<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
<th>Speaker</th>
</tr>
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<tbody>
<tr>
<td>8:00 AM</td>
<td>Welcome</td>
<td>Mark Ghobrial, MD, PhD, FACS, FRCS(Ed)</td>
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<tr>
<td></td>
<td><strong>Plenary Session I: Innovation and Transplantation</strong></td>
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<tr>
<td></td>
<td>Moderators: Stephanie Yi, MD, Joseph Galati, MD, Mark Hobeika, MD</td>
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<tr>
<td>8:15 AM</td>
<td>Introduction to the Sherrie and Alan Conover Lecture</td>
<td>Edward A. Jones, MBA</td>
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<tr>
<td>8:20 AM</td>
<td>Sherrie and Alan Conover State of the Art Lecture</td>
<td>Prof. Mohamed Rela MS, FRCS, DSc</td>
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<tr>
<td>8:45 AM</td>
<td>The Future of AI in Liver Transplantation</td>
<td>Linda W. Moore, PhD, RDN, CCRP</td>
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<tr>
<td>9:05 AM</td>
<td>Robotics in Transplantation at Houston Methodist: Liver: Yee Lee Cheah, MD</td>
<td>Yee Lee Cheah, MD</td>
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<td>Kidney: Caroline Simon, MD</td>
<td>Caroline Simon, MD</td>
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<tr>
<td>9:35 AM</td>
<td>Question and Answer Session/Panel Discussion</td>
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<td>9:55 AM</td>
<td>Break and Exhibits</td>
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<td><strong>Plenary Session II: Liver Cancer: 2022 Update</strong></td>
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<td>Moderators: Ashish Saharia, MD, Maen Abdelrahim, MD, Kirk Heyne, MD, Sudha Kodali, MD</td>
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<tr>
<td>10:10 AM</td>
<td>Introduction to the Carol &amp; Burt Keenan Lecture</td>
<td>R. Mark Ghobrial, MD and Al Gonsoulin</td>
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<tr>
<td>10:20 AM</td>
<td>Carol &amp; Burt Keenan State of the Art Lecture Cholangiocarcinoma: 2022 Updates</td>
<td>Milind Javle, MD</td>
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<tr>
<td>10:45 AM</td>
<td>The Future of Transplantation: The Next Decade</td>
<td>William Chapman, MD</td>
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<td>11:05 AM</td>
<td>Translational Genomics in Transplant Oncology</td>
<td>Ashton A. Connor, MD</td>
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<td>11:25 AM</td>
<td>Transplantation for Colorectal METS: Are we there?</td>
<td>Jean-Nicolas Vauthey, MD</td>
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<tr>
<td>11:45 AM</td>
<td>Question and Answer Session/Panel Discussion</td>
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<tr>
<td>12:05 PM</td>
<td>Lunch and Exhibits</td>
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<td><strong>Plenary Session III: Infectious Diseases of Transplantation</strong></td>
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<td>Moderators: David Victor, MD and Victor Ankoma-Sey, MD</td>
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<tr>
<td>1:05 PM</td>
<td>Introduction to the Sherilyn Gordon Lecture</td>
<td>A. Osama Gaber, M.D., FACS, FAST</td>
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<tr>
<td>1:10 PM</td>
<td>Sherilyn Gordon State of the Art Lecture Genomics and antimicrobial Resistance</td>
<td>Cesar A. Arias, MD</td>
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<tr>
<td>1:35 PM</td>
<td>Infectious Diseases and the Immunocompromised populations</td>
<td>Max Adelman, MD, MSc</td>
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<tr>
<td>1:55 PM</td>
<td>COVID-19 and Liver Transplantation</td>
<td>Ashley L. Drews, MD</td>
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<td>2:15 PM</td>
<td>Fungal Infection in Transplantation</td>
<td>Dimitrios P. Kontoyiannis, MD, ScD, PhD (Hon), FACP, FIDSA, FECMM, FAAM, FAAAS</td>
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<td>2:35 PM</td>
<td>An update on Cytomegalovirus (CMV)</td>
<td>Kevin A. Grimes, MD, MPH, FIDSA</td>
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<tr>
<td>2:55 PM</td>
<td>Question and Answer Session/Panel Discussion</td>
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<tr>
<td>3:15 PM</td>
<td>Break and Exhibits</td>
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<td><strong>Plenary Session IV: Innovation in Liver Transplant Critical Care</strong></td>
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<td></td>
<td>Moderators: Constance Mobley, MD, Andreas Duchini, MD and Tamneet Basra, MD</td>
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</table>
Carol & Burt Keenan Liver Symposium: Changing the Landscape of Transplantation
Wednesday, November 9, 2022 | Hybrid Symposium

