





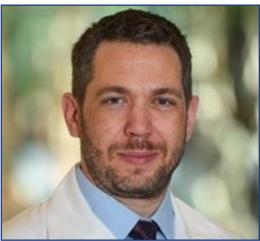
CONFERENCE ORGANIZERS



Subhasis Chatterjee, M.D.* **Associate Professor of Surgery** Baylor College of Medicine

Director, Thoracic Surgical ICU & ECMO Program Baylor St. Luke's Medical Center

*Conference Co-Chair



Christopher Howard, M.D. Assistant Professor Pulmonary, Critical Care and Sleep Medicine Baylor College of Medicine

Medical Director, Respiratory Care Baylor St. Luke's Medical Center



Holly Clayton, M.P.A.S., PA-C Assistant Professor of Surgery

Director of Advanced Clinical Practitioners and Clinical Services Baylor College of Medicine



José L. Díaz-Gómez, M.D.* Section Chief, Cardiothoracic, Circulatory Support, and Transplant Critical Care

Director, Critical Care Echocardiography and Point of Care Ultrasonography Division of Cardiovascular Anesthesia and Critical Care Medicine

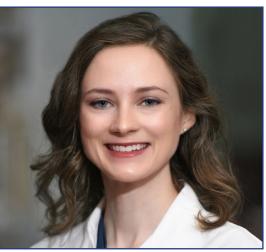
Program Director, Anesthesia Critical Care Fellowship Baylor College of Medicine *Conference Co-Chair

Galina Toneva, M.D. **Assistant Professor of Surgery** Division of Trauma and Acute Care Surgery Baylor College of Medicine

Director, Emergency General Surgery Baylor St. Luke's Medical Center

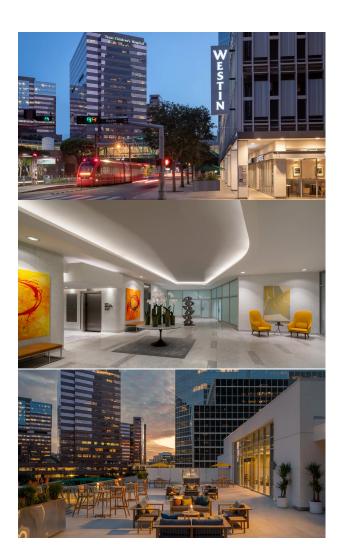


Amy Westwick Butcher, PA-C Physician Assistant Cardiothoracic Surgery South Shore University Hospital Northwell Health



ORGANIZING COMMITTEE

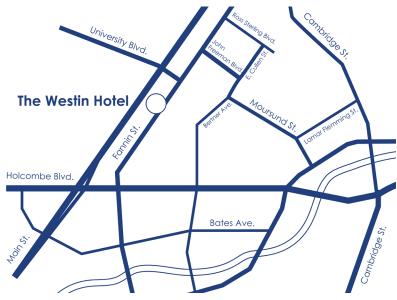
Jordan Lockhart Sharon Galloway Scott Holmes Brenda Jones



VENUE

The Westin Houston Medical Center/Museum District

1709 Dryden Road Houston, Texas 77030 (713) 730-2404



ABOUT THE CONFERENCE

The 4th Annual Advances in Critical Care Conference will feature speakers from the Texas Medical Center and around the country discussing all aspects of critical care. Topics will include the latest advances in sepsis, ARDS, shock, trauma, and neurocritical care. Join us for cutting edge discussions on ECMO, mechanical circulatory support, and neuromonitoring. Breakout sessions focusing on ICU systems, team dynamics, and much more. A number of advances are made in the broad field of critical care each year. The opportunity to hear from experts in the field, discuss the latest developments with an informed panel, and allow for meaningful audience engagement provides an opportunity for improved patient care; it is what sets this conference apart. Finally, we look at the latest in technological advances that will become routine in the near future.

This multidisciplinary and multispecialty symposium allows the entire critical care team and care network to engage in a two-day meeting to discuss these topics. We hope to offer clinicians a better understanding of why they do what they do, evidence-based presentations to modify their existing practice, a collaborative network to share and engage in ideas, and a thirst to acquire new knowledge to improve patient care at their institutions. We wish to highlight dedicated program content for advanced practice providers and nurses; the emphasis on cooperation and team-building is throughout the conference.

