

October 14-15

Baylor College of Medicine

CONFERENCE ORGANIZERS



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



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Medical Director, Surgical Intensive Care Unit Baylor St. Luke's Medical Center



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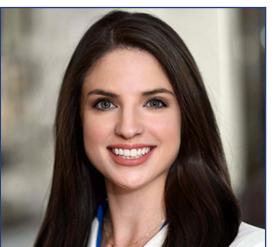
Stephanie Jackson Scott Holmes Amanda May Dr. Todd K. Rosengart



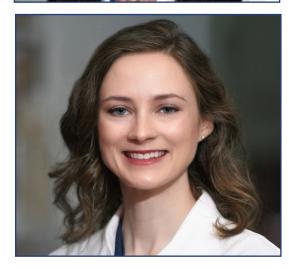
José L. Díaz-Gómez, M.D. Section Chief, Cardiothoracic, Circulatory Support, and Transplant Critical Care

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

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Holly Clayton, M.P.A.S., PA-C Assistant Professor of Surgery Director of Advanced Clinical Practitioners and Clinical Services Baylor College of Medicine



Amy Westwick Butcher, PA-C Instructor in Medicine Department of Pulmonary, Critical Care, and Sleep Medicine Baylor College of Medicine

ABOUT THE CONFERENCE

The third annual Advances in Critical Care Conference brings together all members of multidisciplinary teams that care for critically ill patients, both surgical and medical, on a virtual platform. This conference provides an opportunity to connect with colleagues, network and collaborate with critical care experts around the country, and explore state-of-the-art tools, technologies, and care pathways. Highlighting the broad critical care necessary for COVID-19 management there will be engaging speakers and panel sessions on sepsis, ARDS, trauma, ECMO, shock, acute kidney injury, and other cutting-edge topics.

TARGET AUDIENCE

This course is designed for physicians, physician assistants, nurse practitioners, registered nurses, and other medical care providers who must maintain the state-of-the-art knowledge required to care for medical and surgical critical care patients.

LEARNING OBJECTIVES

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

- Use the skills gained to implement more efficient/accurate diagnosis processes and treatment techniques to provide improved care for critically ill patients.
- Utilize ECMO, percutaneous mechanical support devices, REBOA, and other tools in the management of critically ill patients.

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 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

Texas Heart Institute designates this live activity for a maximum of 12 AMA PRA Category 1 Credits™ Physicians should claim only the credit commensurate with the extent of their participation in the activity.

MOC

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 12.00 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.

NURSES

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, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation. LSNA Provider No. 4002068.

Up to 5.5 contact hours will be awarded for successful completion of this activity. To receive a certificate of completion with awarded contact hours, you are required to sign-in at registration each day, attend the entire program or partially for topics listed on the tracker and return the completed evaluation form each day.

SCIENTIFIC PROGRAM

Thursday, Oct. 14, 2021

7:30-7:45 am

Welcome

Dr. Subhasis Chatterjee

Session I: One Year into COVID-19: Then and Now

7:45-8:00 am The Delta Variant, Vaccines, and Where We Go From Here - Dr. Peter Hotez

