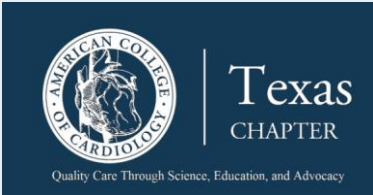




In collaboration with UTHealth McGovern Medical School in Houston, we have created the Annual Houston Shock Symposium

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



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Northwestern Feinberg School of Medicine

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Cedars-Sinai Medical Center

Frank Smart, MD

Professor of Medicine
Louisiana State University School of Medicine

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

Panel: J. Katz, D. De Baker, D. Feldman, S. Hollenberg, J. Zwischenberger, I. Gregoric

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

9:10-9:20 AM: I. Gregoric: Classification of Cardiogenic Shock

9:20-9:35 AM: Discussion

9:35-9:45 AM: J. Zwischenberger: Has ECMO Improved Survival in Cardiogenic Shock?

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

10:40-10:50 AM: A. Deswal: Role of Non-invasive Imaging in the Evaluation of Cardiogenic Shock

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

KEYNOTE ADDRESS

O.H. BUD FRAIZER

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

1:30-1:40 PM: A. Civitello: Utility of Counterpulsation in AMI Shock in the Current Era

1:40-1:55 PM: Discussion

1:55-2:05 PM: R. Smalling: AMI Shock: Transition from Door to Reperfuse to Door to Unload, Are We There Yet?

2:05-2:20 PM: Discussion

2:20-2:30 PM: B. Kar: Mechanical Complications of AMI: Percutaneous Approaches to Management

2:30-2:45 PM: Discussion

2:45-2:55 PM: V. Menon: Cardiac Angiography Following Cardiac Arrest – What is the Best Practice?

2:55-3:05 PM: Discussion

3:05-3:15: J. Lasala: MitraClip Implantation in Low Cardiac Output Patients: Where Do We Stand?

3:15-3:25 PM: Discussion

3:25-3:35 PM: S. Sharma: Catheter Based Intervention: Electrical Storm Management in Cardiogenic Shock – When to Intervene

3:35-3:45 PM: R. Hariharan: Catheter Based Intervention: Electrical Storm Management in Cardiogenic Shock – When Not to Intervene

3:45-3:55 PM: Discussion

3:55-4:10 PM: Coffee Break

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

5:10-5:20 PM: J. Jentzer: Medical Management of Right Ventricular Failure in Shock: Special Look at Septic Shock

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

7:00-8:00 AM: Breakfast

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 Cardiectomy 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

9:40-9:50 AM: M. Akay: On Pump vs. Off pump LVAD Implantation in Resuscitated Shock Patients

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

10:55-11:05 AM D. Feldman: SVR Effects on Percutaneous MCS Device Function and its Clinical Impact

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

2:15-2:25 PM: Sandeep Nathan: Debate: Impella is Superior to other pMCS Devices in Cardiogenic Shock

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: CARIOGENIC 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

3:55-4:05 PM: J. Estep: The Heart Team Approach: Value of Good Partnership in Patient Survival

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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