CME Information

Educational Objectives

At the conclusion of this activity, the participant should be able to:

- Describe fluids available and indications for use.
- Describe vasopressor initiation and escalation.
- Demonstrate when a referral should be made for cardiogenic shock mechanical circulatory support.

Accreditation

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 Texas Heart Institute and Baylor College of Medicine. Texas Heart Institute is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation

The Texas Heart Institute designates this live activity for a maximum of 14.75 AMA PRA Category 1 CreditsTM. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Ethics

This activity has been designated by The Texas Heart Institute for 1.00 hours of education in medical ethics and/or professional responsibility.

ABIM MOC Credit

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 14.75 Medical Knowledge 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. Successful completion is a passing grade of 70% on the assessment in the CME evaluation.

CNE Information

CHI St. Luke's Health Baylor St. Luke's Medical Center is approved as a provider of nursing continuing professional development by the Louisiana State Nurses Association Approver Unit, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation. LSNA Provider No. 4002068. Nurses can receive up to 15.75 CNE.

Opioids and Pain Management

Baylor College of Medicine designates this live activity for a maximum of 1.0 AMA PRA Category 1 $Credit^{TM}$. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

This activity has been designated by Baylor College of Medicine for 1 credit of education in medical ethics and/or professional responsibility.

This activity has been designated by Baylor College of Medicine for 1 credit of education in pain management and the prescription of opioids.

KEYNOTE SPEAKERS

Dr. Bram Rochwerg

Dr. Rochwerg is an intensivist and researcher based at McMaster University in Hamilton, Canada. His main focus of research includes sepsis and acute hypoxemic respiratory failure. He has expertise in meta-analysis, network meta-analysis, randomized controlled trials and clinical practice guideline methodology for which he currently works with many international organizations supporting their guideline development projects.



Dr. Rochwerg has published over 330 peer-

reviewed manuscripts and has co-authored many of the landmark studies and guidelines that are foundational in critical care. He serves on the executive for the Canadian Critical Care Society, the Internal Medicine Section at the Society of Critical Care Medicine and is the chair-elect for the Canadian Critical Care Trials Group. He is an associate editor at *Critical Care Medicine*, and *Critical Care Explorations*.

Dr. Sergio Zanotti-Cavazzoni

Dr. Sergio Zanotti-Cavazzoni specializes in critical care medicine and is chief medical officer for Sound Critical Care, Sound Physicians. Sergio is the director of Critical Care Medicine at Memorial Hermann Memorial City Medical Center in Houston, Texas. Dr. Zanotti is the host of *Critical Matters*, a podcast that covers a wide range of topics related to the practice of critical care medicine.



A graduate of the Universidad Nacional de Asuncion, Dr. Zanotti completed his

medical residency and was chief resident at Rush-Presbyterian-St. Luke's Medical Center in Chicago, Illinois. Sergio completed a Fellowship in critical care medicine at Rush-Presbyterian-St. Luke's Medical Center. He is board-certified in Critical Care Medicine and Neurocritical Care. Prior to joining Sound, Dr. Zanotti was program director for the Critical Care Medicine Fellowship and associate professor of medicine at Cooper Medical School of Rowan University in Camden, New Jersey. He is a member of the Alpha Omega Alpha $(A\Omega A)$ Honor Medical Society and has received multiple awards for excellence in medical education. Dr. Zanotti was recognized with Presidential Citations for his contributions to the Society of Critical Care Medicine in 2008, 2014 and in 2017.

In addition to clinical responsibilities, Dr. Zanotti is a prolific author, lecturer and researcher. He has served as editor in chief of the *Yearbook of Critical Care Medicine* (2012,1013) and has authored over 100 articles, book chapters and abstracts. Dr. Zanotti has been an invited lecturer at regional conferences, the Society of Critical Care Medicine, the Association of Chest Physicians and numerous international conferences in North America, South America, Europe and Asia. Dr. Zanotti has received certifications in Lean and Six-Sigma and has championed the concept of the Lean ICU within Sound Critical Care.

SCIENTIFIC PROGRAM Friday, Oct. 13, 2023

6:45-7:30 am Breakfast and Registration

7:30-7:45 am Welcome - Subhasis Chatterjee, M.D.

Session I: ARDS

7:45-7:55 am Has the COVID Experience Changed

ARDS Management? - Bindu Akkanti, M.D.