8:00-8:10 am Q & A with Dr. Peter Hotez

8:10-8:20 am Updated Surviving Sepsis Guidelines for

COVID-19 - Dr. Laura Evans

What's on the Horizon for COVID-19 8:20-8:30 am

- Dr. Lavannva Pandit

Myocardial Injury and Sequelae after 8:30-8:40 am

COVID-19 - Dr. Aniket Rali

8:40-9:00 am Panel Discussion

Moderators: Dr. James Herlihy and Dr. Ivan Rosas

Session II: Infection and Sepsis

9:00-9:10 am Targeted Vasopressor Strategies in Septic

Shock - Dr. Ashish Khanna

How I Use Procalcitonin in the ICU 9:10-9:20 am

- Dr. Sergio Trevino

9:20-9:30 am Resistant Pathogens: What Keeps

Me Up at Night - Dr. Galant Chan

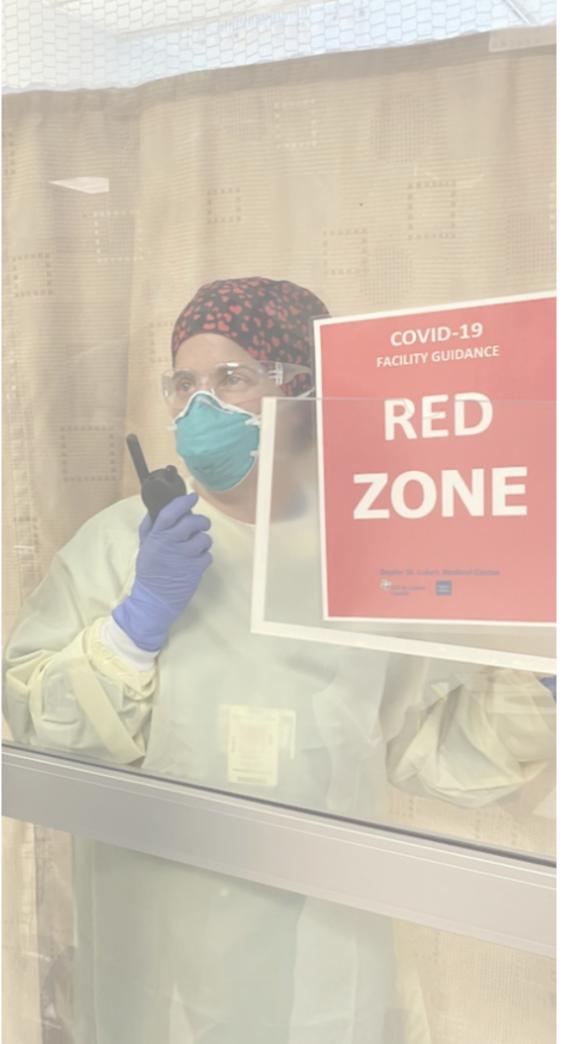
9:30-9:40 am Vitamin C and Thiamine: Fact or Fiction

- Dr. Chris Morgan

9:40-9:55 am Panel Discussion

Moderators: Dr. Jose Diaz-Gomez and Dr. Fatima Adhi

9:55-10:00 am **Break and Exhibits**



Session III: ARDS

10:00-10:10 am The Role of Noninvasive Ventilation

- Dr. Jairo Barrantes

10:10-10:20 am Predicting the Difficult Intubation

- Dr. Edward Yang

The Role of Corticosteroids in ARDS in 2021 10:20-10:35 am

- Dr. Jesus Villar

10:35-10:45 am How Low is Too Low? Refractory

> Hypoxemia Despite ECMO - Dr. JW Awori Hayanga

10:45-11:00 am Panel Discussion Moderators: Dr. Kalpalatha Guntupalli and Dr. Sunjay Devarajan

Session: IV: Acute Kidney Injury

1:00-1:10 pm Hyponatremia Evaluation and

Management in the ICU: Causes,

Diuretics, Vaptans - Dr. Rajeev Raghavan

Renal Biomarkers for Early Detection of AKI 1:10-1:20 pm

- Dr. Alexander Zarbock

Cardiorenal Syndrome: Updated 1:20-1:30 pm

Management - Dr. Jacob Jentzer

1:30-1:40 pm AKI after Cardiac Surgery: Prevention in

the ICU - Dr. Daniel Engelman

1:40-1:55 pm Panel Discussion

Moderators: Dr. Subhasis Chatterjee and Amy Butcher

1:55-2:00 pm **Break and Exhibits**

Concurrent Session V: Breakout Session 1 (Ultrasound: Expert Panel)

Ultrasound: Must Know POCUS ICU Cases 2:00-2:10 pm

- Dr. Jose Diaz-Gomez

Open Discussion and Debate

2:10-2:40 pm - Dr. Mourad Senussi

> - Dr. Michael Lanspa - Dr. Sara Nikravan

2:40-2:55 pm Q and A

Concurrent Session V: Breakout Session 2 (End-Stage Heart and Lung Disease)