3:30 PM  Liver Support Systems in Liver Failure  Kang Lee Hoe, MBBChir, FRCP, FAMS, EDIC
3:50 PM  Extracorporeal support in liver failure  Jody Olson, MD
4:10 PM  Innovation in Liver Transplant Critical Care  Constance M. Mobley, M.D., Ph.D. FACS
4:30 PM  Question and Answer Session/Panel Discussion
4:50 PM  Conclusion
5:00 PM  Adjourn

FACULTY

COURSE DIRECTOR
R. Mark Ghobrial, MD, PhD, FACS, FRCS (Ed)
J.C. Walter Jr. Presidential Distinguished Chair
Director, Houston Methodist J.C. Walter Jr. Transplant Center
Director, Transplantation Research
Chief, Division of Transplantation, Department of Surgery
Professor of Surgery, Weill Cornell Medical College
Houston Methodist Institute for Academic Medicine

MODERATOR
Maen Abdelrahim, MD, PhD, B Pharm
Medical Director, Cockrell Center for Advanced Therapeutics, Phase I Program
Gastrointestinal Medical and Transplant Oncologist,
Sherrie and Alan Conover Center for Liver Disease & Transplantation, Houston Methodist J.C. Walter Jr. Transplant Center
Houston Methodist
Assistant Professor of Medicine,
Weill Cornell Medical College
Victor Ankoma-Sey, MD
Director, Liver Transplant Program
Sherrie and Alan Conover Center for Liver Disease & Transplantation,
Houston Methodist J.C. Walter Jr. Transplant Center
Director, Liver Associates of Texas, PA
Tamneet Basra, MD
Transplant Hepatologist, Sherrie and Alan Conover Center for Liver Disease & Transplantation
Houston Methodist J.C. Walter Jr. Transplant Center
Andrea Duchini, MD
Carol & Burt Keenan Liver Symposium: Changing the Landscape of Transplantation
Wednesday, November 9, 2022 | Hybrid Symposium

Transplant Hepatologist, Sherrie and Alan Conover Center for Liver Disease & Transplantation,
Houston Methodist J.C. Walter Jr. Transplant Center
Joseph S. Galati, MD

Medical Director, Sherrie and Alan Conover Center for Liver Disease & Transplantation,
Houston Methodist J.C. Walter Jr. Transplant Center
Director, Liver Specialists of Texas
Kirk Heyne, MD

Gastrointestinal Medical and Transplant Oncologist
Sherrie and Alan Conover Center for Liver Disease & Transplantation,
Houston Methodist J.C. Walter Jr. Transplant Center
Assistant Professor of Medicine, Weill Cornell Medical College
Mark J. Hobeika, MD, FACS

Transplant and Hepatobiliary Surgeon,
Sherrie and Alan Conover Center for Liver Disease & Transplantation,
Houston Methodist J.C. Walter Jr. Transplant Center
Assistant Professor of Surgery, Weill Cornell Medical College
Sudha Kodali, MD

Transplant Hepatologist, Sherrie and Alan Conover Center for Liver Disease & Transplantation,
Houston Methodist J.C. Walter Jr. Transplant Center
Constance M. Mobley, MD, PhD FACS

Associate Director of Liver Transplantation,
J.C. Walter Jr. Transplant Center
Associate Surgical Director of Liver Transplantation
Medical Director, Surgical & Liver ICU
Program Director, Surgical Critical Care Fellowship
Vice Chair, Diversity, Equity and Community Integration
Houston Methodist Department of Surgery
Assistant Professor of Surgery, Weill Cornell Medical College
Adjunct Assistant Professor Texas A&M College of Medicine
Ashish Saharia, MD, FACS

Director, Liver Transplant and Hepatobiliary Services,
Sherrie and Alan Conover Center for Liver Disease & Transplantation,
Houston Methodist J.C. Walter Jr. Transplant Center
Assistant Professor of Clinical Surgery,
Weill Cornell Medical College
David W. Victor III, MD
Transplant Hepatologist, Department of Medicine
Sherrie and Alan Conover Center for Liver Disease
& Transplantation,
Houston Methodist J.C. Walter Jr. Transplant Center
Associate Professor of Clinical Medicine,
Weill Cornell Medical College

Stephanie Yi, MD
Kidney and Pancreas Transplantation
Houston Methodist J.C. Walter Jr. Transplant Center
Department of Surgery, Assistant Professor of Surgery
Weill Cornell Medical College
Houston Methodist Institute for Academic Medicine
Houston Methodist Center for Outcomes Research
Adjunct Assistant Professor, Texas A&M College of Medicine
Houston Methodist Hospital

HOUSTON METHODIST FACULTY

Max Adelman, MD, MSc
Infectious Disease, Houston Methodist

Cesar A. Arias, MD
John F. III and Ann H. Bookout Distinguished Chair
for Research Excellence, Research Institute
Professor of Medicine, Academic Institute
Full Member, Research Institute
Co-director, Center for Infectious Diseases Research