7:55-8:05 am Emerging concepts in Mechanical

Ventilation: Closed Loop Ventilation

- Christopher Howard, M.D.

8:05-8:15 am **Emerging Concepts in Mechanical**

Ventilation: Optimal PEEP/Esophageal

Balloon - Elias Kassis, M.D.

8:15-8:25 am Proning and ECMO

- Goutham Dronavalli, M.D.

8:25-8:55 am Panel Discussion

> Moderators: Dharani Narendra, M.D. and J. Patrick Herlihy, M.D.

Session II: Gastrointestinal

9:00-9:10 am Duodenal Perforation - Medical vs.

> Surgical Management? - Martin Zielinski, M.D.

9:10-9:20 am Minimizing Postoperative Nausea and

Vomiting - Jessica Brown, M.D.

Diagnosis and Management of 9:20-9:30 am

> Cholecystitis in the ICU - Robert Southard, M.D.

9:30-9:40 am Abdominal Compartment Syndrome

- Nicole Tapia. M.D.

9:40-10:00 am Panel Discussion

> Moderators: Galina Toneva, M.D. and Holly Clayton, PA-C

10:00-10:30 am **Break and Exhibits**

Advances in Critical Care 2023 | advancesincriticalcare.org

Session III: Systems

10:30-10:45 am How to Build a High-Reliability

Organization Using Telemedicine: Implications for Critical Care Medicine

- Timothy Buchman, Ph.D, M.D.

10:45-11:00 am Can Advanced Practice Providers Lead

Telecritical Care?

- Fiona Winterbottom, D-NP

Costs, Access, Incentive Alignment: 11:00-11:10 am

Healthcare Challenges Ahead

- Sved Raza, M.D.

11:10-11:20 am Embracing Diversity and Inclusion: The

View from the Texas Heart Institute

- Joseph Rogers, M.D.

11:20 -11:50 am Panel Discussion

Moderators: Subhasis Chatterjee, M.D.

and José L. Díaz-Gómez, M.D.

12:00-1:00 pm **Lunch and Keynote Speaker**

"Corticosteroids in Sepsis"

- Bram Rochwerg, M.D.

Session IV: Cardiovascular

1:05-1:15 pm MAP65: When to Choose an Alternative

Target? - Christopher Morgan, M.D.

1:15-1:25 pm Non-invasive Hemodynamics and

> Goal-Directed Therapy - Amy Butcher, PA-C

1:25-1:35 pm MI after CABG - Diagnosis and

Management - Briana Costello, M.D.

1:35-1:45 pm Cardiogenic Shock from Decompensated

Heart Failure: Escalation Algorithm

- Andrew Civitello, M.D.

1:45-1:55 pm Panel Discussion

Moderators: Lauren Barron, M.D.

and Subhasis Chatterjee, M.D.

Session V: Neurological

2:00-2:10 pm	Pupillometry in the Neurocritically ill - Mohammed Hirzallah, M.D.
2:10-2:20 pm	Democratizing EEG Technology for Intensivists - George W. Williams II, M.D.
2:20-2:30 pm	Use of Neurostimulants in the ICU - Keri Kim, PharmD, MS CTS, BCPS
2:30-2:40 pm	Predicting Outcomes after Traumatic Brain Injury - Tiffany Chang, M.D.
2:40-2:55 pm	Panel Dscsusion Moderators: José L. Díaz-Gómez, M.D. and Chethan Rao, M.D.
3:00-3:30 pm	Break and Exhibits

Concurrent Session VI: Trauma

3:30-3:40 pm	Management of Bleeding in the Anti-Coagulated Patient - Meredith Reyes, M.D.
3:40-3:50 pm	Management of Vascular Access Complications - Jayer Chung, M.D.
3:50-4:00 pm	Strategies to Minimize the Use of Opioids for Treatment of Pain - Kelci Dalton, PharmD
4:00-4:10 pm	Sternal and Chest Wall Trauma: Surgical vs. Nonoperative Management - David E. Mayer, M.D.
4:10-4:30 pm	Panel Discussion Moderator: Chad Wilson, M.D. and Martin Zielinski, M.D.

