



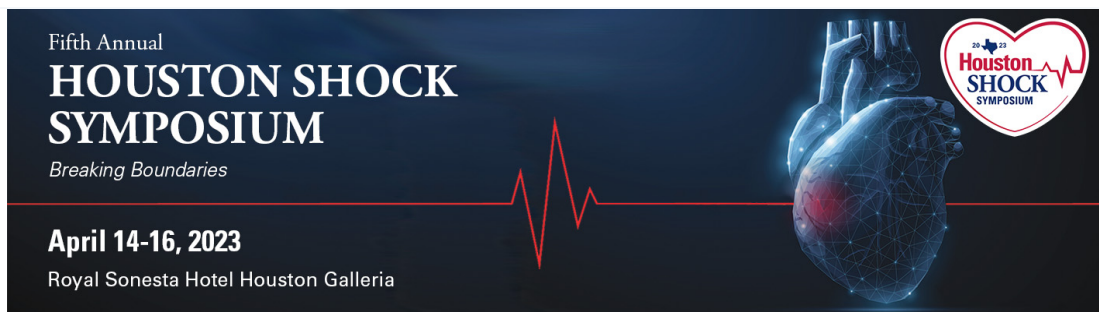
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Advanced Cardiopulmonary Therapies and Transplantation



Agenda

Friday, April 14

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| Time | Speaker(s) | Title |
|-----------------|------------------|---------------------------------------|
| 8:30 am - 12 pm | Dan Burkhoff, MD | Abiomed/CRF Program: TEACH Program |

| Time | Speaker(s) | Title |
|--|--|---|
| 8:30 am - 5 pm | Shock Skills Team | Skills Lab Training: Percutaneous Device Implantation |
| 9 am - 12 pm | Shock Skills Team | Surgical Skills Lab Training: Bovine Heart Dissection and Apical Coring for LVAD Implantation |
| Session 1: Shock Pearls | Moderators: Steven Hollenberg, MD and Biswajit Kar, MD | Panelists: Jerry Estep, MD, Marwan Jumean, MD, Venu Menon, MD, Maria Patarroyo, MD, Jonathan Sevransky, MD, and Joyce Wald, DO |
| 12:45 - 1:05 pm | Marwan Jumean, MD | Opening Remarks |
| 1:05 - 1:15 pm | Dan Burkhoff, MD | Basic Hemodynamics and Phenotypes of Shock |
| 1:15 - 1:25 pm | Panel | Discussion |
| 1:25 - 1:35 pm | Indranee Rajapreyar | Cardiogenic Shock Pharmacotherapies Pearls |
| 1:35 - 1:45 pm | Panel | Discussion |
| 1:45 - 1:55 pm | Jagat Narula, MD, PhD | The Art of Publishing Sound Clinical Trials |
| 1:55 - 2:05 pm | Panel | Discussion |

| Time | Speaker(s) | Title |
|--|--|---|
| 2:05 - 2:15 pm | David Feldman, MD, PhD | Non-Cardiogenic Shock Pharmacotherapies: The Standard of Care in 2023 |
| 2:15 - 2:25 pm | Panel | Discussion |
| 2:25 - 2:35 pm | Martje Suverein, PhD | E-CPR - Should it be Offered in OHCA? |
| 2:35 - 2:45 pm | Panel | Discussion |
| 2:45 - 3:00 pm | | Break |
| Session 2: Shock in Medical ICU 1 | Moderators: Jason Katz, MD and Sriram Nathan, MD | Panelists: Sophia Airhart, MD, Bindu Akkanti, MD, Dan Burkhoff, MD, Maria Patarroyo, MD, Indranee Rajapreyar, MD, and Steven Simpson, MD |
| 3:00 - 3:07 pm | Venu Menon, MD | Counteracting Vasodilatation in Septic Shock |
| 3:07 - 3:15 pm | Panel | Discussion |
| 3:15 - 3:30 pm | Jerry Estep, MD | RV Dysfunction in Non- Cardiogenic Shock |
| 3:30 - 3:37 pm | Steven Simpson, MD | Intravenous Fluids in Septic Shock – Liberal vs. Restrictive? |

