In collaboration with UTHealth McGovern Medical School in Houston, we have created the Annual Houston Shock Symposium.

This year’s event, held at the JW Marriott in downtown Houston, will be a comprehensive and dedicated cardiogenic shock symposium that encompasses over 35 national and international speakers including cardiac physiologists, interventionalists, advanced heart failure cardiologists, cardiothoracic surgeons, and intensivists.

We hope to present the most collaborative, comprehensive, and exciting cardiogenic shock conference in the nation.
HOUSTON SHOCK SYMPOSIUM 2018 FACULTY

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Institute for Academic Medicine
DeBakey Heart & Vascular Center

John Lasala, MD, PhD, FACC, MSCAI
Professor of Medicine
Washington University School of Medicine in St. Louis
SESSION 1: SURVIVING CARDIOGENIC SHOCK

Moderators: B. Kar, H. Jneid

7:55-8:00 AM: M. Jumean: Welcome From the Director

8:00-8:10 AM: H. Jneid: Cardiogenic Shock: The Cardiologist’s Holy Grail

8:10-8:20 AM: Discussion

8:20-8:30 AM: D. De Baker: Pathophysiology of Cardiogenic Shock – A closer Look at the SIRS Response

8:30-8:45 AM: Discussion

8:45-8:55 AM: S. Hollenberg: Advances in the Medical Management of Cardiogenic Shock

8:55-9:10 AM: Discussion


9:20-9:35 AM: Discussion


9:45-10:00 AM: Discussion

10:00-10:10 AM: J. Katz: What is missing in the Cardiogenic Shock Guidelines?

10:10-10:25 AM: Discussion

10:25-10:40 AM: Coffee Break
SESSION 2: A DEEP DIVE INTO THE HEMODYNAMICS OF SHOCK

Moderators: D. De Baker, D. Mann

Panel: D. Burkhoff, K. Rajagopal, S. Hollenberg, S. Nathan, F. Smart, J. Zwischenberger


10:50-11:00 AM: Discussion

11:00-11:10 AM: S. Hollenberg: Invasive Hemodynamic Assessment Limitations in the Era of Percutaneous MCS

11:10-11:30 AM: Discussion

11:30-11:40 AM: D. Burkhoff: Which Side is Failing: Putting all the Pieces Together

11:40-11:55 PM: Discussion

11:55-12:05 PM: D. Mann: Beyond the Basics: Novel Invasive Hemodynamic Markers of the Failing Heart

11:55-12:20 PM: Discussion

12:20-12:30 PM: Coffee Break
### SESSION 3: ACUTE SHOCK – CATHETER BASED INTERVENTIONS

**Moderators:** F. Smart, V. Menon  
**Panel:** Jacob Jentzer, R. Smalling, Igor Gregoric, D. De Baker, S. Kumar, J. Lasala  

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30-1:40 PM</td>
<td>A. Civitello: Utility of Counterpulsation in AMI Shock in the Current Era</td>
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<td>1:40-1:55 PM</td>
<td>Discussion</td>
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<td>1:55-2:05 PM</td>
<td>R. Smalling: AMI Shock: Transition from Door to Reperfuse to Door to Unload, Are We There Yet?</td>
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<td>2:05-2:20 PM</td>
<td>Discussion</td>
</tr>
<tr>
<td>2:20-2:30 PM</td>
<td>B. Kar: Mechanical Complications of AMI: Percutaneous Approaches to Management</td>
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<td>2:30-2:45 PM</td>
<td>Discussion</td>
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<tr>
<td>2:45-2:55 PM</td>
<td>V. Menon: Cardiac Angiography Following Cardiac Arrest – What is the Best Practice?</td>
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<td>2:55-3:05 PM</td>
<td>Discussion</td>
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<td>3:05-3:15 PM</td>
<td>J. Lasala: MitraClip Implantation in Low Cardiac Output Patients: Where Do We Stand?</td>
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<td>3:15-3:25 PM</td>
<td>Discussion</td>
</tr>
<tr>
<td>3:35-3:45 PM</td>
<td>R. Hariharan: Catheter Based Intervention: Electrical Storm Management in Cardiogenic Shock – When Not to Intervene</td>
</tr>
<tr>
<td>3:45-3:55 PM</td>
<td>Discussion</td>
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<tr>
<td>3:55-4:10 PM</td>
<td>Coffee Break</td>
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</tbody>
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SESSION 4: THE RIGHT VENTRICLE

Moderators: Steven Hollenberg, Jerry Estep

Panel: S. Nathan, D. Mann, David Feldman, David Baran, Jason Katz, R. Kociol

4:10-4:20 PM: M. Jumean: Right Ventricular Assessment in Cardiogenic Shock

4:20-4:30 PM: Discussion

4:30-4:40 PM: R. Kociol: Invasive Hemodynamics of Right Ventricular Failure

4:40-4:50 PM: Discussion

4:50-5:00 PM: G. Torre-Amione: Right Ventricular Failure following LVAD implantation