2:00-2:10 pm ECMO Bridging to Heart Transplantation

- Dr. Anju Bhardwaj

2:10-2:20 pm Experience with Lung Transplant for

COVID-19 - Dr. Gabriel Loor

2:20-2:30 pm RV Failure after LVAD Implantation:

> Medical vs. MCS Options - Dr. Andrew Civitello

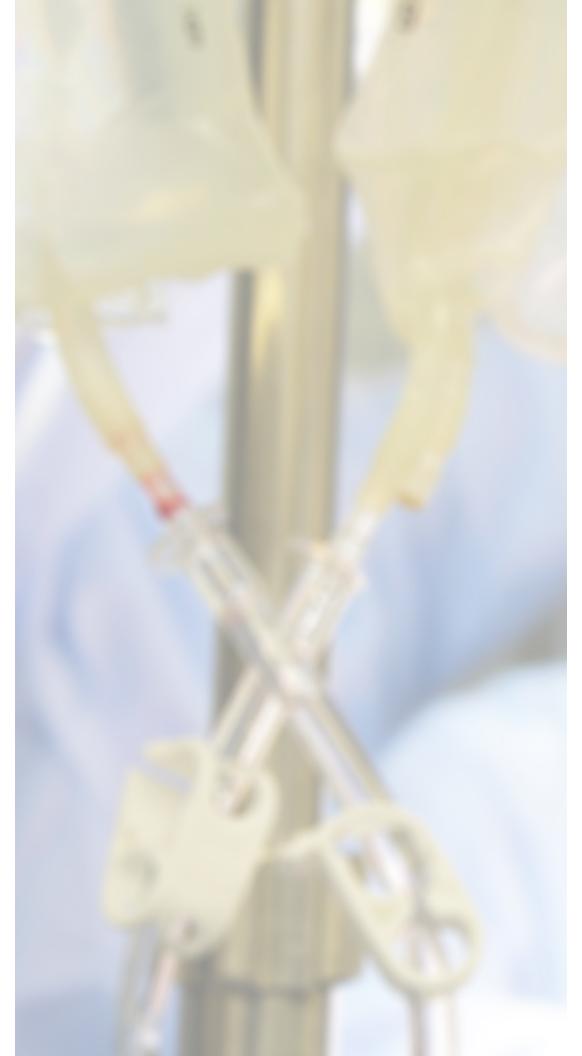
2:30-2:40 pm Approach to the Pulmonary Infiltrate after

Lung Transplantation: Pneumonia vs. Graft

Dysfunction - Dr. Gloria Li

2:40-2:55 pm Discussion

Moderators: Dr. Erik Suarez and Dr. Bindu Akkanti



Concurrent Session VI: Breakout Session 1 (Advanced Ventilator Management: Expert Panel)

Demo Video - Dr. David Wu 3:00-3:15 pm

Open Discussion and Debate

- Dr. Richard Oeckler 3:15-3:45 pm

- Dr. Sarina Sahetya

- Dr. Bo Soo Kim

3:45-3:55 pm Q and A

Concurrent Session VI: Breakout Session 2 (Family Engagement)

3:00-3:10 pm Family Engagement: On Rounds and

Virtually - Amy Butcher

3:10-3:20 pm After COVID, Post ICU Recovery

- Dr. Dharani Narendra

3:20-3:30 pm Optimal Use of Palliative Care with

Families - Dr. Eberechi Nwogu-Onyempka

3:30-3:40 pm When Doctors and Families Disagree:

Legal and Ethical Considerations

- Dr. Savitri Fedson

3:40-3:55 pm Discussion

Moderators: Dr. Michele Loor and Dr. Diana Guerra

Friday, Oct. 15, 2021

7:55-8:00 am Welcome

Session VII: Cardiac Conundrums

A-Fib in the ICU: Rate vs. Rhythm Control: 8:00-8:10 am

Antithrombotic Therapies

- Dr. Mourad Senussi

8:10-8:20 am Cardiogenic Shock: The Role for Early

MCS - Dr. Marwan Jumean

8:20-8:30 am Demand Ischemia in the ICU:

Overdiagnosed or Undertreated?