| Time | Speaker(s) | Title |
|--|--|---|
| 3:37 - 3:45 pm | Panel | Discussion |
| 3:45 - 3:52 pm | Jonathan Sevransky, MD | Steroids, Thiamine, Vitamin C, Angiotensin II in Shock – When and Why |
| 3:52 - 4:00 pm | Panel | Discussion |
| 4:00 - 4:10 pm | | Break |
| Session 3: Shock in Medical ICU 2 | Moderators: Michael Mooney, MD and Ismael Salas, MD | Panelists: Phyllis Billia, MD, PhD, Johanna Contreras, MD, Joel Hardin, MD, Rahat Hussain, MD, Steven Simpson, MD, and Haider Warraich, MD |
| 4:10 - 4:17 pm | Jason Katz, MD | Role of ECMO in Septic Shock |
| 4:17 - 4:25 pm | Panel | Discussion |
| 4:25 - 4:32 pm | Robert Mankowski, PhD | Novel Treatments to Prevent Muscle Wasting in Shock Patients |
| 4:32 - 4:40 pm | Panel | Discussion |
| 4:40 - 4:47 pm | Eduardo Rame, MD, M.Phil | Microcirculatory Imaging in Medical ICU |
| 4:47 - 4:55 pm | Panel | Discussion |

| Time | Speaker(s) | Title |
|----------------|---------------------------|---|
| 4:55 - 5:02 pm | Joseph Zwischenberger, MD | Perfusion Induced Systemic Hyperthermia for Advanced Unresponsive Cancers |
| 5:02 - 5:10 pm | Panel | Discussion |
| 5:10 - 5:17 pm | Lauren Tezak, MS, APRN | Mixed Shock in a Postpartum Patient |
| 5:17 - 5:25 pm | Panel | Discussion |
| 5:30 - 7:30 pm | | Welcome Reception and Poster Viewing |

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Poster Presenters

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| Poster Number | Presenter | Title |
|---------------|--------------------|---|
| 1001 | Saliha Erdem, MD | ECPELLA as a Bridge to Heart Transplant in a Young Woman with LM SCAD |
| 1002 | Mehtab Galeh, MD | Exercise-related Flail Mitral Valve Masquerading as Pneumonia |
| 1003 | Marisol Molina, MD | Pulmonary Thromboembolism as Cause Of Cardiac Arrest |

| Poster Number | Presenter | Title |
|---------------|---|---|
| 1004 | Sharana Hegde, MD | Use of Tandem Heart for Left Atrial Unloading in Severe Bioprosthetic Mitral Stenosis with Pulmonary Hypertension and Cardiogenic Shock |
| 1005 | Jeffrey Wang, MD | LAVA-ECMO: Unloading the Left Ventricle from the Atrium |
| 1006 | Amogh Karnik, MD, MSc | Anthracycline Induced Cardiomyopathy Presenting in Shock |
| 1007 | Rashonda Carlisle, MD | Stress Cardiomyopathy Presenting in Shock |
| 1008 | Tamas Alexy, MD, PhD | ECPR to Heart Transplant |
| 1009 | Richard Witkov, MD and Jonathan Lopez, MD | Refractory Ventricular Fibrillation in the Community, Expanding the Wheel |
| 1010 | Nishant Sharma, MD | TAVR Shock |
| 1011 | Omare Sheikh, MD | Double Edged Sword |

| Poster Number | Presenter | Title |
|---------------|-------------------------------------|---|
| 1012 | Mittal Rana, MD | Under Pressure: A Case of Aortic Stenosis and Cardiogenic Shock |
| 1013 | Andrew Polis and Katherine Goldrick | The Big Squeeze: Balancing the Hemodynamics of Cardiac Tamponade and Superior Vena Cava Syndrome |
| 1014 | Lindsey Aurora, MD | I Will Survive: From Left Main Thrombosis to Transplant |
| 1015 | Jake Kieserman, MD | From the Brink of the Abyss |
| 1016 | Kashvi Gupta, MD | Acute Fulminant Myocarditis Secondary to COVID-19 |
| 1017 | Molly Silkowski, DO | Fulminant Myocarditis |
| 1018 | Maurizio Bottiroli, MD | AKI in ADHD-CS |
| 1019 | Phillip Weeks, Pharm.D. | The Prognostic Value of Vasoactive-Inotropic Score in Adult Patients on Veno-Arterial Extracorporeal Life Support |

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Saturday, April 15

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 Search:

| Time | Presenter(s) | Title |
|---|--|---|
| Session 4: Shock in Surgical ICU | Moderators: Igor Gregoric, MD and Mark Slaughter, MD | Panelists: Mani Daneshmand, MD, Amy Fiedler, MD, Sandeep Nathan, MD, Scott Silvestry, MD, Marvin Slepian, MD, and Joseph Zwischenberger, MD |
| 8:00 - 8:07 am | Mark Slaughter, MD | Debate: Post-LVAD Right Ventricular Failure – Surgical MCS Support is Best |
| 8:07 - 8:14 am | Dirk Donker, MD | Debate: Post-LVAD Right Ventricular Failure – Percutaneous MCS Support is Best |
| 8:14 - 8:22 am | Panel | Discussion |
| 8:22 - 8:29 am | Phyllis Billia, MD, PhD | Debate: Post-LVAD Right Ventricular Failure – Early MCS Support is Best |
| 8:29 - 8:36 am | Joyce Wald, DO | Debate: Post-LVAD Right Ventricular Failure – Late MCS Support is Best |
| 8:36 - 8:45 am | Panel | Discussion |