Concurrent Session VII: Nursing

Concurrent Session vii. Nursing	
3:30-3:40 pm	Nursing Care for ECMO and MCS Patients - Timothy Kraeter, RN
3:40-3:50 pm	Nursing/Physician Cooperation for Quality Improvement - Marie Clark, RN
3:50-4:00 pm	Nursing's Role in Reducing Hospital Acquired Infections - Takei Pipkins, RN
4:00-4:10 pm	Resilience and Burnout - Fiona Winterbottom, D-NP
4:10-4:30 pm	Panel Discussion Moderators: Sarah Morrissey, FNP-BC and Steve Klahn, RN
4:30-4:45 pm	Closing Remarks - Subhasis Chatterjee, M.D.
4:45-6:00 pm	Cocktail Reception
7:00-9:00 pm	Faculty Dinner

Saturday, Oct. 14, 2023

7:00-7:30 am Breakfast and Registration

7:35-7:45 am Welcome

Session VIII: Infection and Sepsis

7:45-7:55 am Three Most Impactful Sepsis Trials Last

Year - Christina Kao, M.D.

7:55-8:05 am IV Fluids in Septic Shock -What and How

Much? - Bela Patel, M.D.

8:05-8:15 am Optimal Vasopressor Management:

> Timing and Indications - Faisal Masud, M.D.

8:15-8:25 am Procalcitonin: Overused or

Underutilized? - Galant Chan. M.D.

8:25-8:35 am Sepsis Prediction: What's in your Wallet

EMR? - Timothy Buchman, PhD, M.D.

8:35-9:00 am Panel Discussion

Moderators: Fatima Adhi. M.D. and

Christopher Howard, M.D.

Session IX: Acute Kidney Injury

Renal Biomarkers for Early Detection of 9:00-9:10 am

AKI - Rajeev Raghavan, M.D.

Role of the Pharmacist in AKI Prevention 9:10-9:20 am

and Management

- Meghna Vallabh, PharmD

9:20-9:30 am What Intensivists Should Know about

CRRT - Anita Shah, M.D.

9:30-9:40 am Sooner Rather than Later: Stage 2 AKI

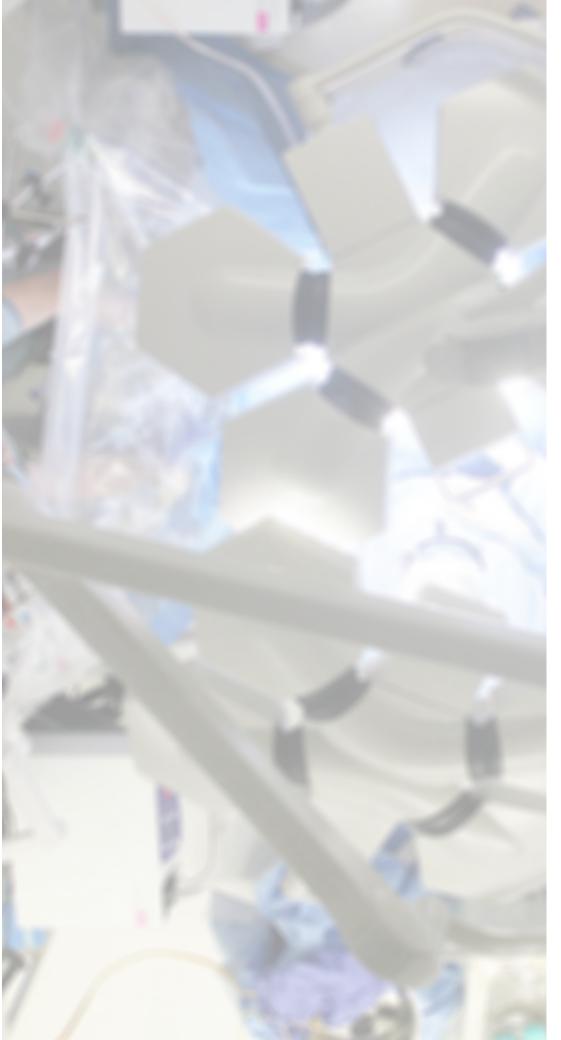
and Routine Nephrology Consultation

- Maulin Shah, M.D.

9:40am-9:55m Panel Discussion

Moderators: Amy Butcher, PA-C

and Sri Kartik Valluri, M.D.



Session X: HAT (Hematology, Anticoagulation and Transfusion)

10:00-10:10 am Latest Updates in HIT: Diagnosis and

Management - Martha Mims, M.D.

10:10-10:20 am Coagulation Monitoring

- Lisa Hensch, M.D.

