell

1710: Progression of Liver Fibrosis Is Associated with Non-Liver-Related Mortality in Patients with Nonalcoholic Fatty Liver Disease
Nozomi Miyake, Toshihumi Tada, Natsuko Kobayashi, Hidenori Toyoda, and Takashi Kumada

1711: The Utility of Liver Elastography in Evaluation of Liver Fibrosis in Obese Patients Undergoing Bariatric Surgery
Alhareth Al Juboori, Alberto Diaz-Arias, Malihah Nasser, Nhan Le, Majid Syed-Abdul, Greg Petroski, James B. Pitt, Nicole Spencer, Ghassem Hammoud, Randy Rector, Elizabeth Parks and Jamal Ibddah

1712: Risk of Hepatic Decompensation Among Patients with Cryptogenic Cirrhosis
Laura Telep, Amanda Singer, Lindsey Force, Bryan McColgan, Robert Myers and Anand Chokkalingam

1713: The Association of Ggt and the QRISK2: Estimate 10-Year Cardiovascular Risk in Liver Biopsy-Proven NAFLD Patients; The GO-ASIA Initiative
Sombat Treeprasertsuk, Panyavee Plitsitthum, Wah Kheong Chan, Boon Bee George Goh, Jian-Gao Fan, Myeong Jun Song, Phunchai Characharonenwithay, Ajay Duseja, Yock Young Dan, Kento Imajo, Atsushi Nakajima, Khek Yu Ho, Khean Lee Goh and Vincent Wong

1714: Rapidly Rising Nonalcoholic Fatty Liver Disease-Related Hospitalizations Among U.S. Adults: An Analysis of the 2007-2014 National Inpatient Sample
Grishma Hirode, Benny Liu, Taft Bhuket and Robert Wong

1715: Intragastric Balloon in Compensated Nas (non alcoholic steato hepatitis) Cirrhotics - an Observational Study
Shiv Kumar Sarin, Lovkesh Anand, Ankit Bhardwaj, Kapil Jamwal, Ra khit Maiwall, Ashok Choudhury and Rajan V

1716: Presence of Visceral Adiposity Fans the Flame of Mortality Amongst Sarcopenic Patients with Liver Cirrhosis
Varghese Shasthry, Puja Bhatia, Harshita Tripathi, Jaya Benjamin, Shalini Thapar, Guresh Kumar, Puneet Puri, Yogendra Joshi and Shiv Kumar Sarin

1717: The Splice Variant rs72613567 (-/A) in HSD17B13 (17-beta-hydroxysteroid dehydrogenase 13) Protects Patients with NAFLD from Severe Histological Outcomes, Including Fibrosis, Ballooning and Lobular Inflammation
Carlos Pirola, Martin Garaycochea, Carla Gazzi, Juan Miquel, Bernabe Bustos Becerra, Marco Arrese, Diego Flichman, Gustavo Castaño and Silvia Sockoian

1718: The Long-Term Alcohol Parameter Ethyl Glucuronide in Hair Uncovers a High Rate of Alcoholic Liver Disease Patients Falsly Diagnosed As Non-Alcoholic Fatty Liver Disease
Katharina Stauffer, Ursula Huber-Schönauer, Silke Susse, Manuela Teufelhart, Michel Yegles, Christian Datz and Michael Trauner

1719: The Pharmacokinetics of GS-0976, an Acetyl-CoA Carboxylase (ACC) Inhibitor, in Subjects with Mild, Moderate, and Severe Hepatic Impairment
Cara Nelson, Elijah Weber, Mun Sang Yue, Victoria Millward, Ann Qin, Thomas Marbury, Eric Lawitz, Georgia Li, Robert Myers and Brian Kirby

1720: Basic Characteristics of CHB-NAFLD Patients: A Cross-Sectional Study Based on Pathological Evaluation
Xiaoling Chi, Huanming Xiao, Yubao Xie, Meijie Shi, Pengtao Zhao, Junmin Jiang, Gaoshu Cai, Huijun Chen, Chaozhen Zhang, Hongcai Liang, Yingxian Li, Minglin Gao and Sheng Li

1721: The Impact of Thrombocytopenia on the Risk of Mortality Amongst Adult Patients with Severe Hepatic Steatosis: A Population Based Study United States Adults
Mohamed Elsaid, You Li, Carolyn Catalano and Vinod Rustgi

1722: Preclinical Evaluation of Endothelial Dysfunction By Peripheral Artery Tonometry and Its Correlations with Untargeted Metabolomic Profiles in NAFLD
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1723: Cholesterol Crystallization in Hepatocyte Lipid Droplets Distinguishes Human Nonalcoholic Steatohepatitis (NASH) from Simple Steatosis and May Play a Causative Role in Nash.
George Ioannou, Charles Landis, W. Haigh, Ga-Young Jin, Geoffrey Farrell, Sum Lee and Christopher Savard

1724: Estimating the Impact of Hypothetical Treatment for Patients with Advanced Non-Alcoholic Steatohepatitis (NASH) on Clinical Outcomes
Zobair Younossi, Radhika Tampi, Fatema Nader, Issah Younossi, Rebecca Cable, Manirath Srishord and Andrei Racila

1725: Increased Prevalence of Non-Alcoholic Fatty Liver Disease (NAFLD) in Asia: A Systematic Review and Meta-Analysis of 164 Studies and 1,704,963 Subjects from 13 Countries
Jie Li, Biyao Zou, Yee Hui Yeo, Hideki Fujii, Dong Hyun Lee, Fanpu Ji, Eiichi Ogawa, Yuemin Feng, Xiaoyu Xie, Mike Wei, Wanhua Ren, Chengyong Qin, Qiang Zhu and Mindie Nguyen
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1726: Increased Pre-Hepatic Insulin Levels Are Directly Related to Nash, Fibrogenesis and Fibrosis in Non Diabetic NAFLD Patients but Not in Type 2 Diabetes
Chiara Rosso, Ramy Younes, Diane Leeming, Melanie Gaggini, Signe Nielsen, Fabrizia Carli, Gian Paolo Caviglia, Maria Lorena Abate, Giorgio Maria Saracco, Antonella Olivero, Amalia Gastaldelli, Morten Karsdal and Elisabetta Bugianesi

1727: Analyze of Ballooning Biomarker in Patients with Non-Alcoholic Steatohepatitis: A Multicentre Prospective Study
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1728: Esophageal Varices in Cirrhotic Patients: Does Etiology of Cirrhosis Make a Difference?
Yousef Nassar and Peter Ellis

1729: Changes in Serum Bile Acids Concentrations and Components Associated with Reduced Skeletal Muscle Volume in NAFLD
Yoshinao Kobayashi, Yasuyuki Tamai, Akiko Eguchi, Motoh Iwasa and Yoshiyuki Takei

1730: Validation of Fractional Synthesis Rate of Plasma Lumican As a Noninvasive Marker of Fibrogenesis in Patients with Nonalcoholic Steatohepatitis (NASH)
Rohit Loomba, Eric Lawitz, Edward Gane, Peter Ruane, Jie Zhang, Lulu Wang, Guang Chen, Bryan McColgan, Chuhan Chung, Mani Subramanian, Robert Myers, Michael Middleton, Mazen Noureddin, Stephen Harrison, Kelvin Li and Marc Hellerstein

1731: Epigenetics of Nonalcoholic Fatty Liver Disease: Deregulation of Liver Acetylome Enzymes Might Explain the Molecular Link between NAFLD and Metabolic Syndrome
Carlos Pirolo, Tomas Fernandez Gianotti, Gustavo Castaño and Silvia Sookoian

1732: Anti-Acids Therapies and Advanced Fibrosis in Type-2 Diabetes and Non-Alcoholic Fatty Liver Disease
Amandeep Singh, Falgun Gosai, George Khoudari, Rocio Lopez and Naim Alkhouri

1733: Staging of Steatosis: A Study Comparing Controlled Attenuation Parameter (CAP) Scores with Liver Histology in Patients with Nash and Other Chronic Liver Diseases
Joshua Trowell, Li Liu, Yulia Savva, Anurag Maheshwari, Hwan Yoo and Paul Thuluvath

1734: Evaluation of Cytochrome P450- and Transporter-Mediated Drug-Drug Interactions with the Acetyl-CoA Carboxylase Inhibitor GS-0976 and Phenotypic Probe Substrates and Inhibitors
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1735: Extra Hepatic Manifestation of NON Alcoholic Fatty LIVER
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1736: Predictors of Nonalcoholic Steatohepatitis and Significant Fibrosis in Non-Obese Population
Won Kim, Donghee Kim, Saehyang Joo, Dong Hyeon Lee and Yong Jin Jung

1737: Potential Anti-Fibrotic Drug PBI-4050 Improves Liver Fibrosis, and Reduces Adipocyte Hypertrophy in Alström Syndrome, an Ultra-Rare Disease
Lyne Gagnon, Shanat Baig, Tarekegn Geberhiwot, Brigitte Grouix, Ramon Corpuz, Alexandra Felton, Pierre Laurin, Lindsey Foulkes, Catherine Dorion, Frank Cesari, Owen Vaughan and John Moran

1738: Diagnostic Accuracy of Non-Invasive Fibrosis Models to Detect Change in Fibrosis Stage in Nonalcoholic Fatty Liver Disease
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1739: Tropifexor in Combination with Cenicriviroc: Pharmacokinetics and Clinical Safety in Healthy Volunteers PLUS Study Design of a Phase 2B Trial in Patients with Nonalcoholic Steatohepatitis
Rowan Stringer, Jessie Gu, Marcos Pedrosa, Rañph Woessner, Surya Ayalasomayajula, Star Seydkazemi, Jin Chen, Laurent Fischer, Sujata Vaidyanathan and Quentin Anstee

1740: Epidemiology of NAFLD and Advanced Fibrosis in the French General Population: A Population-Based Cohort Study in 118,664 Subjects (NASH-CO study)
Oumarou Nabi, Karine Lacombe, Jerome Boursier, Philippe Mathurin, Victor de Ledinghen, Marcel Goldberg, Marie Zins and Lawrence Serfaty

1741: GS-0976, a Liver-Targeted Acetyl-CoA Carboxylase (ACC) Inhibitor, Reduces Plasma Acylcarnitines in Patients with Nonalcoholic Steatohepatitis (NASH)
Michael Charlton, Michelle Lai, Mazen Noureddin, Jacqueline Tarrant, Lulu Wang, Tuan Nguyen, Bryan McColgan, Chuhan Chung, Scott Patterson, Robert Myers, Parvez Mantry, Peter Ruane and Rohit Loomba

1742: Impact of Age on Diagnostic Performance of Fib-4 for Detection of Advanced Fibrosis in Nonalcoholic Fatty Liver Disease
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1743: Health Care Costs Associated with NAFLD – a Long-Term Follow up Study
Hannes Hagström, Patrik Nasr, Mattias Ekstedt, Ulf Hammar, Per Stål, Roil Hultcrantz, Stergios Kechagias and Martin Henriksson
1744: Diagnostic Effectiveness of a Clinical Prediction Model Using Serum ALT, MRI-Estimated Proton Density Fat Fraction, and MRI-Estimated Stiffness for Prediction of Fibrosis in Biopsy Proven Nonalcoholic Fatty Liver Disease
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1745: Association of Anti-Diabetic and Anti-Lipid Medications with Advanced Fibrosis in Type-2 Diabetes and Non-Alcoholic Fatty Liver Disease
Amandeep Singh, Falgun Gosai, Rocio Lopez and Naim Alkhouri

1746: RUNX1 Regulates Angiogenesis and Inflammation in the Pathogenesis of Non-Alcoholic Steatohepatitis
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1747: Weight Loss Surgery Significantly Reduces the Risk of Liver-Related Morbidity in Obese Adults with Nonalcoholic Fatty Liver Disease: A Long-Term Cohort Study
Suzanne Sharpton, Liyan Liu, Varun Saxena, Linda Herrington and Norah Terrault

1748: Comparison between NAFLD Screening Guidelines in Obese Children and Adolescents: Real Life Data from a Weight Management Program
Yamen Ezaizi, Mohammad Nasser Kabbany, Muhammad Talal Sarmini, Praveen Kumar Conjeevaram Selvakumar, Rocio Lopez, Amandeep Singh, Valerio Nobili and Naim Alkhouri

1749: Unified Interpretation of Liver Stiffness Measurement By M and XL Probes in Nonalcoholic Fatty Liver Disease Patients with Different Body Mass Index and Steatosis Grades
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1750: The Diagnostic Performance of a Simplified Blood Test (SteatoTest-2) for the Prediction of Liver Steatosis.
Thierry Poynard, Valentina Peta, Mona Munteanu, Frederic Charlotte, Yen Ngo, An Ngo, Hugo Perazzo, Olivier Deckmyr, Raluca Pais, Philippe Mathurin, Robert Myers, Rohit Loomba and Vlad Ratziu

1751: Renal Impairment in Children with Non-Alcoholic Fatty Liver Disease
Ana Catalina Arce-Clauchar, Kristin Bramlage, Stavra Xanthakos and Marialena Mouzaki

1752: Increased Severity of Nonalcoholic Fatty Liver Disease Is Correlated with the Haptoglobin 2-2 Genotype
Zhou Jingxin and Shi Junping

1753: A Lifestyle Intervention in Patients with Type 2 Diabetes Aimed to Improve Glycemic Control Also Reduces Hepatic Stiffness
Karl Björkström, Per Stål, Magnus Holmer, Bonnie Bengtsson, Annika Staal, Johan Hoffstedt and Hannes Hagström

1754: NAFLD and the Risk of Cardiovascular Disease, Extrahepatic Cancer and Chronic Kidney Disease in the French General Population: A Population-Based Cohort Study in 118,664 Subjects (NASH-CO study)
Oumarou Nabi, Karine Lacombe, Jerome Boursier, Philippe Mathurin, Victor de Ledinghen, Marcel Goldberg, Marie Zins and Lawrence Serfaty

Natsuko Kobayashi, Takashi Yamada, Hidenori Toyoda, Toshifumi Tada and Nozomi Miyake

1756: Challenges Associated with Clinical Trial Enrollment of Patients with Nonalcoholic Fatty Liver Disease
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1757: Impact of Non-Alcoholic Steatohepatitis (NASH) on Patients’ Quality of Life: Results from a Patient Preference Study
Nigel Cook, Maria-Magdalena Baló, Olivia Weiss, Sarthak Nagar, Satabdi Chatterjee, Alexandra Chirilov, Jörn Schattenberg, Andreas Schmid, Gideon Hirschfield, Achim Kautz and Andreas Geier

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1758: Adipose Tissue Derived Stromal/Stem Cells Alleviated Hepatic Fibrosis Development Induced By IL17-Mediated Stellate Cell Activation in Nash Mice.
Masatoshi Yamato, Yoshio Sakai, Hatsune Mochida, Akihito Seki, Takuya Komura, Alessandro Nasti, Kazunori Kawaguchi, Takashi Wada, Masao Honda and Shuichi Kaneko

1759: A Liver-Targeted Structurally Engineered Fatty Acid, Icosabutate, Potently Reduces Hepatic Pro-Fibrotic Gene Expression and Improves Glycemic Control in an Obese Diet-Induced Mouse Model of Nash.
David Fraser, Ditte Thorbek, Sebastian Thranne, Tore Skjaeret and Michael Feigh

1760: Beyond Sirius Red: Collagen Isoforms for Quantitative Histological Analysis of Liver Fibrosis in Preclinical Models of Diet-Induced and Biopsy-Confirmed Non-Alcoholic Steatohepatitis
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1761: Absence of Bsep Attenuates Mcd Diet Induced Hepatic Steatosis but Aggravates Inflammation in Mice
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1762: Defects in Long Chain 3-Hydroxy Acyl-CoA Dehydrogenase Leads to Hepatocellular Carcinoma: A Novel Etiology of Hepatocellular Carcinoma
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1763: Myeloid-Derived Microrna-223 Damps Nonalcoholic Steatohepatitis By Inhibiting Neutrophilic Inflammation in Mice
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1764: CM101, a Novel CCL24 Blocking Antibody, Suppresses Hepatic Injury and Fibrosis in Experimental Models of Nash and Liver Fibrosis
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1765: The NLRP3 Antagonist IFM-514 Decreases Fibrosis and Inflammation in Two Mouse Models of Non-Alcoholic Steatohepatitis (NASH)
Fernando Magdaleno Verduzco, Maximilian Brol, Frank Erhard Usschner, Robert Schienwagen, James Stunden, Ana Kitanovic, William Roush, Kate Byth, Eicke Latz and Jonel Trebicka

1766: MET409, a Potent, Non-Bile Acid Sustained FXR Agonist, Shows Rapid Disease Reversal in a Diet-Induced Obese Mouse Model of Biopsy-Confirmed Nash
Brandee Wagner, Steve Govek, Johnny Nagasawa, Karensa Douglas, Harry Dedman, Angelica Milik, Kyoung-Jin Lee, Alvaro Ortiz, Jing Qian, Nhin Lu, Xueqing Liu, Eric Bischoff, Kristoffer Voldem-Clausen, Sanne Veidal, Michael Feigh, Ken Song and Nick Smith

1767: Development of Imaging and Circulating Biomarkers for the Assessment of Hepatic Lesions in NHP Model of Nonalcoholic Steatohepatitis
Lichuan Yang, Joseph Gabriel, Jie Zheng, Guanzhong Wang, Luping Zhu, Zhenghua Zhu, Feng Li, Sifan Zha, Shaodong Li, Tony Wang, Bob Zhang and Zhiming Ding

1768: Saroglitazar Treatment Normalizes Hepatic Metabolome in a Diet-Induced Murine Model of Nash
Rebecca Caffrey, Jonathon Marioneaux, Binu Phillip, Suresh Giri, Mukul Jain, Deven Parmar, Srinivas Koduru, Andrea Vadillo, Marta Iruarrizaga-Lejarreta, Cristina Alonso and Arun Sanyal

1769: Potent Bifunctional Inhibition of Intracellular Uric Acid Production Blocks Fructose-Induced Lipogenesis, Lipid Peroxidation, and Markers of Inflammation in HepG2 Liver Cells.
Laura Sánchez Lozada, Fernando García-Arroyo, J. Juárez-Rojas, Guillermo Gonzaga and Raymond Warrell

Tomoki Kobayashi, Keishi Kanno, Akiko Sugiyama, Phuong Nguyen, Nobusuke Kishikawa, Yuichiro Otani and Susumu Tazuma

1771: Developing an Ex Vivo Non-Alcoholic Fatty Liver Disease Model Using Human Livers
Gerian Prins, Dorenda Oosterhuis, Louise Van Wijk, L Shelton and Peter Olinga

1772: GENE Expression Signatures in the LIVER of a Murine Diet-Induced Nash MODEL Closely Parallel THOSE Seen in Human Fibrotic Nash
Rebecca Caffrey, Amon Asgharpour, Srinivas Koduru, Pierre Bedossa, Jonathon Marioneaux and Arun Sanyal

1773: FXR Agonist GS-9674 Decreases Hepatic Fibrosis in a Mouse Model of Advanced Fibrosis Due to Nash
Kathy Liu, John Liles and David Breckenridge

1774: Modelling Nash for Drug Discovery Using 3D Liver Microissues
Radina Kostadinova, Simon Ströbel, Jana Rupp, Sabrina Steiert, Patrick Guye and Simon Messner

1775: The PNPLA3 I148M Variant Enhances the Disease Phenotype of Hepatic Stellate Cells in an in Vitro Model of Non-Alcoholic Fatty Liver Disease
Tomasz Kostrzewski, Paloma Maraver, Ana Levi, Kareene Smith, Krista Rombouts and David Hughes

1776: Inherited Rare Pathogenic Variants Predispose to Hepatocellular Carcinoma in Nonalcoholic Fatty Liver Disease
Serena Pelusi, Guido Baselli, Alessandro Pietrelli, Paola Dongiovanni, Benedetta Donati, Misti McCuin, Marica Meroni, Anna Ludovica Fracanzani, Renato Romagnoli, Salvatore Petta, Antonio Griege, Luca Miele, Giorgio Soardo, Elisabetta Bugianesi, Silvia Fargion, Alessio Agghem, Chao Xing, Stefano Romeo, Raafaele De Francesco, Helen Reeves and Luca Valenti

1777: The Role of Endothelin-1 Pathways in the Increased Transhepatic Pressure Gradient in a Rat Model of Severe Steatosis
Denise van der Graaff, Wilhelmus Kwanten, Joris De Man, Benedicte De Winter, Peter Michielsen and Sven Francque

1778: Hepatocyte X-Box Binding Protein 1 (XBP1) Deficiency Increases PERK Pathway Expression in Hepatocytes and Induces Hepatic Stellate Cell Activation in Mice Fed a High Fat/Sugar Diet
Xiaoying Liu, Susan Hubach, Brian LeCuyer, Zengdun Shi, Don Rockey and Richard Green

1779: Gasdermin D Stabilized By Caspase-1-Dependent Deubiquitination Involves in the Pathogenesis of Non-Alcoholic Steatohepatitis in Mice
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1780: Novel Biomarker Discovery in Non-Alcoholic Steatohepatitis (NASH): Translation of Complex Data into Clear Results
Sanne Veidal, Kristoffer Rigbolt, Pia Petersen, Malte Suppli, Jonatan Bagger, Asger Lund, Sara Heebell, Henning Grønbæk, Tina Vlismøl, Filip Knop, Niels Vrang and Jacob Jelsing

1781: Fibroblast Growth Factor 21 (FGF21) in NAFLD: From a Biomarker to a Therapeutic Target.

1782: The Effects of Pnakctide & Exercise on the Gut-Microbiota Communities in the Diet-Induced Nash Murine MODEL.
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1783: Palmitate Induces DNA Damage Response Dependent on Oxidative Stress and Caspases in Hepatocytes
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1784: Decreased L-Methionine / L-Tyrosine in Portal Blood Induces Endoplasmic Reticulum (ER) Stress to Hepatocytes Via the Suppression of Lipid Secretion in Non-Alcoholic Fatty Liver Disease (NAFLD)
Akitoshi Sano, Eiji Kakazu, Tatsuki Morosawa, Jun Inoue, Masashi Ninomiya, Tomoaki Iwata, Satoshi Takai, Takuya Nakamura, Tooru Shimosegawa and Atsushi Masamune

1785: Diamond™ Mouse Model Displays Features of Diabetic Kidney Disease in Addition to Nash Murine MODEL.
Jolanta Kowalewska, Jonathon Marioneaux, Pierre Bedossa, Arun Sanyal and Rebecca Caffrey

1786: WITHDRAWN

1787: Effect of Diet and Aging in Adipose Tissue and Liver Inflammation in Diamond™ Mouse Model of Nash
Anca Dobrian, Ryan Huyck, Jonathon Marioneaux, Srinivas Koduru, Arun Sanyal and Rebecca Caffrey

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1789: Effect of combined farnesoid X receptor agonist and angiotensin II type 1 receptor blocker on established liver fibrosis in rats.
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1790: Phosphoproteomic Analysis of Murine Hepatocytes Reveals Novel Targets of Hepatic Glucagon Action
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1791: Administration of Branched-Chain Amino Acid Reduces Hepatic Fat Accumulation By Intestinal Microbiota-Induced Acetic Acid Production
Masao Iwao, Koro Goto, Koichi Honda, Masatake Seike, Kazunari Murakami and Hirotaka Shibata

1792: Sanglifehrin-Based Cyclophilin Inhibitor NV556 Reduces Fibrosis and Hepatocellular Carcinoma (HCC) Development in a Preclinical Murine Model of Non-Alcoholic Steatohepatitis (NASH)
Joseph Kuo, Michael Bobardt, Udayan Chatterji, Sonia Simon Serrano, Steven Moss, Matthew Gregory, Alvar Grönberg, Magnus Hansson and Philippe Gallay

1793: A Novel Non-Lethal Technique for Serial Measurement of “Leaky Gut” and Relationship to Nash Liver Pathology in the Diamond™ Mouse Model
Jonathon Marioneaux, Debbie Mayo, Mike Mostert and Rebecca Caffrey

1794: Mitochondria Ferritin Induces Mitophagy Under Iron Deficient Condition
Koji Hara, Atsushi Tanaka, Izumi Yanatori, Kyo Sasaki, Sohji Nishina and Keisuke Hino

1795: GENE Expression Patterns in Proteolysis and ECM Remodelling Process Networks Correlate with Improvement in Nash Fibrosis with Saroglitazar Treatment
Rebecca Caffrey, Srinivas Koduru, Jonathon Marioneaux, Binu Phillip, Suresh Girl, Mukul Jain, Deven Parmar and Arun Sanyal

1796: Plasma PCSK9 Levels Are Increased in Murine Diet-Induced Obesity and Amylin Liver Non-Alcoholic Steatohepatitis (NASH) Models and Are Differentially Impacted By Hepatic DGAT2 or ACC Inhibition
Jenson Qi, Sheng-Ping Wang, Katharine D’Aquino, Wensheng Lang, Meng Rong, Wenyu Li, Gee-Hong Kuo, Gary Caldwell, Andrea Nawrocki, Alessandro Pocai and Seunghun Lee

1797: ST001 Treatment Successfully Ameliorates Progression of Nash with Anti-Fibrotic Effects in Diamond™ Mouse Model
Manohar Katakam, Arthur Schwartz, Bo Allen, Pierre Bedossa, Jonathon Marioneaux, Rebecca Caffrey and Arun Sanyal

1798: Bergamot Polyphenols Revert Inflammation and Sinusoidal Fibrosis in Experimental Nonalcoholic Steatohepatitis
Vincenzo Musolino

1799: Feasibility, Safety, and Stability of Pre-Study and Repeated Liver Biopsy for Preclinical Non-Alcoholic Fatty Liver Study (RBC model)
Mimi Kim, Daesoon Jun, Joo Hyun Sohn, Hyun Woo Oh, Jae Yoon Jeong, Hye Young Lee, Sang Bong Ahn, Bo-Kyeong Kang, Jaeha Kim, Jin Hwa Park, Dong Hee Koh and Byung Chul Yoon

1800: Effects of a Single Fast Food Binge on Hepatic Steatosis, Bile Acid Metabolism, and Cytokine Profiles
Svenja Sydor, Chiara Wenning, Sophia Assmuth, Insa Messerschmidt, Jan Best, Han Moshage, Klaas Nico Faber, Guido Gerken, All Canbay and Lars Bechmann
1801: Elucidation of the Type of Cell Death at the Onset of Non-Alcoholic Steatohepatitis (NASH)
Shinya Tsurusaki, Michitaka Matsuda, Shigeo Shimizu, Hiroyasu Nakano, Atsushi Miyajima and Minoru Tanaka

1802: Gemcabene Regulates Hepatic Genes Associated with Inflammation and Fibrosis with Impact on Non-Alcoholic Fatty Liver Disease
Daniela Oniciu, Rai Ajit Srivastava and Charles Bisaigaer

1803: ALDH2 and the TGF-β/SMAD3 Adaptor, Sptbn1 Suppress Hepatic Steatosis and Obesity
Shuyun Rao, Sobia Zaidi, Wilma Jogunoori, Shoujun Gu, Jon White, Bibhuti Mishra, Chu-Xia Deng, Patricia Latham and Lopa Mishra

1804: Assessment of Percent Hepatic Fat Determined By Morphometry May Provide More Specific Information in the Inflammatory Signaling Associated with Non-Alcoholic Fatty Liver Disease (NAFLD).