| Time | ◆ Presenter(s) | ◆ Title | ◆ |
|--|--|--|---|
| 8:45 - 8:52 am | William O'Neill, MD | The Use of LAVA ECMO as a Bridge to Therapy for AR Cardiogenic Shock | |
| 8:52 - 9:00 am | Panel | Discussion | |
| 9:00 - 9:15 am | Alex Hajduczuk, MD | Cardiogenic Shock in Severe AS Patient | |
| 9:15 - 9:22 am | Muhammed Saric, MD, PhD | Evaluation and Management of Mitral Regurgitation in Acute Heart Failure | |
| 9:22 - 9:30 am | Panel | Discussion | |
| 9:30 - 9:45 am | | Break | |
| Session 5: Shock in Cardiac ICU | Moderators: Sriram Nathan, MD and William O'Neill, MD | Panelists: James Burke, MD, PhD, Johanna Contreras, MD, Eduardo Rame, MD, M.Phil, Danny Ramzy, MD, Sean Van Diepen, MD, and Joyce Wald, DO | |
| 9:45 - 9:52 am | David Baran, MD | Debate: For – Should Cardiac Arrest be Included into Cardiogenic Shock Staging? | |

| Time | Presenter(s) | Title |
|---------------------|--------------------------|---|
| 9:52 - 9:59 am | Maya Guglin, MD, PhD | Debate: Against – Should Cardiac Arrest be Included into Cardiogenic Shock Staging? |
| 9:59 - 10:07 am | Panel | Discussion |
| 10:07 - 10:14 am | Tarek Helmy, MD | Approach to Severe Stable CAD in Cardiogenic Shock: Should Revascularization be Offered at All? |
| 10:14 - 10:22 am | Panel | Discussion |
| 10:22 - 10:29 am | Sean Van Diepen, MD | Updated Cardiogenic Shock Classification |
| 10:29 - 10:37 am | Panel | Discussion |
| 10:37 - 10:44 am | Johanna Contreras, MD | Does Obesity Paradox Exist in Cardiogenic Shock? |
| 10:44 - 10:54 am | Panel | Discussion |
| 10:54 - 11:01 am | Ethan Rowin, MD | ASH CRASH – When HCM Patient Presents in Shock |
| 11:01 - 11:09 am | Panel | Discussion |

| Time | ◆ Presenter(s) | ◆ Title | ◆ |
|------------------------|--------------------------|--|----------|
| 11:09 - 11:16 am | Joel Hardin, MD | Navigating the Congenital Heart in Cardiac ICU | |
| 11:16 - 11:23 am | Panel | Discussion | |
| 11:23 - 11:30 am | Michael Mooney, MD | Markers of Increased LV Loading in VA-ECMO – When to Unload | |
| 11:30 - 11:38 am | Panel | Discussion | |
| 11:38 - 11:48 am | Nitin Tandon, MD | MCS with a Salvageable CNS Event | |
| 11:48 - 11:55 am | Steven Hollenberg, MD | Management of Non- Cardiac, Non- Neurological Consequences on MCS | |
| 11:55 am - 12:00 pm | Panel | Discussion | |
| 12:00 - 12:15 pm | Gregg Stone, MD | Keynote Address – Randomized Trials in Cardiogenic Shock: Prelude to RECOVER IV | |
| 12:15 - 1:00 pm | Lunch | | |

| Time | ◆ Presenter(s) | ◆ Title | ◆ |
|---|--|---|---|
| Session 6: Shock in Cath Lab 1 | Moderators: William O'Neill, MD and Gregg Stone, MD | Panelists: James Burke, MD, PhD, Dirk Donker, MD, Tarek Helmy, MD, Marwan Jumean, MD, Biswajit Kar, MD, and Sandeep Nathan, MD | |
| 1:00 - 1:08 pm | Saraschandra Vallabhajosyula, MD | Debate: Protected PCI: Watchful Waiting is Wishful Thinking – A Device Should be Placed Prior to Intervention | |
| 1:08 - 1:16 pm | Atman Shah, MD | Debate: Protected PCI: Watchful Waiting is the Way to Go – A Device Should be on Stand-By Only | |
| 1:16 - 1:25 pm | Panel | Discussion | |
| 1:25 - 1:33 pm | Richard Smalling, MD, PhD | Current Strategies for Potentially Optimizing Outcomes in STEMI Patients Presenting in Cardiogenic Shock | |
| 1:33 - 1:41 pm | Panel | Discussion | |
| 1:41 - 1:56 pm | Ayaaz Sachedina, MD | STEMI Shock | |
| 1:56 - 2:04 pm | Andrew Civitello, MD | Percutaneous Management of Post-MI Complications | |