5:00-5:10 PM: Discussion


5:20-5:30 PM: Discussion

5:30-5:40 PM: D. Baran: Percutaneous MCS Options for Right Ventricular Support

5:40-5:55 PM: Discussion

Adjourn
SESSION 5: EARLY BIRD SESSION: BEYOND THE HEART

Moderators: S. Hollenberg, J. Jentzer
Panel: S. Nathan, A. Civitello, R. Hussein, S. Hollenberg, D. De Baker

7:15-7:25 AM: K Stelling: Case Presentation
7:25-7:30 AM: Discussion
7:30-7:40 AM: C. Morris: Nursing Perspective on Management of pMCS Patients in the ICU
7:40-7:45 AM: Discussion
7:45-7:55 AM: B. Akkanti: Medical Management of Shock Patients in the ICU: Intensivists Perspective
7:55-8:00 AM: Discussion
SESSION 6: POST CARDIOTOMY SHOCK

Moderators: I. Gregoric and J. Maly

Panel: J. Zwischenberger, Danny Ramzy, D. Pham, K. Rajagopal, R. Kociol

8:00-8:10 AM: J. Maly: Post Cardiotomy Shock – What Changed Since First Bypass Surgery?
8:10-8:25 AM: Discussion

8:25-8:35 AM: I. Salas: Case Presentation
8:35-8:50 AM: Discussion

8:50-9:00 AM: M. Patel: The Case of the Longest CPR Ever
9:00-9:15 AM: Discussion

9:15-9:25 AM: D. Pham: Best Temporary MCS Strategy to Bridge to Permanent Assist Device Therapy: A Surgeons Perspective
9:25-9:40 AM: Discussion

9:50-10:05 AM: Discussion

10:05-10:15: S. Nathan: When the LVAD Patient Presents in Shock – Diagnostic Dilemmas
10:15-10:30: Discussion

10:30-10:40 AM: Coffee Break
SESSION 7: PERCUTANEOUS MCS 1 – BEYOND THE BASICS

Moderators: B. Kar, D. Feldman
Panel: M. Jumean, V. Menon, R. Smalling, J. Zwischenberger, Sandeep Nathan, J. Maly

10:30-10:40 AM: D. Burkhoff: Pressure Volume Loop Profiles in Percutaneous MCS

10:40-10:55 AM: Discussion


11:05-11:20 AM: Discussion

11:20-11:30 AM: Case Presentation

11:30-11:45 PM: Discussion

11:45-11:55 PM: Case Presentation

11:55-12:10 PM: Discussion

12:10-12:20 PM: K. Rajagopal: Clinical Markers of Increased Afterload in VA-ECMO: What the PV Loop Does not tell us

12:20-12:35 PM: Discussion

12:35-1:30 PM: Lunch
SESSION 8: PERCUTANEOUS MCS 2 – CAN ANY CLAIM SUPERIORITY?

Moderators: D. Baran, B Kar

Panel: J. Katz, Jiri Maly, D. De Baker, S. Hollenberg, V. Menon, S. Kumar, R. Kociol

1:30-1:40 PM: Case Presentation: LVAD Complication with LM Thrombosis

1:40-1:55 PM: Discussion

1:55-2:05 PM: M. Slepain: Anticoagulation and Antiplatelet Therapeutic Strategies in pMCS supported patients

2:05-2:15 PM: Discussion


2:25-2:35 PM: Debate: TandemHeart is Superior to other pMCS Devices in Cardiogenic Shock

2:35-2:45 PM: D. Ramzy: Debate: VA-ECMO is Superior to other pMCS Devices in Cardiogenic Shock

2:45-3:05 PM: Discussion

3:05-3:20 PM: Coffee Break
SESSION 9: CARDIOGENIC SHOCK – FUTURE DIRECTION & REGULATION

Moderators: B. Kar, J. Estep

Panel: H. Borovotz, R. Smalling, D. Burkhoff, G. Torre-Amione, M. Slepian

3:20-3:40 PM: H. Borovotz: Pump Design: Axial, centrifugal, or pulsatile: Does it really matter?

3:40-3:55 PM: Discussion


4:05-4:20 PM: Discussion

4:20-4:30 PM: S. Kumar: The Future of Percutaneous MCS

4:30-4:45 PM: Discussion

4:45-4:55 PM: Case Presentation: The Evolving Off-Label TAVR role in the Era LVADs

4:45-5:00 PM: Discussion

5:00-5:10 PM: Difficulties in Devising a Randomized Cardiogenic Shock Trial

5:10-5:30 PM: Discussion

5:30-5:35 PM: B. Kar: Closing Remarks

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