1805: High Fat Diet Leads to Alterations of Hepatic Lipid and Amyloid β Metabolism in the 3xTg-AD Mouse Model of Alzheimer’s Disease
Cristina Bosoi, Milene Vandal, Marine Tournissac, Hortense Fanet, Jessica Virgili, Robert Lippman, Jasmohan Bajaj, Andre Marette and Frederic Calon

1806: Aging-Dependent Alterations in Hepatic Fatty Acid Metabolism Exacerbate Murine Dietary Steatohepatitis through Enhancing Lipotoxicity
Kei Ishizuka, Kazuyoshi Kon, Kumiko Arai, Akira Uchiyama, Tomonori Aoyama, Shunhei Yamashina and Kenichi Ikejima

1807: Protective Effect of Metformin Against Palmitic Acid-Induced Hepatic Cell Death
Yana Geng, Alejandra Hernandez, Manon Buist-Homan, Hans Blokzijl, Klaas Nico Faber and Han Moshage

1808: Histidine Concentrations in NAFLD Increases with the Progression of the Disease, Biological Significance and Possible Correlations with Copper Metabolism Derangements. a Metabolomic Study in Humans
Mario Masarone, Simona Tavolaro, Cristiana Porcu, Andrea Aglitti, Marcello Persico and Clara Balsano

1809: Combination of Geniposide and Chlorogenic Acid Improves Hepatic Fat Deposits in NAFLD By Activating Hepatic GLP-1R in vivo and in vitro
Cheng Chen, Sheng Meng, Qian Liu, Xin Xin, Yue Jing, Jing Peng, Yu Zhao, Yi Hu and Feng Qin

1810: PBI-4547 Reverses Nash and Inhibits White Adipose Tissue Fibrosis in a High-Fat Diet Mouse Model
Alexandre Laverdure, Brigitte Grouix, Mikael Tremblay, Francois Sarra-Bourne, Alexandre Felton, Jonathan Richard, Liette Gervais, Pierre Laurin and Lyne Gagnon

1811: Dietary Wheat Amylase Trypsin Inhibitors Worsen Chronic Liver Disease in Pre-Clinical Models of Nash and Liver Fibrosis
Muhammad Ashfaq Khan, Misbah Aslam, Marcel Senkowski, Muhammad Qureshi, Shih Weng, Yong Ook Kim, Jörn Schattenberg and Detlef Schuppan

1812: Hepatocyte-Specific Ppary Contributes to Diet-Induced Steatosis and May Lead to Non-Alcoholic Steatohepatitis (NASH)
Danielle Pins, Apoorva Tummala, Gregory Norris and Jose Cordoba Chacon

1813: Sonic Hedgehog (SHH) Signal in Non-Alcoholic Steatohepatitis (NASH) Patients with Cirrhosis Is Dynamic and Correlates with Mollery-Denk Bodies

1814: L-Carnitine Supplementation Improves Fast Skeletal Muscle Atrophy in Conjunction with Hepatic Steatosis Caused By High-Fat Diet
Kazuyoshi Kon, Kei Ishizuka, Kumiko Arai, Akira Uchiyama, Tomonori Aoyama, Shunhei Yamashina and Kenichi Ikejima

1815: Preserved De Novo Lipogenesis in Livers Devoid of Mitochondria Citrate Transporter
Mingjian Lu, Cynthia Pinkus, Maria Serna, Enida Qejvanaj, Nicholas Vera, Zhongyuan Sun, Gang Xing, Michele Ciasquin and Kendra Bence

1816: The Influence of Different Fat Sources on Steatohepatitis and Fibrosis Development in the Western Diet Mouse Model of Non-Alcoholic Steatohepatitis (NASH)
Hannah Drescher, Ralf Weiskirchen, Rene Tolba, Christian Trautwein and Daniela Kroy

1817: Severity of Non-Alcoholic Liver Disease (NAFLD) As Assessed By Percent Collagen Deposition With Morphometry Shows a Gender-Specific Pattern of Serum Cytokine Expression.

1818: Chemical Hypoxia Determines Extracellular Vesicles Release from Fat-Laden Hepatocytes and Cellular Crosstalk with Hepatic Stellate Cells
Alejandra Hernandez, Yana Geng, Daniel Cabrera, Nancy Solis, Francisco Barrera, Han Moshage and Marco Arrese

1819: Levocarnitine Improves Liver Histology and the Development of Hepatocellular Carcinoma in the Atherogenic High-Fat Diet Nash-HCC Mouse Model
Hikari Okada, Masao Honda, Sunakozaka Hajime and Shuichi Kaneko
Poster Sessions

1820: Differential DNA Methylation As a Potential Biomarker for Stratification of Liver Fibrosis in Patients with Non-Alcoholic Fatty Liver Disease
Yu Rim Lee, Eunhye Lee, Soo Young Park, Hur Keun, Se Young Jang, Won Young Tak, Young Oh Kweon, Gyun Eun Kang, Jong Won Seo, Jung Gil Park and Hye Won Lee

1821: The Novel Insulin-Sensitizer Msdc-0602K Alters Plasma Micrornas in a Mouse Model of Nash
Brian Finck, Scot Matkovich, Jerry Colca and Kyle McCommis

1827C: Manipulation of the a-CGRP Neuroendocrine Axis Pathway Reduces Biliary Proliferation and Hepatic Steatosis in the High Fat Diet Mouse Model
April O'Brien, Konstantina Kyritsi, Lixian Chen, Tori White, Juliet Venter, Michelle Robbins, Jennifer Okoro, Fanyin Meng, Gianfranco Alpini and Shannon Glaser

1827D: Phenylbenzamides of the Niclosamide Chemotype Reverse Fatty Liver Disease and Improve Liver Metabolomic Signatures in the Murine C57-Diet-Induced Obesity Model.
Fang Kuan Chiou, Christina Ong and Kong Boo Phua

1827F: Totum-63 Reduces Hepatic Steatosis in Diet-Induced Obese Mice.
Sarah Compton, David Musso, Christopher Laudeman, Jay Brenman and Jonathan Sexton

1827G: Upregulation of Non-Canonical Wnt Ligands and Oxidative Glucose Metabolism in Nash Induced By Methionine-Choline Deficient (MCD) Diet

Pediatric Hepatology

1828: Investigating Hepatoblastoma Tumorigenesis in a Murine Model Driven By YAP and β-Catenin
Laura Molina, Qian Min, Junyan Tao, Sarangarajan Ranganathan and Paul Monga

1829: Risk Factors Associated with the First Variceal Haemorrhage Following Kasai Portoenterostomy in Children with Biliary Atresia
Fang Kuan Chiou, Christina Ong and Kong Boo Phua

1830: Causal Molecular Networks Underlying Activation but Not Expansion of Resident Liver Progenitor Cells in Acetaminophen (APAP) Induced Acute Liver Failure (ALF)
Preeti Viswanathan, Nicole Pattamanuch, Yogeshwar Sharma, Tatjana Tchaikovskaya and Sanjeev Gupta

1831: The Relationship between Chronic Hepatitis B Infection and Fatty Liver Disease in Pediatric Population
Jingmin Zhao, Lu Wang, Guangde Zhou and Lu Fengmin

1827A: Elevated Serum Endotoxins Increase Inflammation Via iNOS and Cox-2 in Non-Alcoholic Fatty Liver Disease Patients
Kishor Pant, Kanav Kaushal, Md Musa Hossain, Pooja Goswami, Anoop Saraya and Senthil Venugopal

1827B: A Novel Gubra Amylin Nash (GAN) Diet-Induced Ob/Ob Mouse Model of Biopsy-Confirmed Non-Alcoholic Steatohepatitis
Henrik B. Hansen, Michelle Boland, Denise Orò, Kirstine Tølbøl, Martin Ilemann, Sanne Veidal, Michael Feigh, Jacob Jelsing, Niels Vrang and James Treviskis

1827E: Withdrawn

1827F: Totum-63 Reduces Hepatic Steatosis in Diet-Induced Obese Mice.
Sarah Compton, David Musso, Christopher Laudeman, Jay Brenman and Jonathan Sexton

1827G: Upregulation of Non-Canonical Wnt Ligands and Oxidative Glucose Metabolism in Nash Induced By Methionine-Choline Deficient (MCD) Diet
Poster Sessions

1834: Variability in Diagnostic and Therapeutic Strategies for Pediatric Primary Sclerosing Cholangitis between Centers in the Pediatric PSC Consortium

1835: Circulating Interleukin 10 (IL10) and MIP-3alpha (CCL20) Segregates Liver Disease from Transient Elevation of Liver Enzymes in a Discovery Cohort of Pediatric Ulcerative Colitis – Analysis from the Protect Study.
Simon Lam, James Squires, Michael Rosen, Weihe Su, Lin Fei, Wujuan Zhang, Kenneth Setchell, Lee Denson, Jeffery Hyams and Alexander Miethe

1836: Transjugular Versus Percutaneous Liver Biopsy in Children: Indication, Success, Yield and Complications
Anshu Srivastava, Durga Prasad, Ipsita Panda, Rajanikanth Yadav, Manoj Jain, Monik Sarma, Raghunandan Prasad, Ujjal Poddar and Surender Yachha

1837: Measurement of Liver and Spleen Stiffness to Detect Esophageal Varices in Children with Biliary Atresia
Paulliya Sintusek, Yong Poovorawan, Voranush Chongsrisawat and Nipaporn Siripon

1838: Circulating FGF19 Decreases in Children with Biliary Atresia Following Kasai Portocenterostomy
Helene Johannson, Jan Svensson, Markus Almström, Greg Nowak, Björn Fischler and Ewa Ellis

1839: Biliary Atresia Specific Human iPSCs Exhibit Altered Biliary Differentiation and Increased Fibrosis
Yoon-Young Jang, Kathleen Schwarz, Zhaohui Ye, Lipeng Tian and Robert Anders

1840: Factors Impacting Delayed Diagnosis of Neonatal Cholestasis & Biliary Atresia
Amit Shah, Dylan Small, Scott Lorch and Henry Lin

1841: A Web-Based Survey of Itch Severity after Surgical Treatment of Progressive Familial Intrahepatic Cholestasis in Children and Adolescents
Karen Yee, Olga Moshkovich, Samuel Llewellyn, Katy Benjamin and Nirav Desai

1842: Pediatric Acute-on-Chronic Liver Failure: A Single Center Experience.
Anna Banc-Husu, Katie Neighbors, Saeed Mohammad and Estella Alonso

1843: Quantitative Liver Fibrosis Using CHP As a Predictor of Native Liver Survival in Biliary Atresia: A Pilot Study
Catalina Jaramillo, M. Jensen, Amy Lowichik, Gregory Stoddard, Yang Li and Stephen Guthery

★1844: Sofosbuvir + Ribavirin for 12 or 24 Weeks Is Safe and Effective in Children 3 to <12 Years Old with Genotype 2 or Genotype 3 Chronic Hepatitis C Infection

1845: Morphometric Quantification of Hepatic Collagen Content Predicts Liver Fibrosis Stage and Portal Hypertension in Pediatric Autoimmune Liver Disease
Amy Taylor, J. Kofron, Rachel Sheridan, Ruchi Singh, Simon Lam, Jonathan Dillman, Andrew Trout, Suraj Serai, Burns Blaxall, Lin Fei and Alexander Miethe

1846: Long-Term Follow-up of Growth Parameters of Children with Maternal Tenofuvir Treatment during Pregnancy
Huey-Ling Chen, Wan-Hsin Wen, Jia-Feng Wu, Yen-Hsuan Ni, Chien-Nan Lee, Lu Zhao, Ming-Wei Lai, Shu-Chi Mu, Hong-Yuan Hsu and Mei-Hwei Chang

★1847: The Natural Course of FIC1 Deficiency: Results from the Napped-Consortium

1848: Development of Human Ornithine Transcarbamylase Deficiency Model Using cDNA-Ura/SCID Chimeric Mice with Patient Hepatocytes
Chise Tateno, Go Sugawara, Chihiro Yamasaki, Ami Yanagi, Kazuaki Nakamura, Shin Enosawa and Yuji Ishida

1849: Hepatocellular Carcinoma in Children: Survival Differences Based on Presence of Predisposing Conditions
Elizabeth Cowell, Kalyani Patel, Andras Hezcey, Rajkumar Venkatramani, Hao Wu, Milton Finegold, Dolores Lopez-Terrada and Tamir Miloh

1850: Aarc-Aclf Score: Best Predictor of Outcome in Children and Adolescents with Decompensated Wilson's Disease
Seema Alam, Vikrant Sood, Rajeev Khanna, Bikrant Lal and Vikrant Sood

1851: Comparison of Controlled Attenuation Parameter and Liver Biopsy to Assess Hepatic Steatosis in Children and Young Adults with Nonalcoholic Fatty Liver Disease
Denis Nguyen, Paul Mitchell, Maureen Jonas and Christine Lee

★ Denotes AASLD Presidential Poster of Distinction
★☆ Denotes AASLD Foundation Abstract Award Recipient
1852: Multi-Organ Effects of Obstructive Sleep Apnea
Anjali Rai, Sanghun Sin, Keivan Shifteh, Victoria Chernyak, Carmen Isasi, Bryan Rudolph, Nadia Ovchinsky and Ranaan Arens

1853: Intracranial Hypertension and Papilloedema in a Large Cohort of Pediatric Alagille Syndrome.
Nathalie Rock, Tanguy Demaret, Xavier Stephenne, Isabelle Scheers, Françoise Smets, Valerie McLin, Antonella Boschi and Etienne Sokal

1853A: The Role of Kinase Fusion DNAJB1-Prkaca in Fibrolamellar Hepatocellular Carcinoma
Cassandra Kersten, Bing Shui, Robert Plummer, Lixia Guo, Angela Gregor, Yanan Yang, Michael Torbenson, Ying Peng and Yi Guo

1853B: Presentation, Treatment Response and Impact on Growth in Pediatric Autoimmune Hepatitis: A Single-Center Experience
Silvia Nastasio, Paul Mitchell, Alyaa Al-Ibraheemi, Scott Elisofon, Christine Lee, Maureen Jonas and Rima Fawaz

Signal Transduction and Nuclear Receptors

1854: Xenobiotic-Sensing Nuclear Receptors Regulate Bile Acid Homeostasis in a Gut Microbiota-Dependent Manner
Joseph Dempsey, Dongfang Wang, Gunseli Siginir, Qiang Fei, Haiwei Gu and Julia Yue Cui

1855: Homeostatic Level of Nuclear Receptor Co-Repressor 1 through Selective Autophagy Is Critical for Lipid Synthesis and Subsequent Liver Regeneration after Hepatectomy
Shun-saku Takahashi, Tetsuya Saito, Shuji Terai and Masaaki Komatsu

1856: CD44 Controls NOTCH Signaling in Hepatocellular Carcinoma
Debanjan Dhar, Souradipta Ganguly, Stefano Caruso, Gabriel Karin, Daniel Karin, Tatiana Kisseleva, David Brenner, Jessica Zucman-Rossi and Michael Karin

1857: Starvation Coordinates Hepatic Heme Biosynthesis and Signaling to Optimize Gluconeogenesis
Ting Li, Kenneth Koch, Donald Mcclain and Herbert Bonkovsky

1858: Distinct Roles of YAP and TAZ during Oncogene-Driven Liver Tumor Development
Haichuan Wang, Xin Chen and Jie Zhang

1859: Pre-Existing Hepatocytes Adopt a Unique Phenotype and Drive Maternal Liver Growth without Activation of Hippo/YAP Signaling during Pregnancy
Shashank Nambiar, Joonyong Lee, Veronica Garcia, Huaizhou Jiang and Guoli Dai

1860: Microrna-206 Facilitates LDL/VLDL Uptake and Reverse Cholesterol Transport and Inhibits Synthesis of Triglycerides and Cholesterol By Modulating LXR Signaling Pathway
Guisheng Song, Ningning Liu, Clifford Steer and Junqi Niu

1861: WITHDRAWN

1862: Hepatic Super-Enhancer Cistrome Reveals LRH1-Driven Transcription Factor Circuity for Hepatocyte Identity
Min Sung Joo and Sang Geon Kim

1863: Targeting Liver Cancer Lipid Metabolism By Nuclear Receptor CAR Inverse Agonist
Bingning Dong, Nan Wu, Takahiro Kodama and David Moore

1864: Uncovering a New Role for Hepatic Fxr-Shp Axis in Sugar-Coating Proteins
Bhoomika Mathur, Waqar Arif, Qiushi Chen, Asif Shahjahan, Auinash Kalsotra, Parastoo Azadi and Sayeepriyadarshini Anakk

1865: Induction of Ascl1 in Maternal Liver Ensures a Healthy Pregnancy
Joonyong Lee, Shashank Nambiar, Veronica Garcia, Huaizhou Jiang and Guoli Dai

1866: FXR and TGR5 Double Knockout Mice: A Mouse Model for Liver Fibrosis
Jessica Ferrell, Preeti Pathak, Shannon Boehme and John Chiang

1867: The Impact of TNF-α-Induced Non-Apoptotic Cell Death on Hepatocarcinogenesis Related with Continuous Hepatocyte Apoptosis
Yoshinobu Saito, Hayato Hikita, Yasutoshi Nozaki, Yuki Makino, Tasaku Nakabori, Minoru Shigekawa, Takahiro Kodama, Ryotaro Sakamori, Tomohide Tatsumi and Tetsuo Takehara

1868: Hepatocyte-Specific Deletion of the Mitogen-Activated Protein Kinase ERK5 Regulates Liver Regeneration in Mice.
Giovanni Di Maira, Benedetta Plombanti, Andrea Lombardo, Mariena Fazi, Carmen Berasain, Matias Avila and Fabio Marra

1869: Environmental Pollutant Polychlorinated Biphenyls Regulate Nuclear Receptors and Other Transcription Factors Influencing the Hepatic Proteome
Hongxue Shi, Josiah Hardesty, Jian Jin, Cameron Falkner, Michael Merchant, Russell Prough and Matthew Cave

1870: Differential Roles for Hepatic Glucuronidation and Sulfonation in Controlling Cerebrosterol Activity.
Valérie Brousseau, Eva Rettenmeier, Mélanie Verreault, Jocelyn Trottier, Shujuan Chen, Robert Tukey and Olivier Barbier

1871: Alterations in the Metabolome of Atp7b-/- Mice
Clavia Wooton-Kee and David Moore

1872: Determination of the Epidermal Growth Factor-Responsive Phosphoproteome in Liver: Implications for NAFLD and Environmental Liver Disease
Josiah Hardesty, Banrida Wahlang, Hongxue Shi, Jian Jin, Cameron Falkner, Daniel Wilkey, Michael Merchant, Russell Prough and Matthew Cave

1873: The Homeostasis Imbalance of Autophagy in Acute-on-Chronic Liver Failure Patients Caused By Acute Exacerbation of Chronic Hepatitis B
Xiangying Zhang and Feng Ren
Poster Sessions

1874: Overexpression of Augmenter of Liver Regeneration Modulates Cell Proliferation in Hepatic Cells Via miRNA-26a and Akt/Cyclin D1 Pathway
Parul Gupta, Naushad Khan and Senthil Venugopal

1874A: Delta133p53, One of the p53 Isoforms, Suppresses Tumor Cell Proliferation and Induces Cellular Senescence in Hepatocellular Carcinoma Cells
Haruhisa Nakao, Akinobu Ota, Mayu Ibusuki, Rena Kitano, Tadahisa Inoue, Yuju Kobayashi, Tomohiko Ohashi, Yukiomi Nakade, Yoshio Sumida, Kiyoaki Ito and Masashi Yoneda

Stem Cell Biology

★1875: Wnt/β-Catenin Signal Regulates the Expansion of SOX9+ Tumor Initiating Cells (TICs) during Liver Cancer Development
Jingyu Chen, Ni Zeng, Anketse Debebe, Lina He, Chien-Yu Chen and Bangyan Stiles

1876: Whole Bone Marrow Cell-Derived Extracellular Vesicles Improve Therapeutic Effects of Bone Marrow-Derived Mesenchymal Stem Cells on Rat Carbon Tetrachloride-Induced Cirrhotic Livers
Takashi Miyaji, Taro Takami, Koichi Fujisawa, Toshihiko Matsumoto and Isao Sakaida

1877: Identification of Hepatic Stem Cell Niche By Label Retaining Cell Assay in Fetal and Neonatal Mice
Reiichiro Kuwahara, Neil Theise and Takuji Torimura

1878: Development of Primary and Pluripotent Stem Cell Derived Multicellular Human Hepatic Spheroids Reveals Complex Intercellular Interactions and Disease Phenotypes
Jiwoon Park, Duc Nguyen, Yaron Bram and Robert Schwartz

1879: Direct Infusion of Cultured Autologous Bone Marrow-Derived Mesenchymal Stem Cells Offers Higher Therapeutic Efficacy Than Conventional Peripheral Infusion in Liver Fibrosis Animal Models
Ryo Sasaki, Taro Takami, Tatsuro Nishimura, Koichi Fujisawa, Toshihiko Matsumoto, Naoki Yamamoto and Isao Sakaida

Yoshiro Asahina, Taro Yamashita, Hajime Takatori, Hikari Okada, Kouki Nio, Tomoyuki Hayashi, Takehiro Hayashi, Tomomi Hashiba, Tsuyoshi Suda, Masaki Nishitani, Saiho Sugimoto, Masao Honda and Shuichi Kaneko

★ Denotes AASLD Presidential Poster of Distinction  228A  ★ Denotes AASLD Foundation Abstract Award Recipient
Poster Sessions

Poster Session IV
Monday, November 12

POSTER VIEWING: 8:00 AM – 5:30 PM
Hall C - Poster Hall

Presenters in Attendance 12:30 – 2:00 PM

★ Those posters with a star icon are identified as AASLD Presidential Posters of Distinction, which have received review scores that place them within the top 10 percent of all posters.

★ Those identified with a ribbon icon have been selected as an AASLD Foundation Abstract Award recipient.

We encourage you to make these posters a priority as you visit the poster sessions.