| Time | ◆ Presenter(s) | ◆ Title | ◆ |
|---|---|--|---|
| 2:04 - 2:13 pm | Panel | Discussion | |
| 2:13 - 2:30 pm | | Break | |
| Session 7: Shock in Cath Lab 2 | Moderators: Maya Guglin, MD, PhD and Richard Smalling, MD, PhD | Panelists: Phyllis Billia, MD, PhD, Jerry Estep, MD, Steven Hollenberg, MD, Sachin Kumar, MD, Maria Patarroyo, MD, and Atman Shah, MD | |
| 2:30 - 2:37 pm | Arvind Bhimaraj, MD | Debate: For STEMI- Shock - PAC is a Must Before Leaving the Cath Lab | |
| 2:37 - 2:44 pm | Sandeep Nathan, MD | Debate: Against STEMI- Shock - PAC is Not Needed Before Leaving the Cath Lab | |
| 2:44 - 2:52 pm | Panel | Discussion | |
| 2:52 - 2:59 pm | William O'Neill, MD | One-Year Outcomes from the National Cardiogenic Shock Initiative | |
| 2:59 - 3:07 pm | Panel | Discussion | |
| 3:07 - 3:22 pm | Lakshmi Sridharan, MD | Severe Mitral Regurgitation in an LVAD Patient | |

| Time | ◆ Presenter(s) | ◆ Title | ◆ |
|--|--|--|---|
| 3:22 - 3:30 pm | James Burke, MD, PhD | Hemodynamic Assessment of Failing LVAD – When Non- Invasive Imaging is Inconclusive | |
| 3:30 - 3:37 pm | Panel | Discussion | |
| 3:37 - 3:45 pm | | Break | |
| Challenging Cases Session | Moderators: Eduardo Rame, MD, MPhil and Marvin Slepian, MD | Panelists: Abhijeet Dhoble, MD, Tarek Helmy, MD, Sandeep Nathan, MD, Jonathan Sevransky, MD, Lakshmi Sridharan, MD, and Joseph Zwischenberger, MD | |
| 3:45 - 3:52 pm | Nikhil Narang, MD | Decision Making in a Patient with Marginal Hemodynamics | |
| 3:52 - 4:00 pm | Panel | Discussion | |
| 4:00 - 4:07 pm | Hasan Ashraf, MD | When to Unload in HR- PCI: The LAVI Score | |
| 4:07 - 4:15 pm | Panel | Discussion | |
| 4:15 - 4:22 pm | Amanda Bergeron, AG- ACNP | Unusual Cause of Cardiogenic Shock | |

| Time | ◆ Presenter(s) | ◆ Title | ◆ |
|---|--|---|---|
| 4:22 - 4:30 pm | Panel | Discussion | |
| 4:30 - 4:37 pm | Husam Shadid, MD | Severe Ischemic Mitral Regurgitation at time of Coronary Artery Bypass Surgery | |
| 4:37 - 4:45 pm | Panel | Discussion | |
| 4:45 - 4:52 pm | Amna Aijaz, MD | Managing Severe Mitral Stenosis Patient in Cardiogenic Shock | |
| 4:52 - 5:00 pm | Panel | Discussion | |
| 5:00 - 5:15 pm | | Break | |
| Session 8: Shock Systems of Care | Moderators: Steven Hollenberg, MD and Jason Katz, MD | Panelists: Mehmet Akay, MD, Phyllis Billia, MD, PhD, Mani Daneshmand, MD, Viktoriya Kagan, MSN, APN-BC, Michael Mooney, MD, and Haider Warraich, MD | |
| 5:15 - 5:22 pm | Marvin Slepian, MD | Medical, Legal, and Societal Implications of Field Consolidation in MCS | |
| 5:22 - 5:30 pm | Panel | Discussion | |

| Time | Presenter(s) | Title |
|-----------------------------------|---|---|
| 5:30 - 5:37 pm | Haider Warraich, MD | Mental Health Impact of Shock and Device Therapy on Survivors |
| 5:37 - 5:45 pm | Panel | Discussion |
| 5:45 - 5:52 pm | Aly El Banayosy, MD | Efficacy of Regional ECMO Programs and Their Outcomes |
| 5:52 - 6:00 pm | Panel | Discussion |
| Publication Lounge Q&A | Moderators: Anju Bhardwaj, MD and Maria Patarroyo, MD | Panelists: Dirk Donker, MD, Michelle Rene Gehring, PhD, Tarek Helmy, MD, Jagat Narula, MD, Sandeep Nathan, MD, and Mark Slaughter, MD |
| 5 - 6 pm | | Publication Lounge Q&A |