Yee Lee Cheah, MD
Surgical Director, Robotic Living Donor Liver Program,
Department of Surgery,
Houston Methodist J.C. Walter Jr. Transplant Center

Ashton A. Connor, MD, PhD
Transplant and Hepatobiliary Surgeon,
Sherrie and Alan Conover Center for Liver Disease
& Transplantation,
Houston Methodist J.C. Walter Jr. Transplant Center

Ashley L. Drews, MD, FACP
System Epidemiologist, Houston Methodist
Assistant Professor of Clinical Medicine
Weill Cornell Medical College

A. Osama Gaber, MD, FACS, FAST
Chair, Department of Surgery  
John F., Jr. and Carolyn Bookout Presidential Distinguished Chair  
Professor of Surgery, Weill Cornell Medical College  
Founding Director, Houston Methodist J.C. Walter Jr. Transplant Center  
Kevin A. Grimes, MD, MPH, FIDSA

Deputy Chair of Medicine,  
Assistant Professor of Clinical Medicine  
Houston Methodist Academic Medicine Associates–Infectious Disease  
Assistant Professor of Clinical Medicine, Academic Institute  
Weill Cornell Medical College
Edward A. Jones, MBA

President and CEO, Research Institute  
Chief Business Officer, Academic Institute  
Senior Vice President, Houston Methodist  
Linda W. Moore, PhD, RDN, CCRP

Director, Scientific Core  
Associate Research Professor of Nutrition and Transplantation in Surgery  
Associate Professor of Surgery, Houston Methodist  
Department of Surgery, Houston Methodist  
Assistant Professor of Surgery, Weill Cornell Medical College  
Caroline Simon, MD

Surgical Director, Robotic Transplant and Hepatobiliary Surgery Program, Department of Surgery, Houston Methodist J.C. Walter Jr. Transplant Center

GUEST FACULTY

William C. Chapman, MD, FACS

Professor and Chief, Section of Transplantation  
Chief, Division of General Surgery  
Washington University in St. Louis  
St. Louis, MO
Kang Lee Hoe, MD, MBBChir, FRCP, FAMS, EDiC

Associate Professor,  
National University Singapore Yong Loo Lin School of Medicine,  
and Visiting Consultant at National University Centre of Transplantation, Singapore
Milind M. Javle, MD
Professor, Tenure Track,
Department of Gastrointestinal Medical Oncology,
Division of Cancer Medicine
The University of Texas MD Anderson Cancer Center
Dimitrios P. Kontoyiannis, MD, ScD, PhD (Hon), FACP, FIDSA, FECMM, FAAM, FAAAS

Robert C Hickey Endowed Chair
Deputy Head Research, Division of Internal Medicine,
The University of Texas MD Anderson Cancer Center, Houston, TX
Jody C. Olson, MD, FACP

Associate Professor of Medicine and Surgery
University of Kansas Medical Center
Kansas City, Kansas
Prof. Mohamed Rela MS, FRCS, DSc

Chancellor, Bharath Institute of Higher Education & Research (BIHER)
Chairman, Dr. Rela Institute & Medical Centre
Chennai, India
Jean-Nicolas Vauthey, MD, FACS

Department of Surgical Oncology
Chief, Hepato-Pancreato-Biliary Section
Dallas/Fort Worth Living Legend Chair for Cancer Research
The University of Texas MD Anderson Cancer Center
Department of Surgical Oncology
PROGRAM OVERVIEW
The Houston Methodist J.C. Walter Jr. Transplant Center is proud to introduce its leading educational event of the year. This program is designed to provide an innovative view on strategies for the widespread issues of organ failure management. Renowned national and international speakers will share their state-of-the-art techniques and advanced research to educate attendees on the advancements of organ failure management.

TARGET AUDIENCE
The George P. Noon Conference Series is designed for nephrologists, cardiologists, gastroenterologists, hepatologists, pulmonologists, pathologists, internists, oncologists, physicians treating patients with organ failure, nurses, family practitioners, social workers and allied health professionals with an interest in organ failure transplant management.

EDUCATIONAL OBJECTIVES
Upon completion of this course, the participant should be able to:

- Recognize advancements of artificial intelligence in liver-associated diseases and transplantation
- Summarize current research initiatives for the latest trends in Liver Cancer
- Identify the diagnosis and management of Infectious Diseases in Transplantation
- Recognize the need for an innovative support system in Liver Transplant and Critical Care

NURSING OUTCOMES STATEMENT
Nurses attending this activity will be better prepared to provide high quality care based on an enriched understanding of current research, emerging treatments and procedures related to liver failure and transplant with particular emphasis on infectious diseases and innovative approaches to liver transplant. They will identify an intent to incorporate into personal practice at least one new learning related to liver failure and transplant.