Advanced Practice Providers

1881: High Patient and Provider Satisfaction with a Novel Nursing Assessment and Triage Clinic for Abnormal ALT
Tracy Davyduke, Michelle Carbonneau, Juan Abraldes, Puneeta Tandon and Mang Ma

1882: Utilization of Nurse Practitioner in a Transitional Care Model to Decrease Hospital Readmission in Patients with Advanced Liver Disease: A Quality Improvement Initiative
Samuel Dekoven, Hemiant Shah, Elizabeth Lee and Colina Yim

1883: An Online Toolkit to Improve Primary Care Nurse Practitioner Awareness of NON-Alcoholic Fatty LIVER Disease in Adults
Kelly Bosak and Kelly Casler

1884: The Role of Self-Perception of Body Image in the Management of Fatty Liver Disease
Anna Hefner, Katherine Hall, Renee Pozza, Catherine Hill, Noha Abdelgeil, Fatma Barakat and Tarek Hassanein

★ 1885: Developing a Hospital Discharge Program to Increase Linkage to Care and Decrease Readmission Rates in Cirrhotic Patients
Summer Collier, Lucas Hill, Marлина Mansour, Jeffrey Yin, Annie Han, Barbara Andrews, Robin Soto, Ricki Bettencourt, Katharine Roberts, Lien Le, Ariela Holmer, Kathy Smith, Claudia Stein, Jill Valenzuela and Rohit Loomba

1886: From Guidelines to Uniform Pan-Healthcare Professional Practice: Development of an International Consensus Care Pathway for the Diagnosis and Management of Primary Biliary Cholangitis
Gideon Hirschfield, Marco Carbone, Helena Cortez-Pinto, Guilherme Macedo, Victor de Ledinghen, Olivier Chazouilleres and Femi Adekunle

1887: Expanding Hepatitis C Virus Care and Cure: National Experience Using a Clinical Pharmacist-Driven Model
David Koren, Autumn Zuckerman, Robyn Teply, Nadia Nabulsi, Todd Lee and Michelle Martin

1888: Hepatitis C Treatment: Is Insurance Denial the End of the Road?
Amber Sievin, Teresa Romano, Elizabeth Pieper, Samara Theppanya, Timothy Hinkley and Kama Thomas

1889: Cognitive Performance in Individuals with Non-Alcoholic Fatty Liver Disease and/or Type 2 Diabetes Mellitus

1890: The Role of Telehealth to Overcome Geographic Disparities in Liver Transplantation within the Veteran Health Administration
HoChong Gilles, Anthony Loria, Jasmohan Bajaj, Puneet Puri, Binu John and Michael Fuchs

1891: Role of Palliative Care Concepts in Liver Disease: A Significant Practice Issue
Renee Pozza, Bonita Huiskes, Anna Hefner, Katherine Hall, Catherine Hill and Tarek Hassanein

1892: Title: Role of Palliative Care Concepts in Liver Disease: A Significant Practice Issue
Renee Pozza, Bonita Huiskes, Anna Hefner, Katherine Hall, Catherine Hill and Tarek Hassanein

1893: Laboratory Ordering for Hospitalized Patients on a Liver Transplant Service
Amanda Chaney

1894: Performance Outcomes in Ischemic Cardiac Disease (ICD) Patients Referred for Cardiac Rehabilitation (CR) Were Not Negatively Impacted By Non-Alcoholic Fatty Liver Disease (NAFLD)
Jillian Price, Patrick Austin, Carey Escheik, Shruthi Prabhakar, Rose Srishord, Henry Tran, Carla Porter, Lynn Gerber and Zobair Younossi

1895: Patients with Fatty Liver Disease Suffer from Undiagnosed Depression
Anna Hefner, Katherine Hall, Renee Pozza, Catherine Hill, Noha Abdelgeil, Fatma Barakat and Tarek Hassanein

Cholestatic and Autoimmune Liver Diseases

★1896: Validation of the Amsterdam-Oxford Survival Prediction Model in Primary Sclerosing Cholangitis in a Tertiary Center Setting
Jorn Goet, Annarosa Floreani, Xavier Verhelst, Nora Cazzagon, Lisa Perini, Willem Lammers, Adriaan Van Der Meer, Annemarie De Vries, Henk van Buuren and Bettina Hansen

★1897: Concentration of Biliary Extracellular Vesicles Discriminates between Dominant Strictures in Primary Sclerosing Cholangitis and Cholangiocellular Carcinoma
Thomas Worst, Karl Heinz Weiss, Benjamin Göpertz, Peter Schirmacher, Daniel Gotthardt, Peter Sauer and Christian Rupp
Poster Sessions

**1898: Safety and Efficacy of Seladelpar in Primary Biliary Cholangitis Patients with Cirrhosis**  
Christopher Bowles, Gideon Hirschfeld, Bruce Bacon, Michael Galambos, Stephen Harrison, Joseph Odin, Gianni Amato, Alexandra Steinberg, Scott Rosenbusch, Sandrin Bergeheau and Pol Boudes

**1899: A Comparative Transcriptomic Analysis of the Colonic Mucosa in PSC-UC Reveals Relevant Distinctions in Biology**  
Mohammed Quraishi, Animesh Acharjee, Andrew Beggs, Richard Horniblow, Amanda Rossiter, Chris Tselepis, Subrata Ghosh, Georgios Gkoutus, David Withers, D'Aoust, Alexandra Steinberg, Scott Rosenbusch, Sandrin Bergheanu and Gideon Hirschfeld

**1900: Impact of Geographical Region on Death or Transplantation and on Malignancy in Primary Sclerosing Cholangitis – a Multicenter Retrospective Study of the International PSC Study Group (IPSCSG)**  
Tobias Weismüller, Aliya Gulamhusein, Palak Trivedi, Annika Bergquist, Brian Juran, Cyriel Ponsioen, Atsushi Tanaka, Christian Rupp, Martti Farrakila, Alejandra Villamil, Hanns-Ulrich Marschall, Douglas Thorburn, Hendrike Lenzen, Trine Folsøraas, Rinse Weersma, Johan Feyer, Tobias Müller, Olivier Chazouilleres, Sven Almer, Stephen Pereira, Cynthia Levy, Ethud Zigmond, Xiong Ma, Andrew Mason, Christopher Bowles, Annarosa Floriani, Emina Hallilusic, Kidist Yimam, Piotr Milkiewicz, Ulrich Beuers, Dep Huynh, Albert Pares, Christine Manser, Sunil Taneja, George Dalekos, Bertus Eksteen, Pietro Invernizzi, Christoph Berg, Gabi Kirchner, Konstantinos Lazaridis, Michael Trauner, Christian Strassburg, Gideon Hirschfeld, Christoph Schramm, Michael Manns, Bettina Hansen and Kirsten Boberg

**1901: Bile-Derived Organoids from PSC Patients Recapitulate the Inflammatory Immune Profile Seen in Cholangiopathies, Providing an in Vitro Model to Test Candidate Therapeutic Agents.**  
Carol Soroka, David Assis, Leina Airabadi, Scott Roberts, Laura Cusack, Marina Silveira and James Boyer

**1902: Cerebral Oxygenation and Neurovascular Coupling, As Measured By Near Infrared Spectroscopy (NIRS), Are Significantly Altered in Patients with Primary Biliary Cholangitis (PBC).**  
Chris Duszynski, Vince Avati, Felix Scholkmann, Jeff Dunn and Mark Swain

**1903: Primary Sclerosing Cholangitis Is Characterised By Altered Microbiota of the Bile Fluid Associated to an Altered Bile Acid Composition: Results of a Prospective Single Centre Study**  
Timur Liwinski, Roman Zenouzi, Clara John, Hanno Ehiken, Malte C. Rühlemann, Corinna Bang, Femke A. Heinsen, Marcus Kantowski, Stefan Groth, Guido Schachschal, Thomas Rösch, Ansgar Lohse, Jörg Heeren, Andre Franke and Christoph Schramm

**1904: Long-Term Administration of Smoflipid Prevents and Stabilizes Intestinal Failure Associated Liver Disease (IFALD): A Quebec Experience**  
Dane Christina Daoud, Maxime Gosselin, Alissa Chehade, Louise D'Aoust, Catherine Vincent, Mickael Bouin, Michel Lemoyn, Myriam Dumas-Campagna and Genevieve Huard

**1905: The Novel Anti-Hexokinase 1 (HK1) Antibodies Are Associated with Poor Prognosis in Patients with Primary Biliary Cholangitis**  
Anna Reig, Mila Garcia, Zakera Shums, Silvia Ruiz-Gaspa, Jay Milo, Susan Encabo, Chelsea Bentow, Michael Mahler, Maria Antonia Romera, Odette Viñals, Gary Norman and Albert Pares

**1906: Does the Beneficial Antipruritic Effect of Bezafibrate in Primary Biliary Cholangitis Depend on Autotaxin Activity?**  
Andreas Kremer, Aline Le Cleach, Katharina Wolf, Olivier Chazouilleres, Sara Lemoine, Luc De Chaisemartin, Sylvie Chollet-Martin, Lydie Humbert, Dominique Ranteau, Raoul Poupon, Alexandra Rousseau and Christophe Corpechot

**1907: LIVER Stiffness Measurement (LSM) By 2D-Shear Wave Elastography (2D-SWE) in Patients with Primary Biliary Cholangitis (PBC): Correlation with Histology**  
Emanuel Manesis, Maria Schina, Irene Vafiadis, Ilia Gatos, John Theotokas, Pavlos Zoumpoulis, Ioanna Delladetsima and Dina Tiniakos

**1908: Racial Impact on Liver Transplant Recipients for Primary Sclerosing Cholangitis: A 16 Year Experience.**  
Payal Patel, Omar Mousa, Elizabeth Lesser, Surakit Pungpapong, Kristopher Crome and Denise Harrois

**1909: Alkaline Phosphatase Normalization Is Associated with a Decreased Risk for Liver Transplantation and Death in Patients with Primary Biliary Cholangitis**  
Carla Fiorella Murillo Perez, Aliya Gulamhusein, Christophe Corpechot, Adriaan Van Der Meer, Henk Van Buuren, Pietro Invernizzi, Palak Trivedi, Frederik Nevens, Marlyn Mayo, Pier Maria Battezzati, Willem Lammers, Annarosa Floriani, Albert Pares, Marco Carbone, Kris Kowdley, Tony Bruns, Jorn Goet, Cyriel Ponsioen, George Dalekos, Douglas Thorburn, Andrew Mason, Nicholas LaRusso, Nikolaos Gatselis, Raoul Poupon, Xavier Verhelst, Keith Lindor, Harry Janssen, Gideon Hirschfeld and Bettina Hansen

**1910: Biliary Epithelial Senescence May Play a Critical Role in the Pathogenesis and Could be a Target of Senolytic Therapy in Primary Biliary Cholangitis**  
Motoko Sasaki, Yasunori Sato and Yasumi Nakamura

**1912: Fenofibrate Significantly Increases the Biochemical Response and Decreases the Risk of Cirrhosis Development in UdcΑ-Refractory Primary Biliary Cholangitis Patients**  
Sung Won Chung, Jeong-Hoon Lee, Minseok Kim, Sun Woong Kim, Young Chang, Hyo Young Lee, Jun Sik Yoon, Yun Bin Lee, Eun Ju Cho, Su Jong Yu, Yoon Jun Kim and Jung-Hwan Yoon

**1912: Defining Disease Severity and Measuring Progression in Primary Sclerosing Cholangitis (PSC): A Comparison of the Disease Severity Index (DSI) from the Hepquant Shunt Test with Serum Alkaline Phosphatase (Alk Phos)**  
Steve Helmke and Gregory Everson

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**1913:** Improvement in Predicted Survival after 26 Weeks of Treatment with Seladelpar in Patients with Primary Biliary Cholangitis and an Incomplete Response to Ursodeoxycholic Acid  
Bettina Hansen, Aliya Gulamhusein, Giani Amato, Pol Boules and Gideon Hirschfield

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Lindsey Kennedy, Heather Francis, Juliet Venter, Fanyin Meng, Nan Wu, Pietro Invernizzi, Francesca Bernuzzi, Tianhao Zhou, Konstantina Kyrtis, Paolo Onori, Antonino Franchitto, Eugenio Gaudio, Shannon Glaser and Gianfranco Alpini

**1916:** Characterization of Primary Biliary Cholangitis (PBC) in Canadian Patients  

**1917:** Multi-Parametric MRI in a Heterogeneous Liver Disease: Cross-Sectional Evaluation of a Cohort of Patients with PSC  
Katherine Arndtz, James Hodson, Peter Eddowes, Matthew Kelly, Andrea Dennis, Martine Fiore, Rajarshi Banerjee, Stefan Neubauer and Gideon Hirschfield

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**1919:** Long-Term Treatment with Oral Voriconycin for the Treatment of Primary Sclerosing Cholangitis and Inflammatory Bowel Disease  
Jennifer Damman, Melissa Hurwitz, Shamita Shah, Yinika Davies, Ahmad Ali, Mariam Stephan, Leta Lemos and Kenneth Cox

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Sha Chen, WeiJia Duan, Xiaojuan Ou, Hong Ma, Hong You and Jidong Jia

**1921:** Primary Biliary Cholangitis: A Nationwide Analysis of Temporal Trends and Outcomes  
Edwin Golikov, Shil Patel, Suhail Salem, Taruna Bhatia and Jeevan Vinod

**1922:** ABCB4/MDR3 Mutation in Young Patients with Symptomatic Cholelithiasis - What Frequency and What Patients?  
Catarina Gouveia, Catarina Gomes, Bárbara Morão, Alexandre Ferreira, Ana Berta Sousa, Joana Nunes and Marília Cravo

**1923:** A Real World Experience of Obeticholic Acid (OCA) Therapy in Patients with Primary Biliary Cholangitis (PBC) Treated in a Tertiary Care Liver Center  
Kidist Yimam, Saba Gebremedhin, Richard Frederick, Timothy Davern, Edward Holt, Raphael Merriman, Stewart Cooper, Courtney Sherman, Adil Wakil, Chanda Ho and Jennifer Guy

**1924:** The Adult Kasai Patient: Perspectives for the Adult Physician to Guide Care  
Ahmed Abu Shanab, Maria Trapeiro-Marugan, Fiona Thompson, James Ferguson and Gideon Hirschfield

**1925:** The UK-PBC Audit of Real-World Obeticholic Acid Use in Patients with Primary Biliary Cholangitis (PBC)  

**1926:** Antibodies to gp210 and Understanding Risk in Patients with Primary Biliary Cholangitis.  
Debashis Halder, Ashnila Jamnominated, Tim Plant, Matthew Davidson, Hannah Norman, Emily Russell, Olivia Sereinia, Kenneth Chung, Kashif Qamar, Bridget Gunson, Alex Richter and Gideon Hirschfield

**1927:** Extrahepatic Autoimmune Comorbidities in Patients with Primary Biliary Cholangitis. Lack of Association with Prognosis and Therapeutic Response to Ursodeoxycholic Acid.  
Anna Reig, Laura Patricia Llovet, Manuel Romero-Gomez, Agustin Albillos, Federico Manuel Saez Royuela, Emilio Fabrega, Francisco Javier Salmeron, Adolfo Gallego, Diana Horta, Jose Antonio Carrion, Raul Andrade, Margaretta Sala, Andres Castano, Elena Gomez-Dominguez, Isabel Conde, Marta Hernandez Conde, Nadia Chahri, Pamela Estevez, Moises Diago, Jesus M Gonzalez and Albert Pares

**1928:** Hepatobiliary and Non-Hepatobiliary Malignancies in PSC Patients from Southern Europe: A Comparative Study in Two European Centers.  
Filippo Simionato, Nora Cazzagon, Laura Patricia Llovet, Patrizia Furlan, Vincenzo Baldo, Paolo Angeli, Maria Carlota Londono, Albert Pares and Annarosa Florenani

**1929:** The Pathogenic Role of NLRP3 Signaling in the Induction of Autoimmune Cholangitis  
Guo-Xiang Yang, Jie Sheng Zhu, Patrick Leung, WeiCi Zhang, Xiaosong He, Bin Liu and Gideon Hirschfield
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Allison Kwong, Aparna Goel, Ajitha Mannalithara, Uchenna Iloeje, Cynthia Feng and W. Ray Kim

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Divya Dasani, Maria Isabel Fiel, Adam Morgenthau and Thomas Schiano

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Elizabeth Carey, Cynthia Levy, Marlyn Mayo, Christopher Bowlus, Karen Deane, Robert Sandefur, Paris Laliberte, Richard Zink and W. Ray Kim

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Kevin Nelson, Andrea Gossard, Nicholas LaRusso and John Eaton

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Brian Juran, Erik Schlicht and Konstantinos Lazaridis

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1952: Stratification of Biliary Disease with Quantitative Magnetic Resonance Cholangiopancreatography (MRCP+)
Gary Woodward, Marija Mavar, Ged Ridgway, Mark Halberstadt, Andy Mckay, Matthew Kelly, Stefan Neubauer, Michael Brady and Rajarshi Banerjee

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Maryam Rezaeeaval, Mang Ma, Vincent Bain, Andrew Mason, Rahima Bhanji, Maryam Ebadi, Albert Czaja and Aldo Montano-Loza

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Chise Sasaki, Osamu Yoshida, Fujimasa Tada, Kotaro Sunago, Takaaki Tanaka, Atsushi Yukimoto, Yusuke Imai, Yoshiko Nakamura, Takao Watanabe, Yohei Koizumi, Takayuki Shimizu, Fumi Umeoka, Hidehiro Murakami, Masashi Hirooka, Masanori Abe, Hiroaki Miyaoaka and Yoichi Hiasa

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Steven O’Hara, Pamela Tietz Bogert, Madhu Nandakumar, Elizabeth Halvorsen, James Tabibian, Angela Cheung and Nicholas LaRussa

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Clinical and Translational Fibrosis Research

★★1978: Contribution of Neural Crest Derived Cells and GLAST+ Pericytes in Liver Regeneration during Fibrogenesis and Cirrhosis
Romina Sierra, Victoria Blanco, Carolina Borth, Esteban Fiore and Jorge Aquino

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Kei Mizuno, Hiroaki Haga, Kazuo Okumoto, Kyoko Tomita, Taketo Nishina, Takafumi Saito and Yoshiyuki Ueno

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Maria Isabel Fiel, Xiaofei Zhang and Thomas Schiano

Mohamed Elsaid, Carolyn Catalano, You Li and Vinod Rustgi

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2014: Efficacy and Safety of a Thrombolysis Protocol for the Treatment of Acute Portomesenteric Venous Thrombosis
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Rohit Gupta, James Thomas, Greg Anderson and Tony Rahman

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Robert Brown, Michio Imawari, Namiki Izumi, Yukio Osaki, Toshimitsu Ochiai, Takeshi Kano, Roy Bentley and Markus Peck-Radosavljevic

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Nimish Thakral, Ryan Lennon, Patrick Kamath and Douglas Simonetto

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Erika Aldag, Rachel Pedersen, Vikraman Gunabushanam, Ajay Sahajpal, David Kramer and Siddesh Besur

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Edwin Golikov, Shil Patel, Suhail Salem, Jeevan Vinod and Taruna Bhatia

2021: The Portal Vein Thrombosis Risk Index (PVT-RI) Accurately Predicts Incident Portal Vein Thrombosis in Liver Transplant Candidates
Daniel Gaballa, Dmitri Bezinover, Zakiyah Kadry, Elaine Eyster, Ming Wang and Jonathan Stine


* Denotes AASLD Presidential Poster of Distinction
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2023: Correlation between Bioelectrical Impedance Analysis and Skeletal Muscle Index in Patients with Cirrhosis.
Astrid Ruiz Margain, Jesse Xie, Berenice Román-Calleja, Fernanda González-Arellano, Michelle White, Kerem Ramirez-Soto, Osvaly Méndez-Guerrero, Mónica Chapa-Ibargüengoitia, Torre Aldo, Andres Duarte-Rojo and Ricardo Macias Rodríguez

2024: Liver Frailty Index in Patients (pts) Hospitalized with Decompensated Advanced Chronic Liver Disease (dACLD)
Lubomir Skladany, Tomas Koller, Jana Vnencakova and Zuzana Dr Drotárová

2025: In-Hospital Exercise Prevented Sarcopenia in Hepatoma Patients with Chronic Liver Disease Who Underwent Transcatheter Arterial Chemoembolization
Takumi Kawaguchi, Shunji Koya, Ryuki Hashida, Keisuke Hirota, Masafumi Bekki, Emiko Goto, Maiko Yamada, Masako Sugimoto, Saki Hayashi, Norhiro Goshima, Teruhito Yoshiyama, Takashi Otsuka, Ryosuke Nozoe, Ayu Nagamatsu, Dan Nakano, Tomotake Shirono, Shigeo Shimose, Hideki Iwamoto, Takashi Nizeki, Hiroo Matsuse, Hironori Koga, Hiroko Miura, Naoto Shiba and Takuiji Torimura

2026: Relationship of Muscle Cramps to Quality of Life and Sleep Disturbance in Patients with Chronic Liver Diseases: A Nationwide Study
Motoh Iwasa, Yoshiyusl Karino, Takumi Kawaguchi, Makoto Shiraki, Hitoshi Yoshiji, Yoshiyuki Takei and Kazuhiro Koike

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Grazziella Privitera, Luisa Spadaro, Simona Marchisello and Francesco Purrello

2028: Primary Prophylaxis of Hepatic Encephalopathy Among Patients Undergoing Transjugular Intrahepatic Portosystemic Shunt Is Associated with Decreased Development of Hepatic Encephalopathy
Alexander Kovalic and Sean Rudnick

2029: Increased Rates of Inherited Thrombophilia in Patients with Cirrhosis and Portal Vein Thrombosis: A Systemic Review and Meta-Analysis
Steven Ma, Jennifer Wang, Dmitri Bezinover, Zakiyah Kadry and Jonathan Stine

2030: The Efficacy of Anticoagulation Treatment for Portal Vein Thrombosis
Ryoko Yamada, Ryotaro Sakamori, Takahiro Kodama, Minoru Shigekawa, Hayato Hikita, Tomohide Tatsumi and Tetsuo Takehara

2031: Post-Transplant Outcomes in Patients with Severe Hepatopulmonary Syndrome Based on the Response to 100% Fio2: A Single-Center Experience Background: Mohammad Ashtilaq, Hira Asim, Apurva Modi, Manjushree Gautam, James Trotter, Goran Klintmalm and Stefan Gonzalez

2032: Interferon-Free Antiviral Therapy Rapidly Improves Thrombocytopenia in Patients with Advanced Chronic Hepatitis C
Yoji Ishizu, Masatoshi Ishigami, Takenori Ito, Teiji Kuzuya, Takashi Honda and Yoshiki Hirooka

2033: Meld Score and Beta Blockers Are Independent Risk Factors for Development of Non-Tumoral Splanchnic Vein Thrombosis in Patients with Cirrhosis Which However Does Not Significantly Affect Decompensations of Cirrhosis or OLT Free Survival.
Carlos Noronha Ferreira, Helena Cortez-Pinto, Jose Velosa, Paula Ferreira, Margarida Sobral Dias, Fatima Serejo, Ana Julia Pedro, Paula Alexandrino, Daniela Reis, Afonso Gonçalves, Inês Leite, Sonia Palma, Cilenia Baldaia, Leonor Xavier Brito, Narcisa Fatela, Filipe Sousa, Fernando Ramalho, Ana Valente and Rui Marinho

2034: Efficacy and Safety of Edoxaban for Treatment for Recent Occlusive Portal Vein Thrombosis (ROPVT)
Susana Rodrigues, Leona vonKoeckritz, Annalisa Berzigotti, Sebastian Sixt, Karel Caca, Maria Delgad, Daniel Candinas, Jaime Bosch, Iris Baumgartner and Andrea De Gottardi

2035: Spontaneous Portosystemic Shunts in Patients with Cirrhosis: Identification, Quantification and Clinical Associations
Sahaj Rathi, Silvia Brocco, Sara Montagnese, Chiara Formentin, Chiara Mangini, Carlo Merkel, Paolo Angeli, Roberto Stramare and Piero Amadio

2036: Efficacy and Safety of Edoxaban for Treatment of Portal Vein Thrombosis in Patients with Liver Cirrhosis
Nagakki Yuku, Hiroshi Aikata, Eisuke Murakami, Takashi Nakahara, Tomokazu Kawoaka, Masataka Tsuge, Akira Hiramatsu, Michio Imamura and Kazuaki Chayama

2037: A Prospective Metabolic Study in Cirrhotic Patients with Hepatic Encephalopathy Admitted to ICU Indicates Altered Glutamine Synthetase Activity
Philipe Sultanik, Bernadette Chadefaux-Vekmans, Marika Rudler, Charlotte Bouzbib, Maxime Mallet, Simona Tripon, Chris Ottolenghi, Françoise Imbert-Bismuth, Nicolas Weiss, Fanny Mochel and Dominique Thabut

2038: The Seven-Staged Prognostic System for Patients with Liver Cirrhosis Is Significantly Better Than Other Prognostic System for the Prediction of Long-Term Survival
Chien-Hao Huang and Chun-Yen Lin