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Sunday, April 16

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| Time | ◆ Presenter(s) | ◆ Title | ◆ |
|---|---|--|---|
| Session 9: Shock in Operating Room | Moderators: Mani Daneshmand, MD and Scott Silvestry, MD | Panelists: Rishi Kumar, MD, Juan Marcano, MD, Manish Patel, MD, Mark Slaughter, MD, Dirk Westermann, MD, and Joseph Zwischenberger, MD | |
| 8:00 - 8:07 am | Jerome Crowley, MD | Pressors and Inotropes in the OR: The Anesthesiologist Perspective | |
| 8:07 - 8:15 am | Panel | Discussion | |
| 8:15 - 8:30 am | Amy Fiedler, MD | Patient is Not Coming Off CPB | |
| 8:30 - 8:37 am | Subhasis Chatterjee, MD | Myocardial Protection in High-Risk CPB | |
| 8:37 - 8:45 am | Panel | Discussion | |
| 8:45 - 8:52 am | Danny Ramzy, MD | SIRS Activation in Cardiopulmonary Bypass: When is it bad? | |
| 8:52 - 9:00 am | Panel | Discussion | |
| 9:00 - 9:07 am | Scott Silvestry, MD | Overcoming Obstacles During Surgical Implantation of Temporary LVAD | |

| Time | ◆ Presenter(s) | ◆ Title | ◆ |
|------------------------------------|--|--|---|
| 9:07 - 9:15 am | Panel | Discussion | |
| 9:15 - 9:22 am | Steve Singh, MD | Non-Transplant Cardiac Surgery in the Shock Patient | |
| 9:22 - 9:30 am | Panel | Discussion | |
| 9:30 - 9:37 am | Dirk Westermann, MD | LV Unloading – Surgeons vs. Cardiologists - Does it Look Different? | |
| 9:37 - 9:45 am | Panel | Discussion | |
| 9:45 - 10:00 am | | Break | |
| Challenging Cases Session 2 | Moderators: Biykem Bozkurt, MD, PhD and Biswajit Kar, MD | Panelists: Harish Devineni, MD, Kha Dinh, MD, Rania Esteitie, MD, Sara Vallabhajosyula, MD, Dirk Westermann, MD, and Rayan Yousefzai, MD | |
| 10:00 - 10:07 am | Chloe Theeuwes, MD | Cardiogenic Shock Complicated by Mechanical Valves | |
| 10:07 - 10:15 am | Panel | Discussion | |
| 10:15 - 10:22 am | Sowjanya Kapaganti, MD | Recurrent Pulseless Electrical Activity: Look Left, Look Right | |

| Time | Presenter(s) | Title |
|---------------------|---------------------------------|---|
| 10:22 - 10:30 am | Panel | Discussion |
| 10:30 - 10:37 am | David Boone, MD | Quieting the Storm in Cardiogenic Shock |
| 10:37 - 10:45 am | Panel | Discussion |
| 10:45 - 10:52 am | Rania Esteitie, MD | A Shocking Discovery - Looking From the Outside In |
| 10:52 - 11:00 am | Panel | Discussion |
| 11:00 - 11:07 am | Saliha Erdem, MD | An Unusual Case of Refractory Hypoxia: The Many Ways of Providing O2 |
| 11:07 - 11:15 am | Panel | Discussion |
| 11:15 - 11:22 am | Russell Perkins, MSN, AGACNP | ECMO and Impella 5.5 in the Management of Post MI VSD |
| 11:22 - 11:30 am | Panel | Discussion |
| 11:30 - 11:37 am | Chris Fernandez, MD | CBT Dependent Shock in AS and LM Disease |
| 11:37 - 11:45 am | Panel | Discussion |

| Time | Presenter(s) | Title |
|------------------------|----------------------------|---|
| 11:45 - 11:52 am | Krithika Krishnarao, DO | Complex VA ECMO Cannulation Strategy |
| 11:52 am - 12:00 pm | Panel | Discussion |
| 12:00 - 12:05 pm | Marwan Jumean, MD | Closing Remarks |
| 12:05 - 1 pm | Lunch | |

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