10:20-10:30 am Pulmonary Embolism: Role of Catheter-

Based Interventions

- Pranav Lovalka, M.D.

10:30-10:40 am Blood Conservation in the ICU:

> Strategies that Work - Yangseon Park, M.D.

10:40-11:00 am Panel Discussion

Moderators: Aniket Rali, M.D.

and Cesar Castillo, M.D.

11:00-11:15 am **Break and Exhibits**

Concurrent Session XI: Opioids and Pain Management

11:15-11:23 am Physician Role in the Opioid Epidemic

- Scott Leikin, D.O.

11:24-11:32 am Multimodal Analgesia: Regional

Anesthetic Options - Thomas Powell, M.D.

11:33-11:41 am Multimodal Analgesia: Role of Ketamine

- Orlando Suero, M.D.

11:42-11:50 am Multimodal Analgesia: The role of

NSAIDS - Catherine Seger, M.D.

11:50-11:58 am Multimodal Analgesia: Pain management

> in the Chronic Opioid User - Jennifer Cortes, PharmD

11:59-12:15 pm Panel Discussion

Moderators: Kelci Dalton. PharmD

and Edward Yang, M.D.

Concurrent Session XII: Advanced Practice **Providers**

11:15-11:23 am Professional Development Pathways for APPs - Amy Butcher, PA-C 11:24-11:32 am Creating a Culture of Resiliency in Our Current Healthcare Landscape - Prasad Manian, M.D. APP Retenion and Turnover: 11:33-11:41 am Management Strategies - Holly Clayton, PA-C 11:42-11:50 am APPs +eICU + AI = The Future of Critical Care - J. Patrick Herlihy, M.D. Optimization and Imminent Changes in 11:50-11:58 am APP Billing - Ashley Tohill 11:59am-12:15pm Panel Discussion Moderators: Keegan Collins, PA-C

Lunch and Keynote Speaker 12:30-1:30 pm

> "The Fearless ICU: Building High Performance Teams in a Complex

and Seth Stephens DNP, APRN, ACNP-BC

Environment"

- Sergio Zanotti-Cavazzoni, M.D.

Debate Session XIII: Fluid Tolerance and Fluid Responsiveness by Ultrasonography

1:35-1:40 pm Introduction Moderators: Amy Butcher, PA-C and José L. Díaz-Gómez, M.D. Ultrasonography is all I Need in the ICU 1:40-1:50 pm - Mourad Senussi, M.D. 1:50-2:00 pm Ultrasonography is Not Enough - Aniket Rali, M.D. 2:00-2:05 pm Rebuttal 2:05-2:10 pm Rebuttal 2:10-2:35 pm Q&A

Advances in Critical Care 2023 | advancesincriticalcare.org

Debate Session XIV: ICU Dilemmas

1:35-1:40 pm	Introduction Moderators: Muhammad Khyzar Hayat Syed, M.D. and Megan Horne, R.D., L.D.
1:40-1:50 pm	Gastric Tube Feeds are Fine for Most - Marcus Hoffman, M.D.
1:50-2:00 pm	Enteral Tube Feeds are Much Preferred - Suneal Agarwal, M.D.
2:00-2:05 pm	Rebuttal
2:05-2:10 pm	Rebuttal
2:10-2:20 pm	Enteral Nutrition and Vasopressors - When is it Safe? - Jayshil Patel, M.D.
2:20-2:35 pm	Panel Discussion Moderators: Muhammad Khyzar Hayat Syed, M.D. and Megan Horne, R.D., L.D.
2:35-2:50 pm	Break and Exhibits

Session XV: Ethics

2:50-3:00 pm	How Early is Too Early for a Palliative Care Consult? - Astrid Grouls, M.D.
3:00-3:10 pm	Mitigation Strategies for Conflicts in the ICU - Subhasis Chatterjee, M.D.
3:10-3:20 pm	What Does Futility Mean? - Savitri Fedson, M.D.
3:20-3:30 pm	Delivering Culturally Competent Ethica Care - José L. Díaz-Gómez, M.D.
3:30-3:40 pm	Texas Natural Death Act: Changes You Need to Know - Brandy McKelvy, M.D.
3:40-3:50 pm	Panel Discussion

Moderators:

Muhammad Asim Siddique, M.D.. and Alexander Schutz, M.D.

3:50-4:05 pm **Closing Remarks**

- Subhasis Chatterjee, M.D.