2039: Periodontal Therapy Improves Cognitive Function, Inflammation and the Gut-Liver Axis in Cirrhosis
Jasmohan Bajaj, Payam Matin, Melanie White, Andrew Fagan, Janina Deeb, Chathur Acharya, Swati Dalmet, Masoumeh Sikaroodi, Patrick Gillevet and Sinem Sahingur

2040: Efficacy of Branched-Chain Amino Acid Supplementation and Walking Exercise for Preventing Sarcopenia in Patients with Liver Cirrhosis
Atsushi Hiraoaka, Masashi Hirooka, Masanori Abe, Tomoyuki Ninoimiy, Yoichi Hiasa and Kojiro Michitaka

2041: Relative Adrenal Insufficiency Is Associated with Greater All-Cause Mortality in Non-Critically Ill Patients with Cirrhosis: A Meta-Analysis
Sevedehshan Navabi, Rachel Hannum, Karen Krok, Ian Schreibman, Thomas Riley, Dmitri Bezinover, Zakiyah Kadry and Jonathan Stine
**2042: Cirrhotic Cardiomyopathy (CCM) Evaluated By Myocardial Deformation Imaging and New Diastolic Dysfunction Criteria: Prevalence in a Prospective Study.**
Juan Francisco Cueva Recalde, Trinidad Serrano, Isaac Lacambría Blasco, Luis Cortés, Alberto Lué and Sara Lorente

**2043: Trends in Admissions for Hepatic Encephalopathy in the US**
Pavan Patel, Sara Eiseler, Nneoma Okoronkwo and Nikolaos Pyrsopoulos

**2044: The Effect of Ledipasvir/Sofosbuvir Treatment on Systolic and Diastolic Dysfunction in Patients with HCV-Related Decompensated Cirrhosis**
Mehmet Demir and Mehmet Demir

**2045: Portopulmonary Hypertension: A National Survey of Practice Patterns and Provider Attitudes**
Hilary DuBrock, Norman Sussman, David Mulligan, Zakiah Kadry, Sonja Bartolome, Sarah Jenkins, Richard Channick, Steven Kawut and Michael Krowka

**2046: Sarcopenia in Cirrhosis: The Impact of Different Computed Tomography-Based Diagnostic Methods for Sarcopenia on Mortality**
Rafael Paternostro, Katharina Lampichler, Constanze Bardach, Ulrika Asenbaum, Clara Landler, Mattias Mandorfer, Rémy Schwarzar, Thomas Reiberger, Michael Trauner and Arnulf Ferlitsch

**2047: Treatment of Splenomegaly Associated with Cirrhosis of the Liver Will Lead to Improvement in Skeletal Muscle Mass**
Yohei Koizumi, Masashi Hirooka, Teruki Miyake, Takaaki Tanaka, Atsushi Watanabe, Osamu Yoshida, Teru Kumagi, Masanori Abe and Yoichi Hiasa

**2048: The Distribution of Non-Tumoral Portal Vein Thrombosis in Liver Cirrhosis and Its Relationship with Wall Shear Stress**
Wei Wei, Song Ren, Rui Zhou, An Jiang, Hui Zhang, Caihong Wang, Sijia Chen, Suxin Li, Fanpu Li and Zongfang Li

**2049: Economic Factors Impacting Length of Stay, Mortality, and Cost of Care of Cirrhosis in the United States**
Edwin Golikov, Shil Patel, Suhail Salem, Taruna Bhatia and Jeevan Vinod

**2050: Validation of Korean Stroop Test in the Screening of Minimal Hepatic Encephalopathy**
Eileen Yoon, Dae Won Jun, Jae Yoon Jeong, Tae Yeob Kim, Do Seon Song, Sang Bong Ahn, Hee Yeon Kim, Young Kui Jung, Myeong Jun Song, Sung Eun Kim, Hyong Su Kim, Soung Won Jeong, Sang Gyuhe Kim, Tae-Hee Lee and Yong Kyun Cho

**2051: Mood Altering Medications Do Not Increase Post-TIPS Hepatic Encephalopathy in a Large Multi-Center Cohort**

**2052: An Impact of Cancer Rehabilitation for Prognosis of Patients with Hepatocellular Carcinoma**
Ryuki Hashida, Takumi Kawaguchi, Norhiro Goshima, Teruhito Yoshiyama, Takashi Otsuka, Masafumi Bekki, Shunji Koya, Keisuke Hirota, Takashi Nizeki, Miwa Sakai, Hiroo Matsuse, Naoto Shiba and Takuji Torimura

**2053: Effect of Hepatic Arterial Buffer Response Induced By Partial Splenic Embolization on Hepatic Function in Cirrhotic Patients By Child-Pugh Classification**
Tsuyoshi Ishihara, Ryo Sasaki, Tatsuro Nishimura, Takuya Iwamoto, Taro Takami and Isao Sakaida

**2054: Is 70 the New 50? Complications and Outcome of TIPS in Older Versus Younger Patients.**
Margaret Liu, Roy Bisht, Jenna Koblinksi, Paul Kang, Mark Wong and Ester Little

**2055: Attenuation of Neurological Symptoms of Type C Hepatic Encephalopathy By Selective Ablation of Neuronal FXR Expression**
Matthew McMillin, Stephanie Grant, Elaina Williams, Gabriel Frampton, Anca Petrescu and Sharon DeMorrow

**2056: Investigation of TIPS Long Term Primary Patency and Survival at a Single Academic Medical Center**
Matthew Mohorek, Naga Samji, Emma Garacci, Rebekah Walker, Sarah White, William Rilling, Achuthan Sourianarayan and Kia Saeian

**2057: Fat Redistribution in Decompensated Cirrhosis: Visceral Adiposity Increases with Severity of Hepatic Dysfunction, Adversely Affects Post-Transplant Outcomes and Poorly Correlates with BMI**
Rajani Sharma, Aaron Schluger, Firas Ahmed, Xiaotao Guo, Binsheng Zhao and Elizabeth Verna

**2058: Prevalence of and Risk Factors for Anemia in Patients with Advanced Chronic Liver Disease**
Bernhard Scheiner, Florian Maurer, Georg Semmler, Philipp Schwabl, Theresa Bucsic, Rafael Paternostro, Michael Trauner, Mattias Mandorfer and Thomas Reiberger

**2059: Proton Pump Inhibitors Do Not Increase the Incidence of Hepatic Encephalopathy: A Multicenter Retrospective Study in Niigata Prefecture**
Akira Sakamaki, Takeshi Yokoo, Kenya Kamimura, Naruhiro Kimura, Toru Setsu, Hiroteru Kamimura, Atsunori Tsuchiya, Masaaki Takamura and Shuji Terai
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2060: Sarcopenia in Patients with Cirrhosis Is Associated with Male Gender, Child-Pugh Class C and Inflammation  
Guido Stirnimann, Maryam Ebadi, Isabela Bertoli De Simone, Vera Mazurak, Puneeta Tandon and Aldo Montano-Loza

2061: Mortality and Hospitalizations Following TIPS in Patients with Low Meld Score  
Rajab Idriss, Jamil Alsahhar, Giovanna Saracino, Deepak Bommisetti, Almas Syed, Vinay Sundaram, Sumeet Asrani and Saleh Eltur

2062: L-Carnitine Improves Impaired Brain Activity in Liver Cirrhosis Patients Evaluated By Near Infrared Spectroscopy  
Hiroyuki Nakanishi, Masayuki Kurosaki, Youhei Kubota, Sakura Kiri, Reona Oosawa, Wan Wang, Mao Okada, Keiya Watakabe, Takao Shimizu, Mayu Higuchi, Kenta Takaura, Shun Kaneko, Nobuharu Tamaki, Yutaka Yasui, Koaru Tsuchiya, Jun Itakura, Yuka Takahashi and Namiki Izumi

2063: Dobutamine Stress Echocardiography during Liver Transplant Evaluation Has High Negative Predictive Value  
Shreesh Shrestha, Addis Asfaw, Neeraja Yedlapati, Uchenna Agbim, Benedict Maliakkal, Ryan Helmick, James West and Timothy Woods

2064: Serum Liver-Type Fatty Binding Protein Levels Are Correlated with Liver Function and Are the Prognostic Factor for Survival in Human Chronic Liver Diseases from Chronic Hepatitis, Liver Cirrhosis, and HCC  
Akkio Eguchi, Hiroshi Hasegawa, Motoh Iwasa, Yasuyuki Tamai and Yoshiyuki Takei

2065: Proton Pump Inhibitors- a Risk Factor for Hepatic Encephalopathy in Patients Listed for Liver Transplantation?  
Ahmed Abu Shanab, Amanda Smith, Muneer Abbas, Rolland Iriarte, Peter Nightingale, Bridget Gunson, Andrew Holt and Neil Rajoriiya

2066: Hepatic Steatosis Does Not Increase Portal Pressure in Patients with Chronic Liver Disease  
Berhard Scheiner, Georg Semmler, Philipp Schwabl, Theresa Bucsics, Rafael Paternostro, David Chromy, Albert Staettmayer, Michael Trauner, Mattias Mandorfer, Arnulf Ferlitsch and Thomas Reiberger

2067: Predictors of Hepatic Encephalopathy in Cirrhotic Patients Undergoing Elective Transjugular Intrahepatic Portosystemic Shunt  
Vivek Mendiratta, Fitsum Kumssa and Deepak Venkat

2068: Safety and Efficacy of Tolvaptan in Patients with Liver Cirrhosis: Lessons Learned from a 4-Year Post-Marketing Surveillance Study (START study)  
Isao Sakaida, Shuji Terai, Masayuki Kurosaki, Moriyoshi Yasuda, Mitsuru Okada, Toshimi Tokuyama and Yasuhiko Fukuta

2069: Lusutrombopag Reliably Increases Platelet Counts for up to 3 Weeks in Chronic Liver Disease Patients with Thrombocytopenia Undergoing Invasive Procedures Regardless of Baseline Platelet Counts: Results from Two Phase 3 Trials  
Robert Brown, Michio Imawari, Namiki Izumi, Yukio Osaki, Roy Bentley, Tolga Baykal, Toshimitsu Ochiai and Takeshi Kano

2070: Minimal Hepatic Encephalopathy: Which Test Can We Use in Clinical Practice?  
Benjamin Buchard, Armand Abergel, Camille Teilhet, Geraldine Lamblin, Léon Muti and Didier Defond

**Hepatitis B: Diagnostics, Epidemiology, Prevention, and Natural History**

2071: Impact of Sequence of Diagnosis on All-Cause Mortality Among HBV/HCV Co-Infected Individuals: A Marker of Risk Stratification?  
Mawuena Binka, Zahid Butt, Stanley Wong, Carmine Rossi, Geoff Mckee, Maryam Darvishian, Amanda Yu, Nuria Chapinal, Maria Alvarez, Hasina Samji, Jason Wong, Mark Gilbert, Mark Tyndall, Mel Krajden and Naveed Janjua

2072: Optimizing the Use of APRI and FIB-4 to Rule out Cirrhosis in Patients with Chronic Hepatitis B: Results from the Sonic-B Study  
Milan Sonneveld, Willem Pieter Brouwer, Henry Chan, Teerha Piratvisuth, Jidong Jia, Stefan Zeuzem, Yun-Fan Liaw, Bettina Hansen, Hannah Choi, Cynthia Wat, Qing Xie, Maria Buti, Robert De Knecht and Harry Janssen

2073: Immunogenicity and Safety of Hepatitis E Vaccine in Chronic Hepatitis B Patients: An Open-Label Control Study in China  
Li Zhang

2074: Biologics-Related HBV Reactivation in Inactive Carriers and Resolved Hepatitis B Patients: A Prospective Randomized Controlled Study  
Yi-Hsiang Huang, ChiehJu Lee, Ming-Han Chen and Chang-Youh Tsai

Özgür Koc, Charlotte Menart, Jemimah Theodore, Cecile Kremer, Niel Hens, Ger Koek and Astrid Oude Lashof

2076: Epidemiological Trends of HBV and HDV Coinfection Among HIV+ Patients  
Caroline Schmidbauer, David Chromy, Victor Schmidtauer, Theresa Bucsics, Philipp Schwabl, Mattias Mandorfer, Berhard Scheiner, Armin Rieger, Heidemarie Holzmann, Michael Trauner and Thomas Reiberger
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2077: Hepatitis B Core-Related Antigen Is a Better Marker Than HBsAg for Discriminating between Chronic HBV Infection and Chronic Hepatitis B in a HBeAg-negative European Cohort.
Maurizia Brunetto, Ivana Carey, Benjamin Maasoumy, Cristina Marcos, Gijs Van Halewijn, Gian Paolo Caviglia, Alessandro Loglio, Daniela Cavallone, Caroline Scholtes, Antonina Smedile, Mar Rivero-Barciela, Florian van Bömmel, Annemieke Van Der Eijk, Fabien Zoulim, Thomas Berg, Markus Cornberg, Pietro Lampertico, Kosh Agarwal and Maria Buti

2078: Risk Factors for Progression to Chronic Hepatitis in Patients with Acute Hepatitis B: Results from the Acute Hepatitis B Global Study
Sebastian Marciano, Diego Flichman, Julieta Trinks, Manuel Mendizabal, Beatriz Livellari, Diego Arrigo, Pablo Calzetta, Claudia Vujacich, Diego Giunta and Adrián Gadan

2079: Thiazolidinediones Reduce the Risk of Hepatocellular Carcinoma in Patients with Chronic Hepatitis B and Diabetes Mellitus - a Cohort Study of 29,221 Subjects
Cheuk Fung Yip, Grace Lai, Yee-Kit Tse, Henry Chan and Vincent Wong

2080: Serum Fibronectin Levels Identified Via Proteomics Profiling Predict Spontaneous Hepatitis B Surface Antigen Seroclearance in Chronic Hepatitis B
Fen Liu, Wai Kay Walter Seto, Danny Ka Ho Wong, Fung-Yu Huang, Lung-Yi Mak, Ka Shing Cheung, James Fung, Ching Lung Lai and Man-Fung Yuen

2081: Estimating HCC Risk in Patients with Chronic Hepatitis B Infection on Antiviral Therapy: A Prediction Model Derived from a Veterans Affairs Cohort
Feng Su, Pamela Green, Kristin Berry and George Ioannou

2082: Validation of a Full Genome HBV Sequencing Assay
Jennifer Cook, Suqin Cai, Charity Ting, Jeannette Whitcomb, Christos Petropolous and Wei Huang

2083: Quantitative Hepatitis B Surface Antigen (qHBsAg) Has Poor Performance As a Marker of High Risk Antenatal Chronic Hepatitis B (CHB) in a Multi-Ethnic Population.
Grace Dolman, Hossam Saleh, Polychronis Kemos and Patrick Ethnic Population

2084: Validation of Rapid Point-of-Care Testing for Viral Hepatitis Management in Resource-Limited Settings
James Leathers, Maria Belen Pisano, Viviana Re, Gertrine Van Oord, Amir Sultan, Andre Boonstra and Jose Debes

2085: Evaluation of the Effectiveness of Hepatitis B (HB) Vaccination of Newborns from HBsAg-Positive Mothers, Followed By the National Enlarged Vaccination Program Including HB, in the Health District of Tokomberé, Cameroon.
Francoise Lunel-Fabiani, Jacques Birguel, Adeline Pivert, Richard Njuom, Alexandre Ducancelle, Agnès Gautheret, Pierre Amta, Jean-Marie Huraux, Jean Pierre Adoukara, Hélène Le Guillou-Guillermette and Pascal Veillon

2086: The Impact of Nonalcoholic Fatty Liver Disease (NAFLD) on the Development of Hepatocellular Carcinoma (HCC) in Chronic Hepatitis B Infection Patients
Jie Li, Kevin T. Chaung, Pauline Nguyen, An Le, Joseph Hoang, Hwai-I Yang and Mindie Nguyen

2087: Clinical Predictors of Hepatocellular Carcinoma Among HIV/Chronic Hepatitis B Coinfected Patients in the NA-Accord
Nina Kim, Craig Newcomb, Dena Carbonari, Jason Roy, Keri Allthoff, Joseph Lim, Edward Cachay, Michael Horberg, Michael Silverberg, W. Mathews, Kate Salters, John Gill, Richard Moore, Mari Kitahata, Marina Klein and Vincent Lo Re

2088: Long-Term Liver-Related Outcomes in Hepatitis B and D Co-Infected Patients in Sweden

2089: The Prevalence and Risk Factors of Hepatitis B Viral Infection in Middle Limburg Belgium: The Importance of Migration.
Özgür Koc, Cecile Kremer, Rob Bielen, Dana Busschots, Niel Hens and Geert Robaeys

2090: Renal Safety of Entecavir and Tenofovir in Patients with Treatment-Naïve Chronic Hepatitis B Virus Infection in Real Life Setting: A Multicenter, Retrospective Cohort Study
Jae Yoon Jeong, Dae Won Jun, Joo Hyun Sohn, Hye Young Lee, Sang Bong Ahn, Bo-Kyeong Kang, Mimi Kim, Jaeha Kim, Jin Hwa Park and Hyun Woo Oh

2091: HBV RNA in Serum Is an Early Predictor for HBsAg Loss Following Peg-Interferon Treatment for Patients with HBeAg Positive Chronic Hepatitis B
Mina Faraq, Margo Van Campenhout, Florian van Bömmel, Maria Pfefferkorn, Janett Fischer, Danilo Deichsel, Andre Boonstra, Anneke Van Vuuren, Thomas Berg, Jordan Feld, Bettina Hansen and Harry Janssen

Michael Le, Yee Hui Yeo, Samuel So, Edward Gane, Ramsey Cheung and Mindie Nguyen

2093: Sex, Time-Period and Birthplace Specific Prevalence of Hepatitis B and Hepatitis C Virus Infection in Children and Adolescents in the United States during 1999-2016
Biyao Zou, Yee Hui Yeo, Samuel So, Edward Gane, Ramsey Cheung and Mindie Nguyen

2094: Development and Validation of a Risk Score System Inclusive of Antiviral Therapy for Liver Cirrhosis Risk in Chronic Hepatitis B Infection
Anne Liu, An Le, Hwai-I Yang, Mingjuan Jin, Huy Trinh, Jian Zhang, Jiayi Li, Christopher Wong, Clifford Wong, Ming-Lung Yu and Mindie Nguyen
2095: External Validation of Fibrosis-4 Index for Predicting the Development of Hepatocellular Carcinoma in Patients with Chronic Hepatitis B
Hyun Woo Oh, Dae Won Jun, Joo Hyun Sohn, Jae Yoon Jeong, Hyo Young Lee, Sang Bong Ahn, Bo-Kyeong Kang, Mimi Kim, Jaeha Kim and Jin Hwa Park

2096: Severe Vitamin D Deficiency Identifies a Poor Prognosis in Patients with Chronic Hepatitis B Infection
Zhang Xi, An Xiaocui, Liu Xiaojing, Shi Lei, Xueliang Yang, Kai Zhang, Chen Yunru, Li Jianzhou, Jia Haijuan, Zhu Ruixue, Pan Tiantian, Ye Feng and Lin Shumei

2097: Automated Emergency Department HBV & HCV Testing: Utilizing Country of Birth & Age-Cohort Identification in a Diverse Suburban Community Hospital
Su Wang, Ruth Brogden, Wen-Chi Chen, Nicole Barberio, Eric Handler, Christopher Freer and Stephen O'Mahony

2098: Do Non-Invasive Biomarkers Predict Advanced Fibrosis in HBV/HIV Co-Infected Adults?
Richard Sterling, Wendy King, Abdus Wahed, David Kleiner, Mandana Khalili, Mark Sulkowski, Mamta Jain, Mauricio Lisker-Melman, Raymond Chung, David Wong and Marc Ghany

2099: Hepatitis B Virus (HBV) Vaccination May Prevent HBV Reactivation after Allogeneic Hematopoietic Cell Transplantation (HCT)
Sarah Hammond, Vincent Ho, Lindsey Baden and Francisco Marty

2100: Hepatitis B Core Related Antigen Is Correlated with Several Hepatitis B Virus Markers Including Serum HBV RNA and Intrahepatic Cccdna.
Robin Erken, Hans Zaaijer, Ed Bakker, Neeltje Kootstra and Hendrik Reesink

2101: Prediction of Histologic Immune-Tolerant Phase Chronic Hepatitis B from Hbeag-Positive with Low ALT Level Patients
Jeong-Ju Yoo, sang Gyune Kim and Young Seok Kim

2102: Meta-Analyses of Long Term Renal Safety of Nucleos(t)ide Analogues in Chronic Hepatitis B Patients; Tenofovir Vs Entecavir
Hyo Young Lee, Dae Won Jun, Joo Hyun Sohn, Hyun Woo Oh, Jae Yoon Jeong, Sang Bong Ahn, Bo-Kyeong Kang, Mimi Kim, Jaeha Kim and Jin Hwa Park

2103: Racial and Gender Disparities in Hepatitis B Vaccination Coverage Amongst Asian American Adults
Mohamed Elsaid, Navaneeth Narayanan, Rachel NeMoyer, You Li, Abdallah Elsabbagh, Nicki Desai, Angelina Nicosia and Vinod Rustgi

2104: Critical Immune Determinants of Durable Anti-HBs titers in Adults Who Were Given First-Time Hepatitis B Vaccination.
Hirokoshi Doi, Sachio Yoshio, Hironori Kawai, Yuzuru Sakamoto, Tomonari Shimagaki, Yoshishiko Aoki, Yusuke Osawa, Hitoshi Yoshida, Kiechiro Yoneyama and Tatsuya Kanto

2105: Dried Blood Spot Samples As Alternative to Serum for Hepatitis B Virus Molecular Detection.
Livia Villar, Cristianne Bezerra, Moyra Portinho, Ana Carolina Mendonça, Cristiane Frata, Filipe Aníbal Carvalho-Costa, José Napoleão Da Cruz, Lia Laura Lewis-Ximenez, Barbara Lago and Elisabeth Lampé

2106: Loss of Hepatitis B e Antigen (HBeAg) during Nucleos(t)ide (NUC) Therapy Is Associated with Greater Improvement in Liver Fibrosis
Maria Buti, Scott Fung, Sang Hoon Ahn, Graham Foster, Jenny Yang, Hongyuan Wang, John Flaherty, Anuj Gaggar, Mani Subramanian, Kwan Soo Byun, Cheng-Yuan Peng and Patrick Marcellin

2107: Association between Hepatic Steatosis and the Development of Hepatocellular Carcinoma in Patients with Chronic Hepatitis B
Yun Bin Lee, Yeonjung Ha, Young Eun Chon, Ju Ho Lee, Hana Park, Jung-Hwan Yoon and Seong-Gyu Hwang

2108: The Relationship between Serum HBV RNA Levels and Other Viral Markers in the Natural History of Chronic HBV Infection
Umaporn Limothai, Natthaya Chuaypen, Yong Poovorawan and Pisit Tangkijvanich

2109: A Rapid Point-of-Care Device for the Diagnosis of Hepatitis Delta Virus Infection
Florian Lempp, Shirin Nkongolo, Paul Schnitzler and Stephan Urban

2110: J-Shaped Association between Glycemic Control and the Risk of Hepatocellular Carcinoma in Chronic Hepatitis B Patients with Diabetes Mellitus - a Territory-Wide Cohort Study of 29,221 Subjects.
Cheuk Fung Yip, Vincent Wong, Henry Chan, Yee-Kit Tse and Grace Lai

2111: Opportunities to Establish Universal Policy to Protect Healthcare Professionals from HBV-HCV in Ho Chi Minh City, Vietnam
Trang Ngoc Doan Pham, Gary Mize, Albert Do, Tran Nguyen, Nguyet Ngo, William Lee, Robert Gish, Anh Le, Amy Trang, Ronald Mcdamns, Hai Phan, Binh Nguyen, Hong Tang and Doan Dao

2112: Impact of a Screening Initiative to Prevent Hepatitis B Reactivation Among Patients Receiving Rituximab.
Hadi Minhas, Yitzchak Goldstein, Eran Bellin, Stuart Packer, Patricia Zyloney and Jonathan Schwartz

2113: Impact of 20 Years of Implementation of an Immunization Program for HBV in Huanta, Peru: First Clues of Elimination of Hepatitis Delta Virus
Joaquín Cabezas, Flor Ramos, Omar Trujillo, Johanna Balbuena, Alfredo Borda and Victor Fiestas
2114: Prevalence of Hepatitis B e Antigen Varies By Age, Race and Genotype: Data from a Large North American Cohort of Adults and Children in the Hepatitis B Research Network (HBRN)

2115: The Efficiency of Serum GP73 Combined with AST for Diagnosing Liver Inflammation in Patients with Chronic Hepatitis B
Chun-Yan Wang, DONG Ji, Qing Shao and Guofeng Chen

2116: Hepatitis B Core-Related Antigen (HcicrAg) Is a Novel Risk Marker for Hepatocellular Carcinoma during Nucleoside Analogue Treatment
Hatsue Fujino and Kazuaki Chayama