EDUCATION METHODS
Didactic lectures, panel discussion

EVALUATION METHOD
Evaluation by questionnaire will address program content, presentation, and possible bias.

ACCREDITATION AND CREDIT DESIGNATION STATEMENTS

Physicians
Houston Methodist is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Houston Methodist designates this live activity for a maximum of 7 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurses
Houston Methodist is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center’s Commission on Accreditation.

Houston Methodist will provide up to 7.25 contact hours for this activity. Participants must attend each session in its entirety and complete the corresponding items on the evaluation tool.

Transplant Coordinators
This course has been approved by the American Board for Transplant Certification for 5 Category I CEPTCs.
Social Workers
Houston Methodist and J.C. Walter Jr. Transplant Center designate this activity for 6.0 CEU for social work. This offering complies with section 781.509 of the rules of the Texas State Board of Social Work Examiners.

HOW TO RECEIVE YOUR CERTIFICATE
Physicians
An email will be sent from learn@houstonmethodist.org with the necessary link to evaluate the activity. You will be prompted to print/download your certificate in PDF format once you have submitted your evaluation.

Nurses
To be awarded up to 7.25 contact hours for this continuing education activity, the participant must:
- Be sure to check in and complete the sign in process
- Attend each session in its entirety (Contact hours are awarded only for full day attendance)
- Complete the evaluation tool. An email will be sent from learn@houstonmethodist.org with the necessary link to evaluate the activity. You will be prompted to print/download your certificate in PDF format once you have submitted your evaluation.

DISCLAIMER AND DISCLOSURES
Houston Methodist makes every effort to develop continuing education activities that are scientifically based, accurate, current, and objectively presented. In accordance with the Accreditation Council for Continuing Medical Education (ACCME) Standards for Integrity and Independence in Accredited Continuing Education and American Nurse Credentialing Center (ANCC), Houston Methodist has implemented a mechanism requiring everyone in a position to control content of an educational activity (e.g., directors, planning committee members, contributors, peer reviewers, etc.) to disclose all financial relationships with ineligible companies (companies whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients) and mitigate any relevant financial relationships prior to the activity. Individuals must disclose to participants the existence of financial relationships at the time of the activity and 24 months prior.

Houston Methodist does not view the existence of interests or relationships with ineligible companies as implying bias or decreasing the value of a presentation. It is up to the participants to determine whether the interests or relationships influence the presenter with regard to exposition or conclusions.

In addition, if contributors will be discussing products (drugs/devices) they have been instructed to use generic names and to include various products within and across classes. If at any time during this activity you feel that there has been commercial or promotional bias, please notify the CE coordinator for the activity and note your comments by using the commercial bias comments box in the evaluation form. Please answer the question about balance in the CE activity evaluation candidly.

Some drugs/devices identified during this activity may have United States Food and Drug Administration (FDA) clearance for specific purposes only or for use in restricted research settings. The FDA has stated that it is the responsibility of the individual physician to determine the FDA status of each drug or device that he/she wishes to use in clinical practice and to use the products in compliance with applicable law.

Faculty members are also asked to disclose any unlabeled use or investigational use (not yet approved for any purpose) or pharmaceutical and medical device products and provide adequate scientific and clinical justification for such use. Physicians are urged to fully review all the available data on products or procedures before using them to treat patients.
All the relevant financial relationships listed for these individuals have been mitigated.

<table>
<thead>
<tr>
<th>Name</th>
<th>Role</th>
<th>Relevant Financial Relationship(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cesar Arias, MD</td>
<td>Speaker</td>
<td>Researcher: Sanofi; Hansa; Veloxis; Medeor; CareDx; Natera</td>
</tr>
<tr>
<td>William Chapman, MD, FACS</td>
<td>Speaker</td>
<td>Board of Directors: Mid-America Transplant</td>
</tr>
<tr>
<td>Milind Javle, MD</td>
<td>Speaker</td>
<td>Investigator, consultant: Incyte, QED, Helsinn, Taiho, Astra Zeneca, Novartis, BMS, Merck, EMD Serono, Meclun, Trans Thera, Eli Lilly</td>
</tr>
<tr>
<td>Dimitrios Kontoyiannis, MD, ScD, PhD (Hon), FACP, FIDSA, FECMM, FAAM, FAAAS</td>
<td>Speaker</td>
<td>Research grant: Gilead Inc; Research Grant, Consultant fees: Astellas Inc; Member of Data Review Board: Cidara, Scynexis, AbbVie</td>
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<tr>
<td>Jody Olson, MD</td>
<td>Speaker</td>
<td>Consultant: Mallinckrodt</td>
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All other individuals in control of content of this activity have no relevant financial relationships with ineligible companies to disclose.

EXHIBITORS

We gratefully acknowledge the following companies for participating as exhibitors at this activity:

Astellas
CareDx
Janssen
Nora’s Home
Takeda