FACULTY DISCLOSURE STATEMENT

As an accredited provider of continuing medical education for physicians, Texas Heart Institute is committed to ensuring its educational activities are fair, balanced, independent, objective, evidence-based and support safe and effective patient care.

The ACCME Standards for Integrity and Independence require that we collect disclosure from anyone who has control of the content of a CME activity. All individuals in control of content have disclosed all financial relationships that they have had in the past 24 months with ineligible companies. The ACCME defines an "ineligible company" as any entity whose primary business is producing, selling, re-selling, or distributing healthcare products used by or on patients.

Fatima Adhi, M.D. has nothing to disclose relevant to the content of his presentation
Suneal Agarwal, M.D. has nothing to disclose relevant to the content of his presentation
Bindu Akkanti, M.D. has nothing to disclose relevant to the content of his presentation
Lauren Barron, M.D. has nothing to disclose relevant to the content of his presentation
Jessica Brown, M.D. has nothing to disclose relevant to the content of his presentation
Timothy Buchman, M.D. has nothing to disclose relevant to the content of his presentation
Amy Butcher, PA-C* funded education-ERAS Cardiac Training Course 9/7/22-9/8/22 Edwards Lifesciences LLC
Cesar Castillo, M.D. has nothing to disclose relevant to the content of his presentation
Galant Chan, M.D. has nothing to disclose relevant to the content of his presentation
Tiffany Chang, M.D. has nothing to disclose relevant to the content of his presentation
Subhasis Chatterjee, M.D.* on advisory board for Eagle Pharmaceuticals
Jayer Chung, M.D. a researcher for Penumbra Inc.
Andrew Civitello, M.D. has nothing to disclose relevant to the content of his presentation

Andrew Civitello, M.D. has nothing to disclose relevant to the content of his presentation Marie Clark, RN has nothing to disclose relevant to the content of his presentation Holly Clayton, PA-C* has nothing to disclose relevant to the content of his presentation Keegan Collins, PA-C has nothing to disclose relevant to the content of his presentation Jennifer Cortes, PharmD has nothing to disclose relevant to the content of his presentation Brianna Costello, M.D. has nothing to disclose relevant to the content of his presentation Kelci Dalton, PharmD has nothing to disclose relevant to the content of his presentation Jose Diaz-Gomez, M.D.* has nothing to disclose relevant to the content of his presentation Goutham Dronavalli, M.D. has nothing to disclose relevant to the content of his presentation Savitri Fedson, M.D. has nothing to disclose relevant to the content of his presentation Astrid Grouls, M.D. has nothing to disclose relevant to the content of his presentation Muhammad Khyzar Hayat Syed, M.D.

Lisa Hensch, M.D. has nothing to disclose relevant to the content of his presentation J. Patrick Herlihy, M.D. receives equity for Obvius Robotics

J. Patrick Herlihy, M.D. receives equity for Obvius Robotics
Mohammad Hirzallah, M.D. has nothing to disclose relevant to the content of his presentation
Marcus Hoffman, M.D. has nothing to disclose relevant to the content of his presentation
Megan Horne, RD, LD has nothing to disclose relevant to the content of his presentation
Christopher Howard, M.D.* has nothing to disclose relevant to the content of his presentation
Christina Kao, M.D. has nothing to disclose relevant to the content of his presentation
Elias Kassis, M.D. receives honoraria for Hamilton Medical, Inc
Keri Kim, PharmD, MS received honoraria unrelated to this topic with RTI relationship ended

Keri Kim, PharmD, MS received honoraria unrelated to this topic with RTI relationship ende Steve Klahn, RN has nothing to disclose relevant to the content of his presentation Timothy Kraeter, RN has nothing to disclose relevant to the content of his presentation Scott Leikin, DO has nothing to disclose relevant to the content of his presentation