2117: Assessing Mother-to-Child Transmission Risk in Asian American Women with Chronic Hepatitis B Receiving Prenatal Care at Two Community Health Sites in New York City, 2007-2017
Amy Tang, Janice Lyu, Angel Chen, Qingqing He, Su Wang and Calvin Pan

2118: Hepatitis B Cure in HIV Patients Is More Likely in Hispanics and Those with AIDS.
Paul Parisot, William Lee and Mamta Jain

2119: Antiviral-Induced HBsAg-Seroclearance Might Not Necessarily Indicate a Functional Cure of Chronic Hepatitis B and Can be Reversed
Minseok Kim, Jeong-Hoon Lee, Sung Won Chung, Sun Woong Kim, Jun Sik Yoon, Young Chang, Eun Ju Cho, Su Jong Yu, Yoon Jun Kim and Junghwan Yoon

2120: Hepatitis B Virus Core-Related Antigen Levels Predict Progression to Liver Cirrhosis in Hepatitis B Carriers
Natsuko Kobayashi, Takashi Kumada, Hidenori Toyoda, Toshifumi Tada and Nozomi Miyake

2121: Increasing Hepatitis B Birth Dose: Bridging the Gaps in Perinatal Hepatitis B Transmission Elimination
Su Wang, Ruth Brogden, Wen-Chi Chen, Michael Weinstein, Emily Carey, Kim Rosales and Meg Fisher

2122: Clinical Strategy for Hepatic Histology Assessment in Chronic Hepatitis B with Normal or Mildly Elevated Alanine Aminotransferase
Zhao Wu, Xiaqiong Dong, Guiqiang Wang and Hong Zhao

2123: Risk of Hepatitis Flare in Patients with Chronic Hepatitis B Increases Even in Short Course of High-Dose Corticosteroid Therapy - a Study of 85,763 Subjects
Grace Wong, Becky Wong, Terry Yip, Yee-Kit Tse, Henry Chan and Vincent Wong

2124: Severe Liver Disease Outcomes and Mortality Among Patients with Chronic Hepatitis B Who Completed an in-Depth Health and Behavior Survey in 2012
Philip Spradling, Jian Xing, Anne Moorman, Lora Rupp, Stuart Gordon, Joseph Boscarino, Mark Schmidt, Yihe Daida, Mei Lu, Eyasu Teshale and Scott Holmberg

2125: High Predictive Value of Meld for Short-Term Mortality in Severe Acute Flares of Chronic Hepatitis B
James Fung, Kenneth Chok, Albert Chan, Wing-Chiu Dai, Wong-Hoi She, Sui-Ling Sin, Ka-Wing Ma, Kelvin Ng, Tiffany Wong, Tan-To Cheung, Wai-Kay Seto, Ching-Lung Lai, Chung-Mau Lo and Man-Fung Yuen

2126: Red Cell Distribution Width As an Usful Index for Predicting the Severity and Prognosis of Chronic Hepatitis B-Related Liver Diseases
Jian Wang, Rui Huang, Juan Xia, Bei Jia, Xiaomin Yan, Zhaoping Zhang and Chao Wu

Michael Le, Yee Hui Yeo and Mindie Nguyen

2128: High Proportion and Long-Term Outcomes of Patients with Chronic Hepatitis B Have Indeterminate Clinical Phenotype As per AASLD 2018 Guidelines
Xiaohong Li, Yee Hui Yeo, An Le, Dong Hyun Lee, Huy Trinh, Jian Zhang, Jiayi Li, Christopher Wong, Clifford Wong, Hwai-I Yang and Mindie Nguyen

2129: Prognostic Significance of the New Criteria for Acute Kidney Injury in HBV-Related Cirrhotic Patients with Ascites
Chao-Nan Jin, Sheng Bi, Yu Shi and Ji-Fang Sheng

2130: Estimations of the Total Number of Undiagnosed Patients and Antiviral Treatment Rate for Chronic Hepatitis B in the United States
Eichig Ogawa, Donghak Jeong, Yee Hui Yeo, Linda Henry, Sally Tran, Ramsey Cheung, Mindie Nguyen and Norihiro Furusyo

2131: Liver Disease Progression in Untreated Immune Tolerant Phase Chronic Hepatitis B Patients Compared to Treated Immune Active Phase Patients
Jung Hyun Kwon, Sung Won Lee and Jeong Won Jang

2132: GP73, a New Diagnostic and Prognostic Marker for Patients with Acute-on-Chronic Liver Failure
Jingjing Tong, Mingjie Yao, Xiuying Mu, Xiajie Wen, Lu Fengmin and Ji departed

2133: Genetic Variants Do Not Predict the Development of Hepatocellular Carcinoma in Caucasian Compensated HBV Cirrhotos Long-Term Treated By Entecavir or Tenofovir
Alessandro Logito, Enrico Galmozzi, Massimo Iavarone, Floriana Faccetti, Mauro Vigano, Riccardo Perbellini, Dhanai Di Paolo, Roberto Bertelli, Marianna Franchina, Maria Grazia Rumi, Angelo Sangiovanni and Pietro Lampertico
2134: Incidence and Risk Factors of Hepatitis B Virus Reactivation in HBsAg-Negative, Anti-HBe-Positive Kidney Transplant Recipients
Hyoe Young Lee, Eun Ju Cho, Sung Won Chung, Minseok Kim, Sun Woong Kim, Jun Sik Yoon, Young Chang, Yun Bin Lee, Jeong-Hoon Lee, Su Jong Yu, Yoon Jun Kim and Jung-Hwan Yoon

2135: Baseline and Treatment Profiles of Patients Recruited in China Registry of Hepatitis B
Shan Shan, Hong You, Junqi Niu, Jia Shang, Yuexin Zhang, Hong Ren, Hong Tang, Huiguodong, Lingyi Zhang, Yuemin Nan, Tao Han, Xiaoqiang Wang, Xiaqing Liu, Xiaoyou Dou, Xiaoyuan Xu, Lai Wei, Jinlin Hou, Zhongping Duan, Hui Zhuang, Yuanyuan Kong and Jidong Jia

2136: Comparison of Long-Term Clinical Outcomes between Patients with Chronic Hepatitis B Virus Infection in Untreated Immune Tolerant Phase vs. Those in Inactive Carrier Status
Hye Won Lee, Seung Up Kim, Jun Yong Park, Do Young Kim, Sang Hoon Ahn, Kwang-Hyub Han and Beom Kyung Kim

2137: Clinical Impact and Durability of Hepatitis B Surface Antigen Seroclearance in Untreated and Nucleos(t)ide Analogue Treated Patients
Hyun Woong Lee, Jung Il Lee, Younsoo Kim and Kwan Sik Lee

2138: The Influence of Hbeag in New Born Infants on the Response to Anti-Hepatitis B Immunoglobulin Combined with Hepatitis B Vaccination
Guo-Rong Han, Xin Yue, Hong-Xiu Jiang, Naiying Kan and Yan Wang

2139: Is “Grey Zone” Really Grey – Clinical Outcome of Patients with Chronic Hepatitis B and Liver Stiffness Measurement in the Grey Zone.
Ken Liu, Vincent Wong, Yan Liang, Henry Chan and Grace Wong

2140: Molecular Evolution of Hepatitis Delta Virus in Taiwan
Shen-Yung Wang, Tzen-Yuh Chiang and Jaw-Ching Wu

2141: Changes of the Middle Hepatitis B Virus (HBV) Surface Antigen (MHGs) in Patients with Chronic Hbeag Negative Hepatitis B Receiving Pegylated Interferon-Alpha (PEG-IFN) Are Associated with Lower HBV Replication after Treatment
Maria Pfefferkorn, Tina Schott, Christin Felkel, Stephan Böhm, Renate Heyne, Dieter Glebe, Thomas Berg and Florian von Bömmel

2142: Establishment and Application of the Dried Blood Spots (DBS) Genotyping of Genes Involving in HBV Infection or Pathogenesis: A Comparative Analysis of Healthy Donors and Patients with Chronic HBV Infection.
Hiroyuki Setoyama, Nao Nishida, Yutaka Sasaki, Junko Tanaka and Tatsuya Kanto

2143: Hepatitis B Core-Related Antigen and Quantitative Surface Antigen Augment Risk Stratification of Patients with Acute Hepatitis B
Thomas Tranah, Peter Foulser, Bo Wang, Matthew Bruce, Upkar Gill, Geoffrey Dusheiko, Ivana Carey and Kosh Agarwal

2144: Investigation of Factors Associated with Persistent Infection of Hepatitis B Virus in Patients Infected with Human Immunodeficiency Virus
Takeya Tsutsui, Hidenori Sato, Tadashi Kikuchi, Eisuke Adachi, Michiko Koga, Tomohiko Kobuchi, Tomoe Senkoji, Kazuya Okushin, Takuya Kawahara and Hiroshi Yotsuyanagi

2145: Comparison of Artificial Neural Network and Cox Proportional Hazards Model in Predicting Hepatitis B Antigen Serocconversion in Chronic Hepatitis B Patients
Yuxin Li, Mingfan Geng, Le Sun, Fangyuan Gao, Jialiang Chen, Rui Wang and Xianbo Wang

2146: High Risk of Clinical Events in Hbeag-Negative Chronic Hepatitis B Patients with High Viral Load and No Significant ALT Elevation
Gwang Hyeon Choi, Jonggi Choi, Gi-Ae Kim, Seungbong Han and Young-Suk Lim

2147: Delta Virus Predominates and Potentially Predicts Liver Cirrhosis Among Co-Infected Hepatitis B and Hepatitis D Virus Patients in Pakistan
Kamran Shaflq, Muhammad Javed, Smahia Waseem, Sara Khan, Saeed Akhtar, Mahboobul Haq, Amanara Naved, Khurrum Anis, Farooq Khan, Muhammad Haroon and Abdul Nadir

2148: Global Rates of Spontaneous Surface Antigen Loss in Adults with Chronic Hepatitis B Do Not Differ By Regional Endemicity: A Pooled Meta-Analysis of over 50,000 Individuals
Kali Zhou, Caitlin Contag, Evans Whitaker and Norah Terrault

2149: Glial Cell Line-Derived Neurotrophic Factor (GDNF) Levels: A Potential Biomarker in Predicting Liver Fibrotic Severity in Patients with Chronic Hepatitis B
Le Tao, Dongxiao Shen, Wenting Ma, Liu Wu and Cheng Liu

2150: Increasing Age and Comorbidities in a Population-Based Study of Chronic Hepatitis B (CHB) Patients from 2007 to 2016 in Korea
Dae Won Jun, Hyun Wooh, Hyun Jung Ahn, Bo Ok Kim and Mindie Nguyen

2151: Identification of Hepatitis B Virus Genotype I in Thailand
Vera Holzmayer, Robert Hance, Patricia Defechereux, Robert Grant, Mary Kuhns, Gavin Olcherty and Mary Rodgers

2152: Study on the Influence of Fatty Liver Disease in Chronic Type B Liver Disease
Nobuhiro Azawa, Hirayuki Enomoto, Noriko Ishii, Chikage Nakano, Yukihisa Yuri, Ryo Takata, Kazunori Yoh, Tomoyuki Takashima, Yoshiyuki Sakai, Naoto Ikeda, Yoshinori Iwata, Takashi Nishimura, Hiroki Nishikawa, Hiroko Iijima and Shuhei Nishiguchi

2153: Serum GP73 Is an Auxiliary Biomarker for Liver Inflammation in Chronic Hepatitis B
Leilei Wang, Mingjie Yao, Shuang Liu, Lu Fenming, Yun Zhang, Hong You, Jianwen Wang, Xiangmei Chen, Jidong Jia and Jingmin Zhao
Poster Sessions

2154: Demographic and Risk Factors in Vietnamese Patients with HBV in Ho Chi Minh City, Vietnam: A Population-Based Sero-Prevalence Study

Trang Ngoc Doan Pham, Gary Mize, Loc Phan, William Lee, Robert Gish, Ronald Mcadamis, Anh Le, Amy Trang, Diem Dao, Albert Do, Moon Chen, Hai Phan, Binh Nguyen, Hong Tang and Doan Dao

2155: WITHDRAWN

2156: Noninvasive Fibrosis Scores Are Not Useful for Prediction of Response to Treatment in Chronic Delta Hepatitis

Onur Keskin, Esra Yurdcu, Çağdaş Kalkan, Aysun Kartal, Zeynep Ellik, Mithat Bozdaiy, Ramazan Idilman and Cihan Yurdaydin

2157: Study of Knowledge, Attitude and Practice Regarding Hepatitis B in Relatives of HBSAg Positive Patients.

Ajay Jain, Amit Joshi, Shohini Sircar and Sandeep Kaulavkar

2158: The Role of HBV RNA Levels As a Predictor of Withdrawal Flares after Stopping Nucleoside Analogue in Patients with Chronic Hepatitis B

Ahmad Alawad, Naveen Gara, Eileen Ball, Emily Butler, Jeffrey Gersch, Mary Kuhns, Gavin Cloherty and Marc Ghany

2159: Perceptions of Hepatitis B and Hepatocellular Carcinoma Among Ethnically Diverse Communities in South Florida

Joselin Gonzalez-Diaz, Natasha Schaefer Solle, Lauren Smith, Paul Martin, Erin Kobetz and Patricia Jones

2160: Analysis of the Background Factors at the Onset of HCC and a Cumulative Survival Rate According to Having Nucleos(t)ide Analogue Treatment or Not.

Yoshiyasu Karino, Shuhei Hige, Takumi Ohmura, Ikuo Ozeki, Tomohiro Arakawa, Tomoaki Nakajima, Ryoji Tatsumi, Masakatsu Yamaguchi, Mutsumi Kimura, Yasuaki Kuwata and Joji Toyota


Mai Lu, Jia Li, Scott Holmberg, Anne Moorman, Philip Spradling, Eysu Teshale, Joseph Boscarino, Yihe Daida, Mark Schmidt, Yueren Zhou, Lora Rupp, Talan Zhang, Sheri Trudeau and Stuart Gordon

2162: Assessment of Scoring Systems for in-Hospital Mortality in HBV-Related Cirrhotic Patients with Ascites after Acute Kidney Injury

Chao-Nan Jin, Sheng Bi, Yu Shi and Ji-Fang Sheng

2163: Stringent Upper Limit of Normal ALT Levels Increases Identification of Patients with Clinically Relevant Liver Disease

Susana Llerena, Joaquin Cabezás, Jose Ignacio Fortea, Paula Iruzubieta, Patricia Huelin, Angela Puente, Maria Teresa Arias, Irazu Ezcurra, Emilio Fabrega, Antonio Cuadrado and Javier Crespo

2164: Modified Hbcrag Quantitation Assay Using Dynamic Dilution Enables Accurate Measurement of Hbcrag in Patients with High HBV DNA Levels

Ivana Carey, Emily Butler, Jeffrey Gersch, Matthew Bruce, Bo Wang, Mary Kuhns, Gavin Cloherty, Geoffrey Dusheiko and Kosh Agarwal

2165: Impact of Antiviral Therapy on Risk Prediction Models for Hepatocellular Carcinoma Development in Patients with Chronic Hepatitis B

Hye Yeon Chon, Tae Seop Lim, MiYoung Jeon, Hye Won Lee, Beom Kyung Kim, Jun Yong Park, Do Young Kim, Sang Hoon Ahn, Kwang-Hyub Han and Seung Up Kim

2166: An Observational Study about Long-Term Renal Outcome in Chronic Hepatitis B Patients Treated with Tenofovir Disoproxil Fumarate in Korea

Tae Seop Lim, Hye Won Lee, Mi Young Jeon, Beom Kyung Kim, Seung Up Kim, Jun Yong Park, Do Young Kim, Kwang-Hyub Han and Sang Hoon Ahn

2167: A Multisite Nationwide Descriptive Analysis of HBV-HIV Co-Infection in Canada

Curtis Cooper, David Wong, Sarah Haylock-Jacobs, Scott Fung, Lisa Barrett, Brian Conway, Alexander Wong, Alnoor Ramji, Karen Doucette and Carla Coffin


Joseph Hoang, Jennifer Leong, Ju Dong Yang, Pauline Nguyen, An Le, Linda Henry, Lewis Roberts, Myron Schwartz and Mindie Nguyen

2169: Association between Core Mutations Induced by Interferon Therapy and Annual Decline Rate of HbvDNA in Chronic Hepatitis B Patients

Takashi Honda, Masatoshi Ishigami, Takanori Ito, Yoji Ishizu, Teiji Kuzuuya and Yoshiki Hirooka

2170: Rest B Study: Estimating the Incidence of Hepatocellular Carcinoma in a Real World Cohort of Patients with Chronic Hepatitis B

Charikleia Kranioti, Evangelos Ionas, Adonis Protopapas, Theodoros Voulgaris, Chrystostomos Tsolias, Melanie Deutsch, Christos Triantos, Ioannis Goulis, George Papatheodoridis and Spiilos Manolakopoulos

2171: Evaluation of Hepatic Fibrosis during Chronic HBV Infection: Comparison between Non Invasive Methods and Liver Biopsy

Nawal Guessab, Sonia Alt Younes, Ibtisssem Ouled Cheikh, Rafik Kerbouche, Othmane Drir, Nawel Afredj, Samir Gourari, Mohamed Merniz and Nabil Debzi

2172: Interferon-Based Treatment Is Superior to Nucleos(t)ide Analogue in Reducing HBV-Related Hepatocellular Carcinoma for Chronic Hepatitis B Patients at High Risk

Peipei Ren, Zhujun Cao, Ruidong Mo, Yuhan Liu, Lichang Chen, Tianhui Zhou, Ziqiang Li, Jie Lu, Yunye Liu, Qing Guo, Rong Chen, Hujuan Zhou, Wei Cai, WANG Hui, Shisan Bao, Yumin Xu, Honglian Gui and Qing Xie

★ Denotes AASLD Presidential Poster of Distinction
Denotes AASLD Foundation Abstract Award Recipient
**Poster Sessions**

2173: Predictive Factors for Cirrhosis in Chronic Hepatitis B Mono-Infection Compared to HBV/HDV, and HBV/HCV Co-Infection: Single Center Experience from Lahore
Muhammad Omar, Amjad Khan, Amna Altaf, Raja Omar, Ammara Naveed, Mahboobul- Haq, Usman Ghani, Saheed Akhtar, Arif Siddiqui and Abdul Nadir

2174: Clinical Course of Patients with Decompensated Chronic Hepatitis B Receiving Antiviral Therapy
Sang Bong Ahn, Dae Won Jun, Joo Hyun Sohn, Hyun Woo Oh, Jae Yoon Jeong, Hyo Young Lee, Bo-Kyeong Kang, Mimi Kim, Jaeha Kim, Jin Hwa Park, Dong Hee Koh and Byung Chul Yoon

2175: Quantification of HDV RNA Level in HDV Seropositive Patients
Sarantuya Gidaagaya, Batnasan Bursaren, Munkhbat Batmunkh and Bira Namdag

2176: Alpha-Fetoprotein Measurement Improves Hepatocellular Carcinoma Surveillance in Chronic Hepatitis B Patients with Cirrhosis
Mina Kim, Seong-Gyu Hwang, Beom Kyung Kim, Seung Up Kim, Jun Yong Park, Sang Hoon Ahr, Kwang-Hyun Han and Do Young Kim

2177: The Association of NTCP polymorphism (rs2296651) and the Risk of HBV Infection and Developing Hepatocellular Carcinoma
Natthaya Chuaypen, Sunchai Payungporn and Pisit Tangkijvanich

2178: Comparison of Hepatocellular Carcinoma Prediction Models Using Various Analyzes in Treatment Naïve Patients for Chronic Hepatitis B
Sang Bong Ahn, Dae Won Jun, Joo Hyun Sohn, Hyun Woo Oh, Jae Yoon Jeong, Hyo Young Lee, Bo-Kyeong Kang, Mimi Kim, Jaeha Kim, Jin Hwa Park, Dong Hee Koh and Byung Chul Yoon

2179: Baseline Platelet Is an Independent Predictor for Liver-Related Events after Antiviral Therapy for Compensated HBV-Related Cirrhosis
Xiaoning Wu, Jialing Zhou, Lin Wang, Yameng Sun, Xiaojuan Ou, Hong You, Jidong Jia, Guofeng Chen, Wen Xie, Huiguo Ding, Hui Ma, Anlin Ma and Youqing Xu

Thao Tran

2181: Socioeconomic Status Is Strongly Associated with Baseline Knowledge and Awareness of and Attitudes Towards Hepatitis B Virus Among Underserved Safety-Network Populations
Robert Wong and Mandana Khalili

**Hepatobiliary Carcinogenesis**

★2182: Development of a Lean Non-Alcoholic Fatty Liver Disease-Associated Hepatocellular Carcinoma Mouse Model
Shilpa Karanjit, Elizabeth Keuter, Dong Liu, Geoffrey Talmon and Paraskevi Farazi

★2183: Human Hepatocellular Carcinoma Metabolomic Profile in Non Alcoholic Fatty Liver Disease (NAFLD) According to Severity of Fibrosis
Camille Tellhct, Christelle Reyes, Robert Sabatier, Anne Sophie Biesse, Marie Paule Vasson, Armand Abergel and Aicha Demidem

★2184: Targeting TGF-β Pathway E3 Ligase PJA1 in Hepatocellular Carcinoma
Kazufumi Ohshiro, Jian Chen, Wilma Jogunoori, Chu-Xia Deng, Bibhuti Mishra, Shulini L and Lopa Mishra

★2185: Continuous Hepatocyte Apoptosis Accelerates Diethylnitrosamine-Induced Liver Tumor Development Via Oxidative Stress
Yasutoshi Nozaki, Hayato Hikita, Satoshi Tanaka, Naoki Mizutani, Sadatsugu Sakane, Yuki Makino, Tasuku Nakabori, Yoshinobu Saito, Takahiro Kodama, Ryotaro Sakamori, Tomohide Tatsumi and Tetsuo Takehara

★2186: LESTRegulates EMT Regulators and Stemness Gene Oct4 Via Wnt Dependent and Independent Pathways and Plays a Pivotal Role in Postoperative HCC Recurrence.
Jaw-Ching Wu, Chih-Li Chen, Yuh-Jin Liang and Chien-Wei Su

★2187: Yap1 As a Therapeutic Target in Fibrolamellar Carcinoma
Mark Jewell, Richard Premont, Jason Gibson, Wayne Glover, Timothy Dinh, Eliane Waithuthier, Lola Reid, Simon Gregory, Praveen Sethupathy, David Hsu and Anna Mae Diehl

★2188: Von Hippel-Lindau Protein Is Involved in the Cytotoxic Effect of Regorafenib in Hepatocellular Carcinoma Cells.
Shigeki Suemura, Takahiro Kodama, Hayato Hikita, Ryotaro Sakamori, Tomohide Tatsumi and Tetsuo Takehara

★2189: Chaperone-Mediated Autophagy Promotes Beclin1 Degradation in Persistently Infected HCV Cell Culture
Yucel Aydin, Christopher Stephens, Srinivas Chava, Zahra Heidari, Rajesh Panigrahi, Donkita Williams, Antoinette Bell, Wallace Wilson, Krzysztof Reiss and Srikanta Dash

★2190: Ribociclib Exerts Antitumoral Effects in HCC Cells with High Retinoblastoma-Protein Expression
Florian Paul Reiter, Gerald Denk, Andreas Ziesch, Andrea Ofner, Ralf Wimmer, Simon Hohenester, Matilde Spampatti, Liangtao Ye, Alexander Gerbes, Julia Mayerle and Enrico De Toni

★2191: Angiotensin Receptor Blockade Attenuates Cholangiocarcinoma Cell Growth By Inhibiting the Oncogenic Activity of Yes-Associated Protein
Yuki Tsujii, Kosuke Kaji, Soichiro Saikawa, Mitsuteru Kitade, Kei Moriya, Tadashi Namisaki, Takemi Akahane and Hitoshi Yoshiji

**Poster Viewing: 8:00 AM – 5:30 PM**

**Presenters in Attendance 12:30 – 2:00 PM**
Poster Sessions

2192: Why Women Develop Less Hepatocellular Carcinoma: The Centrality of ESR1 and the Estrogen Effect
Mamatha Bhat, Elisa Pasini, Chiara Pastrello, Max Kotlyar, Marc Angeli, Tomas Tokar, Gonzalez Sapisochin, Anand Ghanekar and Igor Jurisica

2193: Effects of a DPP4 Inhibitor on Progression of Nash-Related Hepatoma and DNA Synthesis Pathway Via p62/Keap1/Nrf2 in a Mouse Model: A Metabolomic Analysis
Takumi Kawaguchi, Dan Nakano, Hironori Koga and Takuji Torimura

2194: Whole-Genome Sleeping Beauty Mutagenesis Screens Identify the Hippo Pathway As the Driver of NAFLD-Related Hepatocellular Carcinoma
Takahiro Kodama, Jing Yi, Justin Newberg, Hao Wu, Milton Finegold, Takeshi Tamura, Tetsuo Takehara, Randy Johnson, Nancy Jenkins and Neil Copeland

