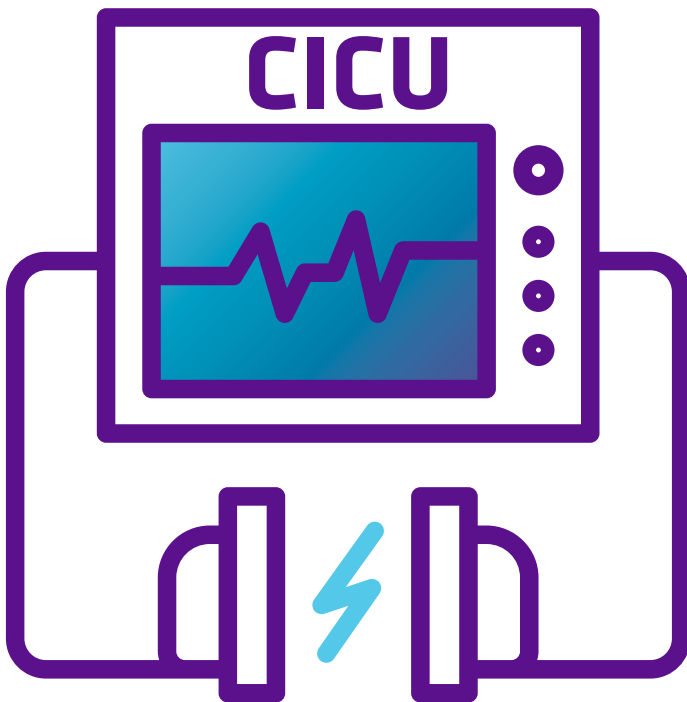


# The NYU Langone Critical Care Cardiology Symposium

**New York, NY + Global Live Stream**

**Friday-Saturday, October 20-21, 2023**  
[nyulmc.org/critcarecardscme](http://nyulmc.org/critcarecardscme)



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## COURSE DESCRIPTION

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The complexity, acuity and severity of illness of patients admitted to the cardiac intensive care unit (CICU) continues to increase. This is reflected by changes in diagnoses, non-cardiovascular complications and patient co-morbidities. Such changes call for a shift in the approach to treating patients admitted to the contemporary CICU, highlighting the importance of a cardiovascular specialist with a comprehensive understanding of critical care medicine. This third annual course will provide a comprehensive, state-of-the-art approach to the management of patients with acute cardiovascular conditions. This will include topics such as cardiogenic shock, cardiac arrest, arrhythmias, congenital heart disease in the CICU, research in critical care cardiology (CCC), surgical emergencies for the critically ill cardiac patient (e.g. mechanical complications of myocardial infarction), end-of-life issues and valvular heart disease, as well as other non-cardiovascular conditions. Similarly, it will provide a practical overview of the team-based approach in CCC, including collaborative discussions with other specialties. This course will help fill a knowledge gap that will bolster the clinician's diagnostic and treatment approach. It will provide evidence-based recommendations for the management of these patients with didactic lectures, pro/con debates and round tables by world-renowned experts. The program will include innovative breakout sessions and an optional hands-on simulation training program, which will be enhanced this year to improve the learners' experience. This year the program will host a poster session to give attendees an opportunity to present their research and interesting cases in CCC.

## IN-PERSON AND VIRTUAL COURSE FEES

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**Full:** \$349

**Advanced Practice Provider:** \$249

**Nurse:** \$199

**EMT/Medic:** \$50

**Residents/Fellows/Medical Students:** \$99

**Optional Simulation Education Session (in-person only)\*:** \$200

\* Space is limited

## CONTACT INFORMATION

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**NYU Grossman School of Medicine**

Phone: 212-263-5295

Email: [cme@nyulangone.org](mailto:cme@nyulangone.org)

## EDUCATIONAL OBJECTIVES

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After participating in this activity, clinicians should be able to:

- Differentiate and diagnose the distinct phenotypes of cardiogenic shock and learn specific management strategies for each
- Integrate the components of a multidisciplinary shock team and shock network including optimization of end-organ dysfunction management as a proven strategy to improve outcomes
- Identify key features to prompt shock team activation and escalation of care with other specialties as needed
- Manage high-complexity conditions in the CICU including cardiac arrest, congenital heart disease, restrictive cardiomyopathies, right ventricular failure and pulmonary hypertension
- Utilize practical tips from CICU experts to improve outcomes and approach challenging scenarios including airway and ventilation management, sedation, hemodynamics and arrhythmias
- Describe best practices in CICU clinical care, education and research in order to improve quality and outcomes in local CICUs
- Utilize multidisciplinary approaches to manage end-of-life issues in the CICU

## TARGET AUDIENCE

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Practicing clinicians who work in a CICU, including critical care cardiologists, general cardiologists, interventional cardiologists, heart failure cardiologists, emergency medicine physicians, anesthesiologists, surgeons, palliative care specialists, critical care specialists, nurse practitioners, physician assistants, residents, fellows, medical students, EMTs and paramedics, pharmacists, physical therapists, respiratory therapists, researchers, educators and nurses.