Pranav Loyalka, M.D. has nothing to disclose relevant to the content of his presentation Prasad Manian, M.D. has nothing to disclose relevant to the content of his presentation Faisal Masud, M.D. is on advisory board for Astrazeneca and Teleflex Brandy McKelvy, M.D. has nothing to disclose relevant to the content of his presentation David Meyer, M.D. has nothing to disclose relevant to the content of his presentation Martha Mims, M.D. has nothing to disclose relevant to the content of his presentation Christopher Morgan, M.D. has nothing to disclose relevant to the content of his presentation Sarah Morrissey, FNP-BC has nothing to disclose relevant to the content of his presentation Dharani Narendra, M.D. has nothing to disclose relevant to the content of his presentation Yangseon Park, M.D. has nothing to disclose relevant to the content of his presentation Bela Patel, M.D. has nothing to disclose relevant to the content of his presentation Jayshil Patel, M.D. is a consultant for Baxter, on advisory board for Fresenius Kabi Takei Pipkins, RN has nothing to disclose relevant to the content of his presentation Thomas Powell, M.D. has nothing to disclose relevant to the content of his presentation Rajeev Raghavan, M.D. is advisor for GSK

Aniket Rali, M.D. has nothing to disclose relevant to the content of his presentation Chethan Rao, M.D. has nothing to disclose relevant to the content of his presentation Syed Raza, M.D. has nothing to disclose relevant to the content of his presentation Meredith Reyes, M.D. has nothing to disclose relevant to the content of his presentation Bram Rochwerg, M.D. has nothing to disclose relevant to the content of his presentation Joseph Rogers, M.D. has nothing to disclose relevant to the content of his presentation Alexander Schutz, M.D. has nothing to disclose relevant to the content of his presentation Catherine Seger, M.D. has nothing to disclose relevant to the content of his presentation Mourad Senussi, M.D. has nothing to disclose relevant to the content of his presentation Anita Shah, M.D. has nothing to disclose relevant to the content of his presentation Maulin Shah, M.D. has nothing to disclose relevant to the content of his presentation Muhammad Siddique, M.D. has nothing to disclose relevant to the content of his presentation Robert Southard, M.D. has nothing to disclose relevant to the content of his presentation Seth Stephens, DNP has nothing to disclose relevant to the content of his presentation Orlando Suero, M.D. has nothing to disclose relevant to the content of his presentation Nicole Tapia, M.D. resident education, receives honoraria and speaker for Intuitive Ashley Tohill has nothing to disclose relevant to the content of his presentation Galina Toneva, M.D.* has nothing to disclose relevant to the content of his presentation Meghna Vallabh, PharmD has nothing to disclose relevant to the content of his presentation Sri Kartik Valluri, M.D. has nothing to disclose relevant to the content of his presentation George W. Williams, M.D. has nothing to disclose relevant to the content of his presentation Chad Wilson, M.D. has nothing to disclose relevant to the content of his presentation Fiona Winterbottom, D-NP is an advisor for Baxter Health, and a consultant for Zoll Medical. She is an employee of Ochsner Health

Edward Yang, M.D. has nothing to disclose relevant to the content of his presentation Sergio Zanotti-Cavazzoni, M.D. has nothing to disclose relevant to the content of his presentation Martin Zielinski, M.D. has nothing to disclose relevant to the content of his presentation

The THI CME Staff have nothing to disclose
The Program Reviewers have nothing to disclose
The Planning Committee members have nothing to disclose relevant to this program

All relevant financial relationships have been mitigated.

*Program Directors

CME CREDIT and EVALUATION

To receive your CME Credits you must complete the CME Evaluation.

The CME Evaluation QR Code will be available to scan during the afternoon break on the 2nd Day of the symposium.

The Evaluation QR code will be located at the Registration Desk.

After completing the Evaluation, you will be directed to the CME Portal

- Sign in (or create a new account)
- Select the appropriate credit and receive CME credit for this symposium (You can print your certificate once connected to a printer)

NOTE: You must complete ALL STEPS to successfully obtain your credits

NURSING CREDIT and EVALUATION

In order to receive your Continuing Nursing Education Credits, you must complete the Continuing Nursing Education Evaluation for each session you attended.

The Continuing Nursing Education Evaluation QR code will be available to participants each day of the symposium at the registration desk.

You will receive your CE Certificate via email within 7 business days of receipt of the completed evaluation form.

EDUCATIONAL GRANTS

This continuing medical education activity has been supported, in part, by unrestricted educational grants from the following companies:

Abbott Abiomed Decisio Health

EXHIBITORS

We thank the companies listed here for exhibiting at this symposium:

Abbott
AtriCure
Biomerieux
Decisio Health
Edwards
GE Healthcare
Getinge
Haemonetics
Hamilton Medical
ISTX (Innoviva Specialty Therapeutics)
KLS Martin
Melzi Surgical
TurnCare
Werfen