2195: EpCAM-High Liver Cancer Stem Cells Show Resistance to Natural Killer Cell-Mediated Cytotoxicity Via CEACAM1 in Both in Vitro and In Vivo Models of Hepatocellular Carcinoma
Seung Kew Yoon, Dong Joon Park, Pil Soo Sung, Jung-Hee Kim, Seawon Hwang, Heechul Nam, Jong Young Choi and Sang Wook Choi

2196: The Combination Therapy of Targeting Asph and DNA Topoisomerase Inhibitor Suppresses Cholangiocarcinoma Progression
Katsuya Nagaoka, Chiung-kuei Huang, Chengcheng Ji, Xuewei Bai, Kevin Cao, Hongyu Zhang, Yutaka Sasaki and Jack Wands

2197: Histone Methyltransferase G9a Promotes Hepatocarcinogenesis By Regulating p53 Transactivity during DNA Damage Response
Takuma Nakatsuka, Keisuke Tateishi, Hiroyuki Kato, Hiroaki Fujiwara, Keisuke Yamamoto, Yotaro Kudo, Yasuo Tanaka, Hideaki Ijichi, Yoichi Shinkai and Kazuhiko Koike

2198: APOBEC3B Interaction with Polycomb Repressor Complex 2 Modulates the Cytokine to Enhance the Recruitment of Myeloid-Derived Suppressor Cell and Macrophages in Hepatocellular Carcinoma
Duowei Wang, Xianjing Li, Jiani Li, Yuan Lu, Sen Zhao, Yun Wang and Yong Yang

2199: Role of Unsaturated Fatty Acid-Associated Metabolic Changes in Preventing Hepatic Tumorigenesis
Soichi Kojima and Xian-Yang Qin

2200: Prognostic Impact of Immune Checkpoint Inhibitor Expression and Its Association with Epithelial-to-Mesenchymal Transition in Hepatocellular Carcinoma
Ritu Shrestha, Prashanth Prithiviraj, Kim Bridle, Matthew Anaka, Darrell Crawford and Aparna Jayachandran

2201: Direct Activation of MAP3K2 By microRNA-93-5p Promotes Proliferation of Hepatocellular Carcinoma
Xuan Shi, Ji-Min Zhu, Xiang-Nan Yu, Enkhnaran Bilegsaikhan, Guangqi Song, Tao-Tao Liu, Xi-Zhong Shen, Xue-Mei Jiang and Ju Xiong

2202: Glypican 3 (GPC3) Modulates p-Ezrin Dependent Hippo Pathway Via Cross Talking with HGF/c-Met Axis in Hepatocytes and Hepatocellular Carcinoma (HCC)
Yuhua Xue, Wendy Mars, William Bowen, Anne Orr, John Stoops and George Michalopoulos

2203: Hepatocyte Hedgehog Signaling Promotes NAFLD-Associated Liver Carcinogenesis through Inhibiting CD8+ T Cell Mediated Anti-Tumor Immunity
Kyoungsub Song, Hyunjoo Kwon, Weina Chen, Jinqiang Zhang, Wenbo Ma, Chang Han and Tong Wu

2204: The Farnesoid X Receptor (FXR) Agonist Edp-305 Reduces Ascites and Hepatocellular Carcinoma Development in a Rat Model of Cirrhosis
Sarani Ghoshal, Gunisha Arora, Ricard Masia, Mozdeh Sojoodi, Diego Dos Santos Ferreira, Peter Caravan, Yang Li, Guoqiang Wang, Yat Sun Or, Liujuan Jiang, Kenneth Tanabe and Bryan Fuchs

2205: Hepatic Stellate Cells Support the Progression of HCC and Metastasis to Liver in Mouse Model.
Ravi Chakra Turaga, Malvika Sharma, Hua Yang, Hans Grossniklaus and Zhi-Ren Liu

2206: NADPH Oxidase 1 Drives Hepatocellular Carcinoma Formation By Promoting Liver Inflammation
Shuang Liang, Tatiana Kisseleva and David Brenner

2207: Baicalein Regulates Hepatocellular Carcinoma Cell Proliferation and Chemosensitivity Via Mir-181a-5p-Mediated Regulation of notch2-c-Myc Cyclin A2/CDK2 Signaling
Ying Guo, Jun Li, Zhengzhen Li, Jing Tian, Mengchen Zhu, Chen Zhang, Hongwei Tian, Guangyao Kong, Jun Yang and Zongfang Li

2208: Targeting the Warburg Effect in Hepatocellular Carcinoma: An Efficient Way to Potentiate Cisplatin-Induced Anti-Tumor Effects.
Shamir Cassim, Valérie-Ann Raymond and Marc Bilodeau

2209: In Vivo Cirrhotic Mouse Model to Predict Hepatocellular Carcinoma Biological Behavior
Daniel Huang, Lei Zhou, Mark Muthiah, Poh Seng Tan, Alfred Kow, Iyer Shridhar, Aileen Wee, Seng Gee Lim, Nur Halisah Jumat, Guan Huei Lee and Yock Young Dan

2210: RFX5 Could Promote Hepatocellular Carcinoma Progression Via Transcriptional Activation of KDM4A.
Dongbo Chen, Xingyang Wang, Xianjing Li, Jiani Li, Yuan Lu, Sen Zhao, Yun Wang and Yong Yang

2211: TAP-1 Mediates Chemoresistance through the Hedgehog Signaling Pathway in Poorly-Differentiated Hepatoma Cells
Jia Ding, Xiaotian Zhou, Yufeng Zhang and Jian Wu
2212: Development and Characterization of a Three-Dimensional Patient-Derived Culture Model of Colorectal Cancer Liver Metastasis  
Dipa Natarajan, Edoardo D’Angelo, Martina Piccoli, Marco Agostini and Luca Urbani

2213: Immune Response to Tumor-Associated Antigens and Immune Cell Profiles in NASH-Related Hepatocellular Carcinoma  
Takuya Seike, Eishiro Mizukoshi, Yuki Inada, Toshikatsu Tamai, Northo Iida, Masaaki Kitahara, Tatsuya Yamashita, Kuniaki Arai, Takeshi Terashima, Kazumi Fushimi, Taro Yamashita, Masao Honda and Shuichi Kaneko

2214: Acquisition of Stem-like Features in Human Cholangiocarcinoma Is Associated with an Oxidative Metabolism  
Chiara Raggi, Nadia Navari, Maria Letizia Taddei, Elena Sacco, Margherita Correnti, Benedetta Piombanti, Matteo Ramazzotti, Ivan Orlandi, Paola Chiarugi and Fabio Marra

2215: SGLT2 Inhibitor Altered Metabolic Reprograming and Suppressed Proliferation of Hepatocellular Carcinoma: A Metabolomic Analysis  
Takumi Kawaguchi, Dan Nakano, Hideki Iwamoto, Masako Hayakawa, Hironori Koga and Takuii Torimura

2216: Preventive Castration and Pharmacologic Antagonism of the Androgen Receptor Have Unique Mechanisms of Action in the Inhibition of Hepatocellular Carcinogenesis  
Timothy Helms, Jennifer Thomas-Ahner, Moray Campbell, Steven Clinton and Christopher Coss

2217: CKD5, a Novel Pan-Histone Deacetylase Inhibitor, Synergistically Enhances the Efficacy of Sorafenib for Hepatocellular Carcinoma  
Young Chang, Seong Hee Kang, Eun Ju Cho, Hyo-Young Lee, Jun Sik Yoon, Jeong-Hoon Lee, Su Jong Yu, Yoon Jun Kim and Jang-Hwan Yoon

2218: Extracellular Vesicle-Mediated Transfer of Microrna-195 Inhibits Cholangiocarcinoma Cell Proliferation By Regulating the Epithelial–Mesenchymal Transition  
Yu Ota, Kenji Takahashi, Shin Otake, Yosui Tamaki, Mitsuyoshi Okada, Kazunobu Aso, Hidetaka Iwamoto, Keisuke Yamakita, Yohei Kitano and Tsubuki Ota

2219: CAMSAP2-Mediated Noncentrosomal Microtubule Acetylation Promotes Hepatocellular Carcinoma Metastasis and Indicates Poor Prognosis  
Dongxiao Li, Xiangming Ding, Dean Tain, Minxia Li and Deyu Li

2220: Cholesterol Enhances Hepatocellular Carcinoma Induced By Endogenous Chronic Endoplasmic Reticulum Stress and Hypernutrition  
Vicente Ribas, Laura Conde De La Rosa, Carmen Garcia-Ruiz and Jose Fernandez-Checa

2221: 4-Methylumbelliferone improves Antitumor Immune Response Induced By Interleukin-12 By Decreasing the Expression of CD47 on Cancer Stem Cells in Mice with Advanced Hepatocellular Carcinoma  
Marcelo Rodriguez, Esteban Fiore, Juan Bayo Fina, Catalina Atorrasagasti, Mariana Garcia, Agostina Onorato, Luciana Dominguez, Mariana Malvicini and Guillermo Mazzolini

2222: Inhibition of Fibroblast Growth Factor Receptor 4 Augments the Anti-Tumor Effect of Multikinase Inhibitors in Hepatocellular Carcinoma  
Hiroaki Kanzaki, Tetsuhiro Chiba, Kengo Kanayama, Takahiro Maeda, Sadahisa Ogasawara, Eiichiro Suzuki, Yoshikiko Ooka, Hitoshi Maruyama and Naoya Kato

2223: Nuclear Paraspeckles in Chemoresistance and Poor Survival in HCC  
Sonja Kessler, Kevan Hosseini, Usama Hussein, Kyoung Min Kim, Markus List, Christina Schultheiss, Marcel Schulz, Stephan Laggai, Kuo Yun Jang and Alexandra Kiemer

2224: DNA Methylation Level of 10 CpG Sites on 8 Specific Genes in Non-Cancerous Liver Tissues Is Useful to Predict Multicentric Recurrence of Hepatocellular Carcinoma after Surgical Resection  
Takuii Torimura, Hideki Iwamoto, Atsutaka Masuda, Mitsuhioko Abe, Hiroyuki Suzuki, Toru Nakamura, Takahiko Sakaue, Toshimitsu Tanaka, Ken Yamamoto, Hirohsa Yano and Hironori Koga

2225: TFCP2L1 Promoted Self-Renewal of Hepatocellular Carcinoma Cells Which Provided a Potential Therapeutic Target for Hepatocellular Carcinoma Treatment  
Dongbo Qiu, Changchang Jia, Zhicheng Yao, Zexiao Lin and Tiantian Wang

2226: CXCR7 Contributes to the Effects of CXCL12 on the Aggressive Phenotype of Cholangiocarcinoma (CCA) Cells  
Alessandra Gentilini, Krista Rombouts, Massimo Pinzani, Chiara Raggi, Margherita Correnti, Pietro Invernizzi, Elisabetta Rovida, Nadia Navari, Giulia Lorj, Carlotta Raschioni, Matteo Donadon, Luca Di Tommaso and Fabio Marra

2227: FABP4-Mediated Proliferation and Migration of Human HCC Cell Lines Is Dependent on Phospho-Erk1/2 Activity  
Michael Patetta, Rebecca Austin, Jakovin Lee, W Jacobs, Iain McKillop and Kyle Thompson

2228: The Expression, Prognosis and Functional Role of CD105 in Hepatocellular Carcinoma  
Ming-Tsung Lin, Kuo-Chin Chang, Yi-Hao Yen, Ming-Chao Tsai, Po-Lin Tseng and Tsung-Hui Hu

2229: Deregulation of GATA6 Defines Stem Cell-like Properties in Hepatocellular Carcinoma  
Han Wei Tan, Irene Ng and Regina Lo

2230: Hypoxia Regulates Epithelial-Mesenchymal Transition (EMT) in Hepatocellular Carcinoma Cells Via Promoting Bves Methylation  
Yu Lei, Ping Han, Zhuoying Lin, Wei Yan and Dean Tian

Poster Viewing: 8:00 AM – 5:30 PM  247A Presenters in Attendance 12:30 – 2:00 PM

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Poster Sessions

2231: Phenylboronic Acid Conjugated Doxorubicin Nanocomplex As a Delivery System for Anticancer Drugs in Hepatocellular Carcinoma
Seung Kew Yoon, Byung-Yoon Kang, Wonhee Hur, Jung-Hee Kim and Won Jong Kim

2232: Nucleotide Excision Repair Function of General Transcription Factor Subunit 2 in the Development and Sex Disparity of Hepatocellular Carcinoma
Yanmeng Li, Jian Huang and Anjian Xu

2233: Preclinical Efficacy of Novel Dual PI3K/mTOR Inhibitor CMG002 As Potential Anti-Hepatocellular Carcinoma Agent
Mi Na Kim, Seung Min Lee and Seong-Gyu Hwang

2234: Tyrosine Kinase SYK Is Upregulated in Early Stage Intrahepatic Cholangiocarcinoma and Promotes Tumor Progression
Hui Yuan, Peng Chen, Fengsheng Chen, Yuchuan Jiang, Qiaotong Hu, Jacinta Holmes, Zelong Lin, Xijun Chen, Yuchen Zhou, Jianhui Li, Zhenghui Song, Xiaojun Luo, Weiming Li, Wenyu Lin, Aimin Lin, Raymond Chung and Jian Hong

2235: Dipeptidyl Peptidase 4 Inhibitors Reduce the Progression of Hepatocellular Carcinoma By Activating T Cell and Natural Killer Cell Chemotaxis in Mice
Sojhi Nishina, Kyo Sasaki, Koji Hara, Takumi Kawaguchi, Takuki Torimura and Keisuke Hino

2236: SYK Antagonist and Regorafenib Combination Treatment Attenuates the Growth and Metastatic Potential of Hepatocellular Carcinoma in Orthotopic Mouse Models of Liver Fibrosis
Yuchuan Jiang, Peng Chen, Xie Weng, Guanqi Dai, Jacinta Holmes, Kaishun Hu, Jian Ruan, Hui Yuan, Zelong Lin, Chen Qu, Xijun Chen, Lu He, Jianhui Li, Weiming Li, Aimin Li, Raymond Chung and Jian Hong

2237: Comprehensive mRNA Expression Analysis and Multispectral Immunohistochemistry Revealed Differential Recruitment of HLA Class II DPB1+CD68-Myeloid Cells into Hepatocellular Carcinoma Tissues in Patients with Chronic Hepatitis C.
Katsushi Hiramatsu, Takuto Nosaka, Tatsushi Naito, Kazuya Oluji, Hidetaka Matusda, Masahiro Ohtani, Tomoyuki Nimoto and Yasunari Nakamoto

2238: Essential Meiotic Structure-Specific Endonuclease 1 (EME1) Mediates IRS1-PI3K-Akt to Promote Hepatocarcinogenesis
Dong Ji, Yi-Jin Wang, Qing Shao, Jingmin Zhao and Guofeng Chen

2239: Stil Was Capable of Promoted Hepatocellular Carcinoma Via HGF-MET Signaling Pathway
Yong Guo, Junhong Wang, Yuan Wang, Ning Gao and Zhe Ma

2240: Treatment of Hepatocellular Carcinoma Using 2-Deoxy-D-Glucose Encapsulated in PLGA Nanoparticles in Mice.
Kyo Sasaki, Sojhi Nishina, Koji Hara and Keisuke Hino

2241: PI3Kγ Inhibition Enhances the Anti-Cancer Effect of Cytokine-Induced Killer or Natural Killer Cell Therapy in Hepatocellular Carcinoma.
Jung-Hwan Yoon, Joon Yeul Nam, Young Chang, Hyo Young Lee, Yun Bin Lee, Eun Ju Cho, Jeong-Hoon Lee, Su Jong Yu and Yoon Jun Kim

2242: Exosomal IL-10 Induce the Production of Peripheral T Helper Cells That Promotes Hepatocellular Carcinoma Progression
Linsen Ye, Yunhao Chen, Zenan Yuan, Hui Tang, Yinan Deng, Guoying Wang, Yang Yang, Qi Zhang and Guihua Chen

2243: Endothelial Cells Enhance Invasive Properties of HBx-Transfected Hepatoma Cells By Inducing Epithelial-Mesenchymal Transition.
Preey Rawal, Mohsin Hasan Bhat, Sumati Rohilla, Hamda Siddiqui, Manish Choudhary, Vikrant Nain, Nirupma Trehanpathi and Savneet Kaur

2244: Claudin-2 Activates LKB1-AMPK Signals, Thereby Inducing Cell-Cycle Arrest and Autophagy in Liver Cells
Hironori Koga, Yasuko Imamura, Fumikazu Wada, Mitsuhiro Abe, Hideki Iwamoto, Toru Nakamura, Takahiko Sakaue, Atsutaka Masuda, Toshimitsu Tanaka, Hirohisa Yano and Takuji Torimura

2245: Stem Cell Feature and Immune-Suppressive Microenvironment in Human Hepatocellular Carcinoma
Naoshi Nishida and Masatoshi Kudo

2246: Dysregulation and Functional Roles of Long Non-Coding RNA TUC353 in Hepatocellular Carcinoma
Satoshi Takai, Takayuki Kogure, Jun Inoue, Eiji Kakazu, Masashi Ninomiya, Tomoaki Iwata, Takuya Nakamura, Akitoshi Sano and Atsushi Masamune

2247: Hypomethylation of Long Interspersed Nuclear Element-1 (LINE-1) Leads to Activation of CD133 and ST18 in Hepatocellular Carcinoma
Yu Rim Lee, Kyunghwa Kim, Soo Young Park, Hur Keun, Se Young Jang, Won Young Tak, Young Oh Kweon, Gyuon Eun Kang, Jong Won Seo, Jung Gil Park and Hye Won Lee

2248: FoxM1 Transcription Factor Links Hepatic Inflammation to Fibrosis and Carcinogenesis in Mice
Tomohide Kurahashi, Yuichi Yoshida, Satoshi Obara, Mayumi Egawa, Kunimaro Furuta, Yoshihiro Kamada, Shinichi Kiso, Takahiro Kodama, Hayato Hikita, Ryotaro Sakamori, Tomohide Tatsumi and Tetsuo Takehara

2249: Hypoxia Increases Tim-3 on Macrophages By Reducing ADAM-Mediated Tim3 Shedding
Feifei Liu, Yanning Liu, Guohua Lou, Haihong Zhu, Min Zheng, Jianer Wu, Feng Chen, Feng Chen and Zhi Chen

2250: Hepatocellular Carcinoma Progression: The Role of Androgen Receptor in Migration and Invasion
Anees Dauki, James Blachly, Mohamed Abdel-Rahman and Christopher Coss
2251: Cacybp, Under the Control of RNF41-Mediated Degradation, Promotes P27Kip1’s Cytoplasmic Retention and Cell Growth in Hepatocellular Carcinoma
Yifan Lian, Yanlin Huang, Dongmei Chen, Jialiang Wang, Huan Wei, Hongbo Wang, Meihai Deng and Yuehua Huang

2252: Inactivation of Transcriptional Repressor Capicua Confers Chemoresistance to Sorafenib in Hepatocellular Carcinoma
Tomomi Hashiba, Taro Yamashita, Hikari Okada, Kouki Nio, Takehiro Hayashi, Masao Honda and Shuichi Kaneko

2253: WITHDRAWN

2254: Dickkopf-1 Is a New Molecular Target for the Treatment of Hepatocellular Carcinoma
Tsuyoshi Suda, Taro Yamashita, Hikari Okada, Tomomi Hashiba, Yoshiro Asahina, Tomoyuki Hayashi, Takehiro Hayashi, Kouki Nio, Hajime Sunagotzaka, Hajime Takatori and Shuichi Kaneko

2255: The Mechanism Study of Centromere Protein F Translocation for Autoantibody Production in Hepatocellular Carcinoma
Xiaojin Li, Anjian Xu, Donghu Zhou, Bei Zhang and Jian Huang

2256: Dead Box Protein 5 Inhibits Hepatocarcinogenesis Via Autophagy Promotion and Disrupting p62/TRAF6 Interaction
Hao Zhang, Yanqi Zhang, Xiaoyun Zhu and Lingyi Kong

2257: EFTUD2 Regulates Invasion and Metastasis of Hepatocellular Carcinoma By Inducing Epithelial-Mesenchymal Transition
Mengxian Tu, Ling Li, Anjia Xu, Donghu Zhou, Bei Zhang and Jian Huang

2258: The Potential Mechanisms of Statins in Hepatocellular Carcinoma Prevention
Ezequiel Ridruejo, Zahira Deza, Giselle Romero Caimi, Daniel Saenz, Gustavo Calvo, Diana Kleiman De Pisarev and Laura Alvarez

2259: Large-Scale Prediction of a-to-l RNA Editing Events in Human Hepatocellular Carcinoma
Guangqi Song, Yicheng Zhao, Ji-Min Zhu and Xi-Zhong Shen

2260: FOXO1 Is a Tumor Suppressor Downstream of AKT in HCC Pathogenesis
Shu Zhang and Xin Chen

2261: Reciprocal Changes in ARID1A and EZH2 Are Associated with Cholangiocarcinoma Development in a Mouse Model of Caroli Disease with High YAP Expression
Eleanna Kaffe, Carla Sperl, Romina Fiorotto, Massimiliano Cadamuro, Valeria Mariotti, Luca Fabris and Mario Strazzabosco

2262: Increased Musashi2 in Activated Hepatic Stellate Cells Helps to Sustain Stemness of Tumor Cells, and Promotes Progression of Hepatocellular Carcinoma
Lu He, Dandan Zheng, Yuchuan Jiang, Peng Chen, Xie Weng, Chen Qu, Xiaojun Luo, Jian Ruan, Qiaoting Hu, Kaishun Hu, Yuchen Zhou, Zhenghui Song, Jacinta Holmes, Wenyu Lin, Aimin Li, Raymond Chung and Jian Hong

2263: MTAP-ANRIL Fusion Gene Promotes Tumor Metastasis in Hepatocellular Carcinoma By JNK/c-Jun Signaling Pathways
Zhuoying Lin, Huaping Xie, Limin Xia, Wei Yan and Dean Tian

2264: Loss of c-Jun N-Terminal Kinases in Hepatocytes Promotes Cytosogenesis in NEMO-Deficient Mice
Mohamed Ramadan Mohamed, Francisco Javier Cubero, Roger J. Davis, Marius Maximilian Woltok and Christian Trautwein

2265: Prohibitin 1 Induced Apoptosis in Human Hepatocellular Carcinoma Cells Via the p53-Mediated Mitochondrial Pathway
Jianjun Sun, Jing Yang, Pengping Wu, Mei Li, Xiaoli Jia, Xin Zhang, Ning Gao, Xiongtao Liu and Shuangguo Dang

2265A: Large-Scale Prediction of a-to-I RNA Editing Events in Human Hepatocellular Carcinoma
Guangqi Song, Yicheng Zhao, Ji-Min Zhu and Xi-Zhong Shen

2265B: Role of the Long Non-Coding RNA H19 in the Context of Hepatocellular Carcinoma
Maria de los Angeles Rojas, Antonio Gil-Gomez, Rocio Muñoz-Hernández, Yolanda Sánchez-Torrijos, Rocío Gallego-Duran, Maria Del Carmen Rico, Teresa Ferrer Rios, Javier Padillo, Jordi Muntane, Javier Ampuero and Manuel Romero-Gomez

2265C: Loss of Hepatic RuvBL1 Causes Chronic Liver Damage and Regeneration, Promoting Hepatocellular Carcinoma.
Tommaso Mello, Maria Materozzi, Irene Simeone, Francesca Zanieri, Elisabetta Ceni, Simone Polvani, Mirko Tarocchi, Oxana Bereshchenko and Andrea Galli

NAFLD and NASH: Clinical II

2266: Sarcopenia Is Less Prevalent in an Obese Population with NAFLD Compared to Patients with Obesity Alone, but Increases with Severity of Disease
Wilhelms Kwanten, Charlotte De Fré, Maxime De Fré, Luisa Vonthia, Thomas Vanwolleghem, Peter Michielsen, Bart Op De Beeck, An Verrijken, Eveline Dirink, Luc Van Gaal and Sven Francque

2267: New Dietary Tool to Assess Nutritional Deficiencies in a NAFLD Population: A Simple Tool for Primary Care.
Carla Bredin, Sara Naimimohasses, Suzanne Norris, Ciara Wright, Kathryn Hart and J. Bernadette Moore
Poster Sessions

2268: Rising and Higher Healthcare Resource Utilization (HCRU) and Costs of Nonalcoholic Fatty Liver Disease (NAFLD)/Nonalcoholic Steatohepatitis (NASH) Patients with Advanced Liver Disease of Increasing Severity - Results of a US Real-World Analysis
Robert Wong, Nandita Kachru, Nicole Meyer and Stuart Gordon