- Dr. Greg Barsness

8:30-8:40 am Hypertensive Emergencies: Latest

Advances - Dr. Gregary Marhefka

8:40-8:55 am Panel Discussion

Moderators: Dr. Lola Xie and Dr. Stephanie Coulter

8:55-9:00 am **Break and Exhibits**

Session VIII: GI Dilemmas

9:00-9:10 am Management of Variceal Bleeding

- Dr. Kalpesh Patel

9:10-9:20 am State-of-the-Art Management of

> Necrotizina Pancreatitis - Dr. George Van Buren II

9:20-9:27 am Lower GI Bleeding: Gastroenterologist

Perspective - Dr. Reena Chokshi

9:27-9:34 am Lower GI Bleeding: Interventional

Radiologist Perspective - Dr. Milin Patel

9:34-9:40 am Lower GI Bleeding: Colorectal Surgeon

Perspective - Dr. Yesenia Rojas-Khalil

9:40-9:55 am Panel Discussion

Moderators: Dr. Celia Robinson Ledet and Holly Clayton

9:55-10:00 am **Break and Exhibits**



Session IX: Quality Improvement in the ICU

10:00-10:10 am How to measure QI in the ICU

- Dr. Peter Wong

10:10-10:20 am How to do a QI Project - Alex Brinkley

10:20-10:30 am Nursing Initiatives in QI - Mila Sprouse

10:30-10:40 am Staffing Challenges in the ICU

- Marilia Diaz Correa

Panel Discussion 10:40-11:00 am

Moderators: Megan Fischer and Dr. Kartik A. Valluri

11:00-12:45 pm **Break and Exhibits**

Plenary Session X: How the System Held Up

12:45-1:00 pm COVID-19: The 4 P's for What We Did Well

and Could Have Done Better

- Dr. Greg Martin

1:00-1:10 pm The TMC View - A Year Later

- Liz Youngblood

1:10-1:25 pm The New Normal: Critical Care after

COVID-19 - Dr. Lewis Kaplan

1:25-1:40 pm Understanding Decision Making in Critical

Care - Dr. Geoffrey Lighthall

1:40-1:55 pm Panel Discussion

Moderator: Dr. Subhasis Chatterjee, Ashley McPhail,

and Isaac Middleton

Concurrent Session XI: Breakout Session 1 (The APP in the Multidisciplinary Team)

2:00-2:10 pm Assembling a Multidisciplinary Critical Care Team - Dr. Michele Loor

2:10-2:20 pm Advancements and Challenges in the

Multidisciplinary Critical Care Team Model

- April Kapu

2:20-2:30 pm The First Steps: APC Early Training and

Onboarding Optimization - Kristin Marsack

The Next Steps: APC Career 2:30-2:40 pm

Advancement Pathways - Holly Clayton

2:40-2:55 pm Panel Discussion

Moderators: Amy Butcher and Robert Webster

Concurrent Session XI: Breakout Session 2 (Updates in Trauma)

2:00-2:10 pm Blunt Cerebral Vascular Injury: Latest

Advances - Dr. Chad Wilson

2:10-2:20 pm Blood Product Concentrates in Traumatic

Shock - Dr. Bryan Cotton

2:20-2:30 pm Mass Casualty Disaster Preparedness

- Dr. Ira Nemeth

2:30-2:40 pm Non-Opioid Pain Management in Trauma

- Dr. John Harvin

2:40-2:55 pm Panel Discussion

Moderators: Dr. Catherine Seger and Dr. R. Mario Vera

2:55-3:00 am **Break and Exhibits**



Concurrent Session XII: Breakout Session 1 (Mind and Brain)