2269: MR Elastography Correlates with Liver Outcomes in Patients with Nonalcoholic Fatty Liver Disease (NAFLD): A Multi-Center Study
Ma Ai Thanda Han, Jonathan Grotts, Rola Saouaf, Walid Ayoub, Andrea Scott, Mahsa Mansouri, Mary Barbara, Matthew Tjahja, Toluwalase Okubote, Shelly Lu, Eric Lawitz, Naim Alkhouri and Mazen Noureddin

2270: Serum Markers of Collagen Formation Are Associated with Key Histological Features of Non-Alcoholic Steatohepatitis (NASH) and to Renal Function in a NAFLD Cohort
Samuel Daniels, Diana Leeing, Federica Genovese, Morten Karsdal and Leon Adams

2271: Fat Accumulation, Liver Damage and Metabolic Abnormalities in Chinese NAFLD Patients with Moderate/Severe Hepatic Steatosis
Wei Zhang, Elizabeth Wu, Yi Wang, Rui Huang, Srananthi Kaza, Anqi Li, Chao Sun, Huiying Rao, Lai Wei, Grace Su and Anna Lok

2272: Chelation Therapy Ameliorates Hepatic Steatosis in Patients with Chronic Lead Poisoning
Tongluk Teerasarntipan, Roongruedee Chaieteerakij and Piyapan Pruksapanich

2273: Association between Diastolic Cardiac Dysfunction and Nonalcoholic Fatty Liver Disease: A Systematic Review and Meta-Analysis
Karn Wijarnpreecha, Susan Lou, Panadeekarn Panjawatanan, Wisit Cheungpasitporn, Omar Mousa, Surakit Pungpapong, Frank Lukens and Patompong Ungprasert

2274: Cenicriviroc Treatment over 2 Years Results in Clinically Meaningful and Sustained Improvement in Fibrosis in Adults with Nonalcoholic Steatohepatitis and Severe Liver Fibrosis
Manal Abdelmalek, Nicolas Lanthier, Mario Chojkier, Johannes Kluew, Andrew Fowell, Jiacheng Yuan, Jean Paul Nicandro, Star Seyedkazemi, Laurent Fischer, Zachary Johnson Cheng, Xuan Banh, Fabrina Hossain, Leigh Horsfall, Kelly Hayward, Suzanne Williams, Tracey Johnson, Nigel Brown, Nivene Saad, Katherine Stuart, Anthony Russell, Patricia Valery, Katharine Irvine, Andrew Clouston, Anne Bernard and Elizabeth Powell

2275: Low Eligibility for Phase 3 Clinical Trials in a Real-Life Cohort with Nonalcoholic Steatohepatitis
Albert Do, Ysabel Iliagan-Ying, Jin Xu and Joseph Lim

2276: Factors Associated with Nonalcoholic Fatty Liver Disease in HIV
Alyson Kaplan, Tracey Simon, Jacqueline Henson, Stephanie Osganian, Donald Chute, Kristine Erlandson, Jordan Lake and Kathleen Corey

2277: 3D ACE: Attenuation Coefficient Estimation in 3D for the Detection of Hepatic Steatosis
Farah Deeba, Shahed Mohammed, Caitlin Schneider, Mohammad Honarvar, Edward Tam, Robert Rohling and Septimiul Salcudean

2278: Non-Alcoholic Fatty Liver Disease Is Not an Independent Risk Factor for Chronic Kidney Disease
Takemi Akahane, Tadashi Namisaki, Kei Moriya, Hitodo Kawaratan, Kosuke Kaji, Hiroaki Takaya, Naotaka Shimozato, Shinya Sato, Yasuhiko Sawada, Kenchiro Seki, Keisuke Nakamishi, Masanori Furukawa, Yukihisa Fujinaga, Yuki Tsuji and Hitoshi Yoshiji

Eliot Tapper, Maria-Magdalena Balp, Nancy Krieger, Raymond Przybysz, Nate Way, Jennifer Cai, Dion Zappe, Sarah jane Mckenna, Garth Wall and Nico Janssens

2280: Lifestyle Modification in Patients with Non-Alcoholic Fatty Liver Disease: The Main Barrier Is Motivation to Change, Not Knowledge
Lisa Glass, Jane Wong, Robert Fontana, Eliot Tapper, Michael Volk, Anna Lok and Monica Konerman

2281: Advanced Fibrosis Is Associated with Longitudinal Increases in Fibrosis-4 and NAFLD Fibrosis Scores
Preya Patel, Johnson Cheng, Xuan Banh, Fabrina Hossain, Leigh Horsfall, Kelly Hayward, Suzanne Williams, Tracey Johnson, Nigel Brown, Nivene Saad, Katherine Stuart, Anthony Russell, Patricia Valery, Katharine Irvine, Andrew Clouston, Anne Bernard and Elizabeth Powell

2282: Disease-Induced AIM Dissociation from IgM in Serum and Its Application for HCC Diagnosis
Tomoko Yamazaki, Takeshi Okanoue, Toshihide Shima and Toru Miyazaki

2283: Diagnostic Accuracy of Fibrosis Stage of Nash in Combination with Biomarkers and Transient Elastography
Toshihide Shima, Masatake Nishiwaki, Hirohisa Oya, Takayuki Katayama, Yasuhide Mitsumo, Kyoko Sakai, Masayuki Mizuno, Yoshio Kanbara and Takeshi Okanoue

Michael Le, Yee Hui Yeo, Sally Tran and Mindie Nguyen

2285: Combination of Shear-Wave Elastography and Liver Fibrosis Markers Predicts Severe Fibrosis in Patients with Non-Alcoholic Steatohepatitis
Miwa Kawanaka, Ken Nishinio, Katsunori Ishii, Noriyo Urata, Tomohiro Tanikawa, Jum Nakamura, Mitsuhiro Suehiro, Takako Sasa, Miyako Yamashita, Noriaki Manabe and Hirofumi Kawamoto

Rohit Loomba, Jeremy Fraysse, Suying Li and Stephen Harrison

★ Denotes AASLD Presidential Poster of Distinction 250A  Denotes AASLD Foundation Abstract Award Recipient
Poster Sessions

2287: Clinical Characteristics and Long-Term Outcomes of Lean Caucasian Patients with Non-Alcoholic Fatty Liver Disease. A Longitudinal International Study.
Ramy Younes, Olivier Govaere, Salvatore Petta, Luca Miele, Anna Ludovica Fracanzani, Chiara Rosso, Antonio Liguori, Paolo Francione, Mohammed Eslam, Luca Valentini, Jacob George, Quentin Anstee and Elisabetta Bugianesi

2288: Differences in the Severity of Pediatric Non-Alcoholic Fatty Liver Disease in Patients with Varying Degrees of Obesity
Aradhna Seth, Chunyun Liu, Lin Fei, Ana Catalina Arce-Clachar, Kristin Bramlage, Stavra Xanthakos and Marialena Mouzaki

2289: Differential Regulation of microRNAs in Nonalcoholic Fatty Liver Disease
Hirsh Trivedi, Ghideon Ezaz, Kellie Howard, Sally Dow, Cara Lord, Matthew Toma, Mark Parrish, Margery Connelly, Claudia Filozof, Z. Jiang and Michelle Lai

2290: The Attitudes of Patients with Nonalcoholic Fatty Liver Disease Towards Participation in Placebo-Controlled Clinical Trials: Results from a Multicenter Survey
Rui Huang, Huiying Yao, Fangfang Lv, Yuemin Nan, Wanhua Ren, Yan Huang, JUN LI, Hong Tang, Yuan Huang, Naga Chalasani and Lai Wei

2291: Advanced Magnetic Resonance Imaging Techniques Show High Association between Region of Proton Density Fat Fraction: A Post Hoc Analysis of Phase 2 BMS-986036 Data
Shuyuan Du, Wendy Hayes, Edgar Charles, Jonathan Riek, Rose Christian and Matthew Fronheiser

2292: Genetic Background of Alcoholic Liver Disease and Non-Alcoholic Fatty Liver Disease Patients
Tomomi Kogiso, Takami Sagawa, Kauhisa Kodama, Makiko Tanai and Katsutoshi Tokushige

2293: Portal Vein Thrombosis and Not the Nash Etiology Poorly Among Mexican/Central American Patients
Jessica Davis, Zachary Henry, Curtis Argo and Patrick Northup

2294: Association between the Area in Hepatocytes with Lipid Droplets and Plasma Metabolic Parameters in Patients with Nonalcoholic Fatty Liver Disease (NAFLD).
Eiji Kakazu, Akitoshi Sano, Tatsuki Morosawa, Jun Inoue, Masashi Ninomiya, Tomoaki Iwata, Satoshi Takai, Takuya Nakamura, Tooru Shimosegawa and Atsushi Venancio

2295: Validation of a New Quantitative Blood Test, Nash-Fibrotest-2 (NF-2), for Assessing Nash Severity in a Phase 2 Clinical Trial of Selonsertib
Valentina Peta, Saumya Jayakumar, Parvez Mantry, Eric Lawitz, Stephen Djadjos, Manu Subramanian, Robert Myers, Anna Mae Diehl, Stephen Caldwell, Michael Charlton, Nezam Afzal, Zachary Goodman, Thierry Poynard and Rohit Loomba

2296: Genetically Regulated Bilirubin and Risk of Nonalcoholic Fatty Liver Disease: A Mendelian Randomization Study
Lai Liao, Ping An, Xinyong Jia, Xiaobian Yue, Sujun Zheng, Shuang Liu, Yu Chen, Cheryl A Winkler and Zhongping Duan

2297: NON-Invasive Biomarkers to Monitoring LIVER Disease Progression in Nash Patients
Fernanda Malta, Rodrigo Lima, Ana Paula Salles, José Tadeo Stefano, Daniel Mazo, Venancio Alves, Flair Carrilho, João Renato Pinho and Claudia Oliveira

2298: A Novel Automatic Digital Algorithm That Accurately Quantifies Steatosis in NAFLD on Histopathological Whole Slide Images
Isabelle Munsterman, Merijn Van Erp, Gert Weijers, Carolien Bronkhorst, Chris De Korte, Joost Drenth, Jeroen Van Der Laak and Eric Tjwa

2299: Expanding the Use of the Vcte XL Probe in Morbid Obese NAFLD Patients: Validation of a New Automated Adaptive Measurement Depths Algorithm in a Large Multicenter Cohort
Michel Clet, Peter Eddowes, Michael Allison, Emmanuel Tsochatzis, Quentin Anstee, David Sheridan, Indra Guha, Jeremy Cobbold, Valerie Paradis, Pierre Bedossa, Celine Fournier, Laurent Sandrin, Veronique Miette and Phillip Newsome

2300: Effect of Severe Hepatic Impairment on the Pharmacokinetics of Cenicriviroc and Its Metabolites
Surya Avalasomayajula, Li Yao, Edward Kaczynski, Alexandru Iacob, Star Seyedkazemi, Eric Lefebvre and Ramesh Boinpally

2301: Prevalence and Long-Term Outcomes of Non-Alcoholic Fatty Liver Disease (NAFLD) Among Elderly Individuals from the United States
Pegah Golabi, James Paik, Elisabetta Bugianesi, Gregory Trimble, Alita Mishra and Zobair Younossi

Yolanda Sánchez-Torrijos, Domingo Pérez Palacios, Javier Ampuero, Rocio Gallego-Duran, Helena Pastor-Ramírez, Vlad Ratzlau and Manuel Romero-Gomez

2303: Clinical Fibrosis Prediction Scores Perform Poorly Among Mexican/Central American Patients with NAFLD
Maya Balakrishnan, RuchI Gaba, Shilpa Jain and Aaron Thrift

2304: Doctor’s Orders: The Relationship of Physician Counseling to Weight Loss Among Non-Alcoholic Fatty Liver Disease Patients, an Observational Cohort Study Using National Health and Education Survey Data
Jessica Davis, Zachary Henry, Curtis Argo and Patrick Northup

2305: Steatosis and Obesity - New Emerging Risk Factors for Cholangiocarcinoma
Raluca Pais, Raffaele Brustia, Laetitia Fatoux, Elodie Timsit, Olivier Rossmorduc, Olivier Scatton and Vlad Ratzlau
2306: Sarcopenia Is Associated with Advanced Liver Fibrosis in Patients with Non-Alcoholic Fatty Liver Disease.
Min Kyu Kang, Jung Gil Park, Min Cheol Kim, Soo Young Park, Heon Ju Lee, Won Young Tak, Young-Oh Kweon, Se Young Jang and Yu Rim Lee

2307: Long-Term Outcomes of Health Checkup in Patients with Nonalcoholic Fatty Liver Disease with Intermediate Risk of Advanced Fibrosis
Masashi Hirooka, Yohei Koizumi, Takaaki Tanaka, Yusuke Imai, Kotaro Sunago, Atsushi Yuki moto, Takao Watanabe, Osamu Yoshida, Masanori Abe and Yoichi Hiasa

2308: Plasma Proteomic Signature in Patients with Nash Treated with OMEGA-3: Perspectives of Knowing Mechanism of Action.
Lívia Okada, Claudia Oliveira, José Tadeu Stefano, Monize Nogueira, Fernanda Cordeiro, Venancio Alves, Raquel Torrinhas, Flair Carrilho and Dan Waltzberg

2309: Can Simple Liver-Disease Related Algorithms Help Provide Better Primary Care?
Auguste Byiringiro, Marc Tourneur and Hawley Linke

2310: Awareness of Nonalcoholic Fatty Liver Disease Is Increasing but Remains Very Low in a Representative United States Cohort
Amandeep Singh, Rocio Lopez, Mazen Noureddin, Eric Lawitz and Naim Alkhouri

2311: Liver Fibrosis Is Associated with Risk for Colorectal Adenoma in Patients with Non-Alcoholic Fatty Liver Disease
Min Cheol Kim, Jung Gil Park, Min Kyu Kang, Soo Young Park, Heon Ju Lee, Won Young Tak, Young-Oh Kweon, Se Young Jang and Yu Rim Lee

2312: Evaluation and Comparison of Four Noninvasive Tests for Detection of Advanced Fibrosis in Nonalcoholic Fatty Liver Disease (NAFLD)
Katharina Stauffer, Rongmarceusc, Barbara Obermayer-Pietsch, Judith Stift, Karoline Lackner, Michael Trauner and Rudolf Stauber

2313: Effect of Alcohol Consumption on Biochemical and Histological Features of Patients with Biopsy-Proven Steatohepatitis
Ang Huang, Binxia Chang, Ying Sun, Guangju Teng and Zheng-Sheng Zou

2314: The Association between Polycystic Ovary Syndrome and Nonalcoholic Fatty Liver Disease
Muhammad Taile Sarmini, Mohammad Asfari, Yasser Al-Khadr, Yamen Ezaizi, Srinivasan Dasarathy and Arthur McCullough

2315: Discovery of Molecular Networks and Associated Serum microRNA Profiles in Patients with Nonalcoholic Steatohepatitis and Bridging Fibrosis Relative to Those with Nonalcoholic Fatty Liver Disease without Fibrosis
Priya Handa, Taek-Kyun Kim, Kai Wang, James Nelson and Kris Kowdle

2316: Fibrosis in Non-Alcoholic Fatty Liver Disease May be Associated with Differential Risk for Stroke and Heart Disease: Results from the U.S. National Health and Nutrition Examination Survey
Neal Parikh, Lisa VanWagner, Mitchell Elkind and Jose Gutierrez

2317: New Diagnostic Method for Hepatic Steatosis Using Attenuation Measurement By Ultrasound B Mode: Comparison with Controlled Attenuation Parameter.
Yohei Koizumi, Masashi Hirooka, Norihisa Yada, Nobuharu Tamaki, Namiki Izumi, Masatoshi Kudo and Yoichi Hiasa

2318: Characteristics of Nonalcoholic Fatty Liver Disease in HIV-Infected Patients: An Under-Recognized Complication in a Large Patient Cohort
Jan Zakrzewski, Aurora Leibold, Madhuri Natarajan, Emily Lai, Princy Kumar and Joseph Timpone

2319: A Simple Clinical Prediction Rule for Screening for Non-Alcoholic Fatty Liver Disease in Crohn’s Disease
Scott McHenry, Yeshika Sharma, Ankita Tirath, Richard Tsai, Aaron Mintz, Tyler Fraum, Amber Salter, Kathryn Fowler, Avegail Flores, Nicholas Davidson, Matthew Ciorba and Parakkal Deepak

2320: Elevation of Serum Aldo-Keto Reductase Family 1 Member B10 Is Associated with Advanced Liver Fibrosis in Non-Alcoholic Steatohepatitis
Masatuka Kang, Kazunori Kawaguchi, Masao Honda, Rika Horii, Hajime Takatori, Kazuya Kitamura, Kunikai Arai, Taro Yamashita, Yoshio Sakai, Tatsuya Yamashita, Eishiro Mizukoshi and Shuichi Kaneko

2321: The Prevalence and Severity of Nonalcoholic Fatty Liver Disease Is High Among Primary Caregivers of Potential Liver Transplant Recipients with Cirrhosis Resulting from Nonalcoholic Steatohepatitis

2322: Characterization of Polypharmacy in Patients with NAFLD
Roshani Desai, Arun Sanyal, Miriam Vos, Cheryl Schoen, Nikki Nicholson, Miguel Malespin, Philip Newsome and Brent Neuschwander-Tetri

2323: Data Mining Data As a Tool to Predict Nash in Nafld Patients
Rodrigo Luz, Cristiane Villela-Nogueira, Renata Perez, nATHALIE Carvalho Leite and Nelson Ebecken

2324: Percent Change in Plasma Collagen Type III Formation (PRO-C3) Is Related to Change in Liver Fibrosis Stage: Centaur Study
Diana Leeming, Sophie Birot, Zachary Goodman, Scott Friedman, Andrew McKibben, Star Seydakzemi, Sean Muthian, Laurent Fischer, Morten Karsdal, Arun Sanyal and Vlad Ratziu

2325: Impact of Previous Hepatitis B Virus Infection on the Histologic Findings of Patients with Nonalcoholic Fatty Liver Disease
Dong Hyeon Lee, Won Kim, Saekyoung Joo and Yong Jin Jung
2326: Non-Alcoholic Fatty Liver Disease in Hispanics and Its Association with Dysmetabolic Comorbidities and 10-Year Estimated Cardiovascular Risk.
Ignacio Garcia-Juarez, Maria Cristina Moreno del Castillo, Alain Sanchez-Rodriguez, Ricardo Garcia-Buen Abad, Javier Hernandez-Buen Abad and Isaac Ruiz

2327: National Trend of Acute Myocardial Infarction in Hospitalized Non-Alcoholic Fatty Liver Disease Patients.
Shreyans Doshi, Rupak Desai, Upenkumar Patel and John Leibach

2328: Predictors of Low Bone Mineral Density in Post-Menopausal Women with NAFLD
Jacqueline Henson, Tracey Simon, Aly Kaplan, Karen Miller, Laura Dichtel, Miriam Bredella, Stephanie Osganian, Cheryl Nath and Kathleen Corey

2329: Decreased Physical Working Capacity in Adolescents with Non-Alcoholic Fatty Liver Disease Reflects Reduced Iron Bioavailability
Tim Mitchell, Elizabeth McKinnon, Oyekoya Ayonrinde, Leon Adams, Debbie Trinder, Anita Chua, Rob Newton, Leon Straker and John Olynyk

2330: Awareness and Perception of Non-Alcoholic Steatohepatitis (NASH): Insights from a Preference Study with Patients and Physicians
Nigel Cook, Maria-Magdalena Balb, Olivia Weiss, Sarthak Nagar, Satabdi Chatterjee, Alexandra Chirilov, Andreas Geier, Andreas Schmid, Gideon Hirschfeld, Achim Kautz and Jörn Schattenberg

2331: Non-Invasive Evaluation of Liver Steatosis: An Ultrasonomics Approach
Francesco Faita, Cinzia Avigo, Nicoletta Di Lascio, Antonio Salvati, Nicola Martini, Monica Ragucci, Gabriele Ricco, Serena Monti, Anna Prinster, Dante Chiappino, Marcello Mancini, Lorenzo Ghiadoni, Ferruccio Bonino and Maurizia Brunetto

2332: Serum Uric Acid Level As Independent Risk Factor for Liver Disease Progression in Non-Alcoholic Fatty Liver Disease (NAFLD) Evaluated Using Controlled Attenuation Parameter (CAP) Transient Elastography (TE): Lesson Learnt from Tertiary Referral Center
Sharon Sandra, Cosmas Rinaldi Lesmana, Dyah Purnamasari, Juferyd Kurniawan and Rino Gani

2333: Drugs Used for Dyslipidemia in NAFLD Patients Are Not Associated with Hepatotoxicity: Meta-Analysis of Randomized Controlled Trials
John Provenza, Landon Brown, Page Axley, Raseen Tariq and Ashwani Singal

2334: The Safety of Transcutaneous Aortic Valve Replacement in Cirrhotic Patients
Muhammad Talal Sarmini, Mohammad Asfari, Yasser Al-Khadra, Smrivas Dasarathy and Arthur McCullough

2335: Survey of Non-Alcoholic Fatty Liver Disease Knowledge and Nutrition and Physical Activity Patterns Among the General Public in Beijing, China
Stephanie Chen, Samantha Chao, Monica Konerman, Wei Zhang, Huiling Rao, Elizabeth Wu, Andrew Lin, Lai Wei and Anna Lok

2336: Risk of Cataract Among Patients with NAFLD Including Nash
Laura Telep, Jesse Shick, Amanda Singer, Bryan McColgan, Robert Myers and Anand Chokkalingam

2337: Histological Severity of Nonalcoholic Fatty Liver Disease Is an Early Predictor of Progressive Renal Dysfunction
Won Kim, Dong Hyeon Lee, Saeyoung Joo and Yong Jin Jung

2338: The “Ideal” Method for Fat Quantification and Iron-Corrected T1 Accurately Measure the Presence and Severity of the Individual Histological Features of Nonalcoholic Steatohepatitis (NASH)
Mohammad Siddiqui, Anna Grawenda, Robert Cadrain, Rebecca Collins, Joel Steinberg, Velimir Luketic, Andrea Dennis, Keri Hildick, Matthew Kelly, Stefan Neubauer, Rajarshi Banerjee and Arun Sanyal

2339: Non-Alcoholic Fatty Liver Disease and Risk of Acute Myocardial Infarction and Stroke: Analysis of 18 Million Patients in Four European Primary Care Databases.
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2340: Risk Factor Analysis for Non-Alcoholic Fatty Liver Disease Suggest Different Mechanisms of Hepatic Steatosis in Quiescent Versus Active Crohn's Disease
Scott McHenry, Yeshika Sharma, Ankita Tirath, Richard Tsai, Aaron Mintz, Tyler Fraum, Amber Salter, Kathryn Fowler, Avegail Flores, Nicholas Davidson, Matthew Ciorda and Parakal Deepak

2341: The Correlation between Chronic Kidney Disease and Nonalcoholic Fatty Liver Disease: A Large-Scale Study in Populations Seeking for Check-up
Chien-Wei Su, Yuan-Lung Cheng, Yuan-Jen Wang, Wei-Yu Kao, Yi-Hsiang Huang, Ming-Chih Hou, Han-Chieh Lin and Jaw-Ching Chien-Wei Su

2342: A Simple, Easy to Use Model to Predict the Probability of Development of Hepatic Decompensation in Patients with Nonalcoholic Fatty Liver Disease
Heidi Ahmed, Natalie Cohen, Antonio Sanchez and Anvind Murali

2343: Testing Easi Clinical Practice Guidelines Recommendations for Specialist Referral of NAFLD Patients with Real-Life Data
Blaise Kutala, Raluca Pais, Frederic Charlotte, Pascal Lebray, Dominique Thabut and Vlad Ratziu

2344: Non-Alcoholic Fatty Liver Disease and Early Renal Function Decline in Non-Obesity Patients: Difference between East and West
Su Lin, Min Zhang and Yue-Yong Zhu

2345: Up to 40 Years Prognosis in Japanese Patients with Biopsy-Proven Nonalcoholic Fatty Liver Disease
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2346: Subclinical Hypothyroidism and Low-Normal Thyroid Functionare Associated with Nonalcoholic Steatohepatitis and Fibrosis
Jimin Han, Won Kim, Donghee Kim, Saekyoung Joo, Dong Hyeon Lee and Yong Jin Jung

2347: The Performance of MRI-Proton Density Fat Fraction (PDFF) and MR Elastography (MRE) in Diagnosing Nonalcoholic Steatohepatitis (NASH) Noninvasively
Mazen Noureddin, Vinay Sundaram, Walid Ayoub, Ma Ai Thanda Han, Jonathan Grotts, Rola Saouaf, Andrea Scott, Mahsa Mansouri, Mary Barbara, Matthew Tjahja, Toluwalase Okubote, Veronica Setiawan, Eric Lawitz, Shelly Lu and Naim Alkhouri

2348: Evidence of Bias during Liver Transplant Evaluation of Nash Patients
Christopher Danford, Sentia Iriana, Michael Curry and Michelle Lai

2348A: Dyslipidemia Alters HDL Metabolism and Function in NASH
Arthur McCullough, Chunki Kim, Abdullah Osme, Kwangwon Lee, Javidhya Dasarathy, Srinivasan Dasarathy and Takhar Kasumov

2348B: Managing Hepatic Steatosis with Omega-3 in NAFLD Patients
Derek Tobin, Yan Qin and Christoph Garbotz

Portal Hypertension: Infections and Acute on Chronic Liver Disease

2349: Evaluation of Risk Factors Regarding One-Year Post Transplant Mortality for Acute on Chronic Liver Failure Grade-3 Using the UNOS Database
Vinay Sundaram, Rajiv Jalan, Tiffany Wu, Sumeet Asrani, Andrew Klein and Robert Wong

2350: Endogenous Heparinoid Effects during Bacterial Infections in Patients with Cirrhosis Do Not Impair Thombin Generation: A Prospective Study
Marina Motta, Tania Rocha, Beatriz Migita, Juliana Batista, Elbio D'Amico, Luiz Augusto D'Albuquerque, Flair Carrilho and Alberto Farias

2351: Hospital Readmission Among Patients with Acute on Chronic Liver Failure (ACLF): Rate, Reason, Risk Factor and Impact on Mortality

2352: Dynamic Assessment and Stratification By the “Piro-CIC” Model Can Guide Inappropriate ‘Futile Care’ in the First Week in Critically Ill Cirrhotics
Rakhi Maiwall, Priyanka Jain, Ashok Choudhury, Guresh Kumar, Lalita Mitra and Shiv Kumar Sarin

2353: East Versus West: Comparing Incidence and Mortality of Acute on Chronic Liver Failure Using Two Definitions in a Broad Cohort of Compensated Cirrhotic Patients
Nadim Mahmud, David Kaplan, Tamar Taddei and David Goldberg

2354: Degree of Hemodynamic Derangements Correlate with Poor Outcomes in Acute on Chronic Liver Failure (ACLF) Patients

2355: Meld Score Is a Predictor of First Episode of Spontaneous Bacterial Peritonitis in Patients with Cirrhosis
Sujan Ravi, Rashid Khan, Sakkarin Chiraopongsatham, Whitney Howard Jennings, Habeeb Salameh, Kirk Russ, Sandhya Mudumbi, Matthew Skinner, Yong-Fang Kuo, Patrick Kamath and Ashwani Singal

2356: The Effects of Bacterial Infection on HBV-Related Decompensated Cirrhosis with or without Acute-on-Chronic Liver Failure
Zhujun Cao, Shijin Wang, Yuhan Liu, XiaoBo Lu, Shaowen Jiang, WeiLei Yang, Yumin Xu, Xiaogang Xiang, Bo Zeng, Ruidong Mo, Zhujun Cao, Shijin Wang, Ruiming Cai, WANG Hui, Wei Cai, Hai Li and Qing Xie

2357: Impact and Effectiveness of Antibiotic Prophylaxis of Spontaneous Bacterial Peritonitis in Times of Multidrug-Resistant Bacteria: A Prospective Observational Study
Marcus Maximilian Mücke, Amelie Mayer, Johanna Kessel, Victoria Therese Mücke, Katharina Schwarzkopf, Alexander Queck, Annika Vermehren, Nina Weiler, Martin-Walter Welker, Johannes Vermehren, Volkhard Kempf, Stefan Zeuzem and Christian Lange

2358: Development of Acute-on-Chronic Liver Failure after Surgery
Leah Marie Klein, Johannes Chang, Steffen Manekeller, Christian Jansen, Philipp Lingohr, Michael Praktikno, Jörg Kalf, Ulrich Spengler, Christian Strassburg, Vicente Arroyo and Jonel Trebicka

★ Denotes AASLD Presidential Poster of Distinction
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2359: Frequency and Impact of Clostridium Difficile Infection (CDI) in Hospitalized Patients with Cirrhosis

2360: The Paraspinal Muscle Index Is Superior to Other CT Derived Skeletal Muscle Parameters in Predicting Complications and Death in Patients with Cirrhosis.
Niklas Aehling, Stefan Schob, Ines Nonnenmacher, Luise Werlich, Sebastian Ullrich, Thorsten Kaiser, Sandra Krohn, Adam Herber, Robert Sucher, Michael Bartels, Alexey Surov, Dirk Hasenclever, Thomas Kahn, Daniel Seehofer, Michael Moche, Thomas Berg and Cornelius Engelmann

2361: The Liv-4 Score: Prospective Validation of an Improved Model for Predicting Transplant-Free Survival in Critically Ill Patients with Cirrhosis
Christina Lindenmeyer, Gianina Flocco, Rocio Lopez, Aanchal Kapoor, William Carey and Carlos Romero-Marrero

2362: Epidemiology, Risk Factor Analysis and Comparison of Diagnostic Methods for Rapid Diagnosis of Fungal Pneumonia in Critically Ill Cirrhotics
Pratibha Kale, Vikas Khillan and Shiv Kumar Sarin

2363: A Specialized Inpatient Hepatology Service Decreases 90-Day Mortality in Patients Admitted with Decompensated Cirrhosis
Ahmed Ouni, Diana Hatamleh, Matthew Conti, Faith Villanueva, Fares Ayoub and Giuseppe Joseph Morelli

2364: Influence of Previous Acute Decompensation and Organ Failure on the Long-Term Prognosis in Cirrhotic Patients with Decompensation
Do Seon Song, Tae Yeob Kim, Eileen Yoon, Jinmo Yang, Hee Yeon Kim, Chang Wook Kim, Young Kul Jung, Hyung Joon Yim, Soung Won Jeong, Sang Gyune Kim, Jae Young Jung, Moon Young Kim, Dong Hyun Sinn, Ki Tae Suk and Dong Joon Kim

2365: Pneumonia Is a Major Cause of Inpatient Mortality in Cirrhosis
Saad Saleem, Ismal Daboul and Wissam Bleibel

2366: Rethink Your TIPS Patient: Pre-TIPS Infection Predicts Post-TIPS Infection and Post-TIPS Portosystemic Encephalopathy
Margaret Liu, Jenna Koblinski, Roy Bisht, Paul Kang, Ester Little and Mark Wong

2367: Drivers of Mortality in Spontaneous Bacterial Peritonitis: A Monocentric Retrospective Study
Massih Ningerhouri, Caroline Loiez, Florent Artru, Guillaume Lassailly, Sebastien Dharancy, Valerie Canva, Philippe Mathurin and Alexandre Louvet

2368: Incidence and Predictors of Ventilator-Associated Pneumonia in Patients with Liver Cirrhosis and Non Cirrhosis
Pradheer Gupta, Vikas Khillan, Rakhi Maiwall, Lalita Mitra and Pratibha Kale

2369: Impact of Infections on the Mortality of Patients Hospitalized with Liver Cirrhosis
Gerardo Vazquez, Héctor Díaz Hernández and Graciela Castro Narro

2370: The Hepato-Adrenal Syndrome: A Single-Center Analysis of Factors Associated with in-Hospital Mortality
Chiara LinneKEN, Gianina Flocco, Rocio Lopez, Vedha Sanghi, William Carey, Aanchal Kapoor and Carlos Romero-Marrero

2371: Acute-on-Chronic Liver Failure in Cirrhotic Patients in the Intensive Care Unit: Factors Associated with Liver Transplantation and Mortality
Sophie-Caroline Sacleux, Faouzi Saliba, Marc Boudon, Philippe Ichai, Audrey Colly, Rodolphe Sobesky, Eleonora De Martin, Jean Charles Duclos Vallee, Daniel Cherqui, René Adam and Didier Samuel

2372: Pneumococcal Vaccination Rates in Inpatient Cirrhotics Lag Compared to Other Indications: An Opportunity for Improvement
Divya Chalikonda, Neil Sood, Raja Dhanekula, Joseph DeSimone and Jesse Civian

2373: Episodic Trend of Bacterial Infections in Patients with Acute-on-Chronic Liver Failure (ACLF)
Ajay Duseja, Amritangshu Borkakoty, Manu Mehta, Sunil Taneja, Vikas Gautam, Radha Dhimay and Yogesh Chawla

2374: Prognostic Utility of Ammonia Testing on Admission in Cirrhotic Patients with and without Acute on Chronic Liver Failure (ACLF)
Ashley Spann, Shakirat Salvador, Talisha Ramchal, Diana Mosquera, Joshua Lee, Lauren Donnangelo, Aaron Hein, Omar Martinez-Uribe and Julius Wilder

2375: Helicobacter Pylori Infection in Patients with Cirrhosis: Reassessing Prevalence and Association with Portal Hypertensive Gastropathy
Bushra Rahman, Radhika Babaria, Jean Chang and Anil Seetharam

2376: First Episode of Decompensation in Patients with Cirrhosis, Risk Factors Underlying the Development of Acute-on-Chronic Liver Failure, Short and Long-Term Outcomes: A Prospective Inception Cohort Study
Yan Huadong, Zhujun Cao, Lili Liang, Susu Jin, Jingyuan Du, Qing Xie, Yaoren Hu, Lanjuan Li and Guruprasad Aithal

2377: Persistent Hyperammonemia Is Associated with Complications and Poor Outcomes in Acute on Chronic Liver Failure and Acute Decompensation
Shalimar, Sudheer Kumar, Baibaswata Nayak, Deepak Gunjan and Saurabh Kedia
INTRODUCTION:
AASLD is committed to promoting liver health and well-being through the conduct of federally-supported and other research and training, and the provision and expansion of services to patients, both adults and children, regardless of ability to pay, for all liver diseases and disorders whether genetic, environmental or viral.
AASLD remains specifically and strongly opposed to the retention of budget caps and the implementation of sequestration, pursuant to the Budget Control Act of 2011 or in any other form. Such budget gimmicks have damaged research and training funding, and severely impaired services to patients. We support a balanced approach to the nation’s fiscal issues that shares the burden of deficit reduction in a manner that does the least damage to critical health-related programs, research and services.

THE ROLE OF THE MEMBERSHIP AND BEYOND:
One of the principal goals and responsibilities of the Public and Clinical Policy Committee is to provide educational and other materials to AASLD’s membership to enable it to respond to issues. The Committee will continue to work to provide such information in a timely manner through the Association’s various communications vehicles and encourages all Association members to play an active role in support of its priorities.
In addition, the Committee will coordinate its activities to the extent practical with patient advocacy groups and other provider organizations to assure that the liver community is speaking with a single united voice on the important issues confronting patients and providers in research, clinical practice, education and training, and the public health system.

RESEARCH ISSUES:
AASLD strongly supports robust and predictable funding for scientific research and training throughout the federal government, as well as from other funding sources outside the government. Specifically:

National Institutes of Health:
- AASLD notes the success of increasing NIH funding levels in FY16 and FY17 and continues to support the highest attainable funding levels for NIH to advance scientific progress rapidly. AASLD urges NIDDK to update the Trans-NIH Action Plan for Liver Disease Research (TAPLDR), originally adopted in 2005. (AA, CA)
- AASLD supports a concentrated and meaningful effort to bring additional research attention and resources to the deadliest cancers, including primary liver cancer, at the National Cancer Institute, whether through administrative or legislative action. The continued increase of liver cancer incidence, seen most recently in the report from the American Association for Cancer Research, cannot be tolerated and must be addressed through a thoughtful and well-designed science-based plan. (AA, CA)
- AASLD was instrumental in the preservation of the National Institute of Alcohol Abuse and Alcoholism and believes it merits support from the NIH to enable it to address a critical public health and scientific crisis confronting the American people. (CA)

Liver Disease Burden:
- AASLD supports funding through NIH, AHRQ and CDC, as appropriate to define accurately and completely the burden of all liver diseases and disorders, including liver cancer, viral hepatitis, the spectrum of fatty liver disease including NASH, environmental damage, genetic conditions, and others. (AA)
- The issue of the burden caused by the spectrum of fatty liver diseases including NASH is particularly problematic. It is among the most serious, yet least talked about, implication of the obesity epidemic in America. It is critical that aggressive action be taken now to prevent fatty liver disease from becoming the next “silent disease” as viral hepatitis has been characterized.

Patient-Centered Outcomes Research:
- AASLD supports a robust comparative effectiveness research (CER) program funded by the Patient-Centered Outcomes Research Institute (PCORI) and NIH that will enable hepatologists and their patients to make appropriate evidence-based clinical decisions related to diagnosis and treatment, while assuring effective training for researchers in CER methodologies. (M)

Other Research Agencies:
- AASLD supports the highest attainable funding levels for liver-related research through the Department of Veterans Affairs, the Department of Defense and all other government agencies with a liver-related research portfolio. (CA)
- AASLD strongly supports the practice and delivery innovations being sponsored by the Innovation Center at CMS and will actively work to ensure that these demonstrations reflect the needs of liver disease patients and hepatologists. (CA)

Key: (AA) = Active Advocacy; (CA) = Coalition Advocacy; (M) = Monitoring
PATIENT CARE ISSUES:

AASLD supports federal policies and programs that will improve liver health, enhance medical treatment for all patients with liver disease, reduce health disparities among liver disease patients, and promote liver wellness and prevention of disease. Specifically:

Access to Care:

- AASLD strongly supports the welfare of patients with liver disease and the clinical needs of those who treat them. We urge payers, pharmaceutical companies, physicians and advocates to take responsibility for ensuring the greatest access to care for patients with HCV specifically, and all liver diseases generally, by ensuring cost does not limit their access. (AA) (CA)

- AASLD’s position is that all patients with hepatitis C should be treated. AASLD recommends treating the sickest first, but recognizes the need to treat all. Treatment plans developed by a physician and patient should never be denied by any payer. The Guidance issued by AASLD and IDSA is not intended to be used by payers to deny access to treatment. It is intended to help guide clinical decision-making. (AA) (CA)

- AASLD believes that treatments for HCV that are currently available should be heralded as remarkable advances in curing a disease that was very recently fatal. They are a one-time treatment with minimal side effects and an unprecedented cure rate. This fact must be considered aside from the issue of cost – an issue on which AASLD has no direct control but about which it is deeply concerned. (AA) (CA)

- AASLD supports increasing funding to pursue the goal of maximizing the number and quality of organs available for transplantation. This includes but is not limited to promoting organ donation programs conducted or funded by the Health Resources and Services Administration, as well as through the states. (CA)

- AASLD supports efforts to explore further geographic disparities in organ distribution with a goal of minimizing both the effect of geography on access to organ transplantation as well as potential adverse effects related to preservation time, cost and decreased organ utilization. (CA)

Health and Human Services:

- AASLD supports the provision of liver health care to all Americans, regardless of ability to pay for treatment that is provided to both communicable and non-communicable diseases that impact the liver. AASLD will work to ensure that any changes to the Affordable Care Act (ACA) will protect patient access to appropriate care. (AA)

- AASLD supports attacking the epidemic of viral hepatitis through intervention on and careful monitoring of the implementation of the existing HHS Viral Hepatitis Action Plan, as reissued and updated in 2017. Specific goals and priority areas include:
  - Increasing the proportion of those aware of their HBV infection to 66 percent;
  - Increasing the proportion of those aware of their HCV infection to 66 percent;
  - Reducing the number of new HCV infections among individuals 20-39 years of age by at least 60 percent;
  - Reducing the number of new HCV infections among American Indians/Alaskan Natives by at least 60 percent;
  - Eliminating mother-to-child transmission of HBV;
  - Continuation of the underlying goals and priorities of the original plan issued in 2005. (AA, CA, M)

- AASLD supports efforts to further explore geographic disparities in organ distribution with a goal of minimizing both the effect of geography on access to organ transplantation as well as potential adverse effects related to preservation time, cost and decreased organ utilization. (CA)

- AASLD strongly supports legislative and administrative measures to improve and enhance vaccination rates for both HAV and HBV. (AA) (CA)

Centers for Disease Control and Prevention:

- AASLD supports the highest attainable level of federal funding through CDC’s Division of Viral Hepatitis for states’ efforts to prevent the spread of infectious liver diseases (particularly viral hepatitis), and to screen, diagnose and refer for treatment those who are already infected. Immigrants from countries with high incidence of hepatitis B or C could particularly benefit from this increased initiative. (CA)

- AASLD supports developing a comprehensive plan and stronger role with regard to all chronic liver diseases, such as the spectrum of fatty liver disease including NASH, at the Centers for Disease Control and Prevention’s Center for Chronic Diseases. (AA)
Centers for Medicare and Medicaid Services:

• As CMS implements the Medicare Access and CHIP Reauthorization Act (MACRA), AASLD will ensure that the two tracks, the Merit-Based Incentive Payment System (MIPS) and alternative payment models (APMs), provide options for hepatologists to succeed. (AA, CA)

• AASLD will work to ensure that MIPS and other quality reporting programs include quality measures that reflect current practice standards and enhance treatment for patients while maximizing the efficiency of providers. (AA)

• AASLD supports efforts to ensure that patients with chronic liver disease have access to appropriate care. AASLD will ensure that any legislative or regulatory efforts consider the needs of the liver patients and properly reimburse hepatologists for these services. (AA, CA)

• AASLD supports efforts to have CMS conduct research on the work required to deliver cognitive evaluation and management (E/M) services so this data can be used to develop new E/M codes that more accurately reflect the cognitive work of hepatologists. (CA)

• AASLD continues to support the development of new payment models, like Accountable Care Organizations (ACOs) and Medical Home Neighborhoods, and will work to ensure that these models are beneficial for patients through increased efficiency and better quality of care. (CA, M)

• AASLD remains concerned about the impact of the CMS Open Payments Program on continuing medical education (CME) and will continue to monitor its implementation to ensure that members retain access to these important programs. (CA, M)

Other Agencies:

• AASLD continues to strongly encourage the FDA to implement policies recommended by its advisory committees that aggressively address adverse events caused by inadvertent overdoses of acetaminophen, particularly related to compound drugs. (AA)

• AASLD supports an aggressive effort to diagnose and treat liver disease for veterans under the jurisdiction of the Veterans Health Administration and military personnel and their families under the jurisdiction of the Department of Defense. The VA in particular is ideally suited to collaborate with the National Institutes of Health in the development of algorithms to detect liver cancer at the earliest possible date. (M)

• There remains a particular problem of discrimination against persons with hepatitis B. While the problem has been addressed in medical and dental schools, the issue remains with branches of the military using outdated, discriminatory policies to discharge personnel from active duty due to chronic hepatitis B. AASLD strongly believes that the Department of Defense needs to develop a department-wide, evidenced-based standard for addressing this issue. (CA)

• AASLD supports funding for workforce programs within the Health Resources and Services Administration and the development of new payment delivery models that ensure that patients will have access to a well-trained workforce, as well as funding for K awards, T-32 awards, and related programs. (CA, M)

• AASLD supports efforts to further explore geographic disparities in organ distribution with a goal of minimizing both the effect of geography on access to organ transplantation as well as potential adverse effects related to preservation time, cost and decreased organ utilization. (CA)

• AASLD strongly supports the principles of lifelong learning rather than lifelong testing, to ensure that physicians meet the best outcomes for patients. This objective is met through demonstrated performance for providing high quality, compassionate care and a commitment to professional development through participation in accredited continuing medical education (CME) and/or maintenance of certification (MOC) activities. AASLD believes MOC should not be an absolute prerequisite for licensure and credentialing including acceptance into health plan networks, reimbursement, hospital medical staff privileges, medical liability coverage, and/or state licensing bodies, and other purposes. Decisions about state licensure and hospital or insurer credentialing should be based on a physician’s performance in his or her practice setting and a broad set of criteria for assessing competence, professionalism, commitment to continuous professional development, and quality of care provided. (CA)
Industry-supported Satellite Symposia

Open to all meeting registrants

These programs are not affiliated with AASLD

AASLD provides an opportunity for registrants at The Liver Meeting® to attend independent symposia financially supported by the pharmaceutical industry. These symposia will take place following the scheduled educational events at The Liver Meeting® on Saturday, November 10 after 7:30 PM; and Sunday, November 11 and Monday, November 12 after 6:30 PM.

Each of the symposia organizers has made a financial contribution in support of the educational mission of AASLD. This support allows symposia organizers access to The Liver Meeting® attendees before the meeting by way of mail promotions and on specific evenings during the meeting following official AASLD functions. They also make many features of The Liver Meeting® possible and help maintain reasonable registration fees.

This support is gratefully acknowledged. This acknowledgement, however, does not constitute an endorsement of any product, nor AASLD oversight or endorsement of the content of the program. These programs are not affiliated with AASLD.

Please visit the satellite symposia information center located on the lower level at the Moscone North and South Convention Center for more information and to register for any of the following events.

**Saturday, November 10  7:30 PM**

**Surveying the View From the Driver’s Seat in Hepatocellular Carcinoma: Bringing Into Focus Hepatology’s Key Role in Guiding HCC Care Down the Path to Improved Outcomes**

**Supported by:** Bayer Healthcare Pharmaceuticals Inc., Bristol-Myers Squibb, Eisai Inc., and Exelixis, Inc.

**Organized by:** PVI, PeerView Institute for Medical Education

**CME provided by:** Medical Learning Institute, Inc.

**Location:** Marriott Marquis San Francisco – Golden Gate AB

On completion of this activity, participants should be able to:

• Assess the benefits and limitations of locoregional therapies in the Management of HCC
• Describe evidence on approved and emerging targeted and immune-oncology therapeutic options in the treatment landscape for HCC
• Employ effective strategies to monitor and manage the unique adverse effects associated with both targeted and immune-oncology systemic therapies for HCC
• Utilize collaborative multidisciplinary approaches to develop evidence-based treatment plans incorporating the latest therapeutic strategies for HCC, including possible clinical trial enrollment

For more information or to register, visit www.peerview.com/HCC2018 or contact PVI at 1-877-833-6141 or live@peerview.com (reference the HCC symposium).

**New Insights in Hepatorenal Syndrome: An Update for the Liver Specialist**

**Supported by:** Mallinckrodt

**Organized by:** Medscape Education

**CME provided by:** Medscape Education

**Location:** Marriott Marquis San Francisco – Salon 8

On completion of this activity, participants should be able to:

• Demonstrate greater competence related to:
  • Diagnosis of hepatorenal syndrome (HRS)
  • Selecting among treatment options for patients with type 1 HRS
• Demonstrate increased knowledge regarding:
  • Clinical burden and economic implications of HRS
  • Emerging treatment options for HRS

For more information, contact Charlene Foroutan at cforoutan@medscape.net.
## Industry-supported Satellite Symposia (continued)

### Sunday, November 11 6:30 PM

**Clinical Issues in Chronic Liver Disease:**

**Hot Topics in HBV, HCV, and NASH**

*Supported by:* Gilead Sciences, Inc.

*Organized by:* Integritas Communications

*CME provided by:* Global Education Group

*Location:* Marriott Marquis San Francisco – Golden Gate AB

On completion of this activity, participants should be able to:

- Consider recent trends in HBV epidemiology and treatment to optimize patient identification and management
- Identify approaches to overcome remaining barriers to HCV elimination
- Discuss data related to new pharmacologic agents under investigation for the treatment of NASH
- Evaluate current standards for diagnosis, staging and monitoring in chronic liver disease

*For more information, contact Becky Carney at 303-523-5477 or bcarney@integritasgrp.com.*

### Monday, November 12 6:30 PM

**Evidence-Based Management of Hepatorenal Syndrome type 1**

*Supported by:* Mallinckrodt

*Organized by:* Consultants in Med Ed

*CME provided by:* Purdue University

*Location:* Marriott Marquis San Francisco – Golden Gate AB

On completion of this activity, participants should be able to:

- Define and describe the etiology of portal hypertension and other pathologies leading to vasoconstriction of the renal bed and development of hepatorenal syndrome (HRS)
- Compare and contrast updated International Club of Ascites (ICA) position statement criteria for diagnosis of HRS type 1 with other guidelines available for diagnosis and staging of acute kidney injury
- Discuss evidence underlying risks and benefits for different pharmacologic and surgical treatment options for the management of HRS type 1
- Apply proactive evidence-based pharmacotherapy to patients who both meet all criteria for HRS based on the ICA guidelines, and show rapid SCr elevation

*For more information contact Chris Blagden, PhD at 347-345-7497 or cblagden@consultantsinmeded.com.*

### The HCV Clinical Workshop

*Supported by:* AbbVie

*Organized by:* Chronic Liver Disease Foundation (CLDF)

*CME provided by:* Annenberg

*Location:* Marriott Marquis San Francisco – Salon 9

On completion of this activity, participants should be able to:

- Compare the efficacy and safety of current HCV treatment regimens
- Employ appropriate evidence-based treatments
- Differentiate among management approaches for special patient populations

*For more information contact Andrea Granada at 973-520-1810 or agranada@focusmeded.com.*
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