3:00-3:10 pm Delirium - Dr. Rakesh Arora 3:10-3:20 pm The Role of Neuromonitoring in the ICU - Dr. Chethan PV Rao 3:20-3:30 pm Ketamine in the ICU - Dr. Michael Grant 3:30-3:40 pm Targeted Temperature Management - Dr. Rahul Damani 3:40-3:55 pm Panel Discussion

and Dr. Gloria Rodriguez-Vega

Concurrent Session XII: Breakout Session 2 (Optimizing Nutrition: Rapid Fire Presentations)

3:00-3:08 pm Immunonutrition: Is it Ready for Primetime? - Dr. Robert Southard 3:08-3:16 pm Nutrition in the Early Acute Phase of Critical Illness: To Famish or Fulfill - Dr. Jayshil Patel 3:16-3:24 pm Gastric vs. Enteral Feeding: When Does it Matter - Dr. Jeremy Ward 3:24-3:32 pm The Case for Preoperative Nutrition - Dr. Subhasis Chatterjee 3:32-3:40 pm Is TPN Underused? - Meagan Horne 3:40-3:55 pm Panel Discussion Moderators: Dr. Louisa Chiu and Cheldun Neubauer

3:55-4:00 pm **Closing Remarks**

Moderators: Dr. Jose Diaz-Gomez

Faculty List

Dr. Peter Hotez Dr. Laura Evans Dr. Lavannya Pandit

Dr. Aniket Rali Dr. Pat Herlihy Dr. Ivan Rosas

Dr. Ashish Khanna Dr. Seraio Trevino Dr. Galant Chan Dr. Chris Morgan Dr. Fatima Adhi

Dr. Jairo Barrantes

Dr. Edward Yana Dr. Jesus Villar

Dr. Kalpalatha Guntupalli

Dr. Sunjay Devarajan Dr. Rajeev Raghavan

Dr. Alexander Zarbock

Dr. JW Awori Hayanga

Dr. Jacob Jentzer Dr. Daniel Engelman

Amy Butcher, PA Dr. Jose Diaz-Gomez Dr. Mourad Senussi

Dr. Michael Lanspa

Dr. Sara Nikravan

Dr. Anju Bhardwaj Dr. Gabriel Loor MD

Dr. Andrew Civitello Dr. Gloria Li

Dr. Erik Suarez Dr. Bindu Akkanti

Dr. David Wu

Dr. Richard Oeckler

Dr. Sarina Sahetya Dr. Bo Soo Kim

Dr. Dharani Narendra Dr. Eberechi Nwogu-Onyempka

Dr. Savitri Fedson

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Dr. Marwan Jumean Dr. Greg Barsness Dr. Gregary Marhefka

Dr. Michele Loor

Dr. Diana Guerra

Dr. Stephanie Coulter Dr. Kalpesh Patel Dr. George Van Buren Dr. Reena Chokshi

Dr. Milin Patel

Dr. Lola Xie

Dr. Yesenia Rojas-Khalil Dr. Cecilia Robinson Ledet

Holly Clayton, PA Dr. Peter Wong Dr. Mila Sprouse Alex Brinkley, NP Marilia Diaz Correa

Meaan Fischer

Sri Kartik Anand Valluri

Dr. Greg Martin

Liz Younablood

Dr. Lewis Kaplan Dr. Geoffrey Lighthall Dr. Subhasis Chatterjee

Dr. Kartik A Valluri April Kapu, DNP Kristin Marsack, PA Robert Webster, RN

Dr. Chad Wilson

Dr. Bryan Cotton Dr. Ira Nemeth

Dr. John Harvin

Dr. Rakesh Arora Dr. Chethan PV Rao

Dr. Michael Grant Dr. Rahul Damani

Dr. Gloria Rodgriguez-Vega

Dr. Robert Southard Dr. Jayshil Patel Dr. Jeremy Ward Meagan Horne, RD

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This activity has been planned to be well-balanced, objective, and scientifically rigorous. Information and opinions offered by speakers represent their viewpoints. Conclusions drawn by the audience should be derived from careful consideration of all available scientific information.

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