## REGISTRATION

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[nyulmc.org/critcarecardscme](https://nyulmc.org/critcarecardscme)

*After 12 pm on October 17, 2023, only onsite or virtual registration is available, provided the course has not reached capacity. Onsite registrants will incur an additional \$20 charge. Registration is non-transferable between courses. Registration for virtual learners will close the day prior to the course at 3 pm*

## LOCATION

On Friday-Saturday, October 20-21, 2023, the course will be held both in person at NYU Langone Health and live-streamed online.

NYU Langone Health  
550 First Avenue, Alumni Hall  
New York, NY 10016

On Saturday, October 21, 2023, the Simulation Education Session\* will take place only in-person at: VA HOSPITAL SIM LAB  
423 E 23rd St, 11 South  
New York, NY 10010

*\*Attendees must register online in order to attend in-person. Space is limited.*

## NYU LANGONE CRITICAL CARE CARDIOLOGY SYMPOSIUM AND CARDIONERDS POSTER SESSION



### Call for Abstracts and Clinical Cases!

All conference attendees are invited to submit case reports and abstracts. Original abstracts and those that have been previously presented in other meetings may be submitted. If selected for poster presentation, presenting author must register for the meeting and attend the poster session in person on Saturday, October 21, 2023. Best poster will be awarded in each of the four categories.

- Abstracts and cases will be accepted now through August 31, 2023.
- Select abstracts will be published in USC Review Journal, the official journal of CardioNerds.
- Further details about poster requirements will be communicated after abstracts are accepted.
- Please submit your abstracts using the QR code above.

### CME ACCREDITATION STATEMENT

The NYU Grossman School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

### PROVIDED BY

NYU Grossman School of Medicine

### NURSING CONTINUING PROFESSIONAL DEVELOPMENT CONTACT HOURS

This program will provide 15.75 continuing nursing education contact hours. Participants must complete a course evaluation to claim contact hours for this learning activity. NYU Rory Meyers College of Nursing Center for Nursing Continuing Professional Development is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation. (Provider #P0367).

### MAINTENANCE OF CERTIFICATION - ABIM



Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 14.75 Medical Knowledge 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.

### COURSE RECORDING

All fees include 30 day access to course recording; once available, a link will be emailed to all registrants

### CREDIT DESIGNATION STATEMENT

The NYU Grossman School of Medicine designates this live activity for a maximum of 14.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### COURSE PLATFORM

Course materials will be distributed electronically via a course platform. Emails regarding this platform will be sent beginning two weeks prior to the course. You will be able to access via a website or by downloading the app in order to view the course materials before, during, and after the course. The course presentations will be available for view/download/print the week of the course. The course platform will be available for 45 days after the course.

### REFUND POLICY

Submit your request for a refund of course fees more than \$75 no later than 7 days before the course start date. No refunds will be issued for cancellations or no-shows after that time. To request a refund, email [cme@nyulangone.org](mailto:cme@nyulangone.org). A \$75 administrative fee will be deducted.

### COURSE CANCELLATION POLICY

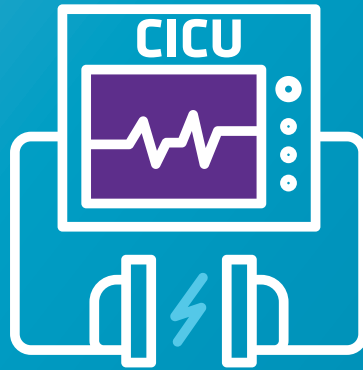
If a course is cancelled due to inclement weather, insufficient enrollment, or any other reason, NYU Grossman School of Medicine will refund registration fees in full. NYU Grossman School of Medicine will provide at least two weeks' advance notice if cancelling due to insufficient enrollment and as soon as possible in all other circumstances. NYU Grossman School of Medicine is not responsible for any non-cancellable costs incurred by the registrant.

## COURSE DIRECTORS

- **Carlos L. Alviar, MD**  
Assistant Professor of Medicine  
The Leon H. Charney Division of Cardiology  
NYU Grossman School of Medicine  
Director, Cardiac Intensive Care Unit  
Director, Extracorporeal Membrane Oxygenation Program  
Bellevue Hospital Center
- **Christopher Barnett, MD, MPH**  
Professor of Medicine  
Chief, Section of Critical Care Cardiology  
Director, Cardiac Intensive Care Unit and Inpatient Cardiology  
Division of Cardiology  
University of California, San Francisco
- **Samuel Bernard, MD**  
Assistant Professor of Medicine  
The Leon H. Charney Division of Cardiology  
NYU Grossman School of Medicine
- **Ann Gage, MD, MS**  
Centennial Heart, Centennial Medical Center, Nashville, TN  
Medical Director, Cardiac Intensive Care Unit
- **James Horowitz, MD**  
Clinical Assistant Professor of Medicine  
The Leon H. Charney Division of Cardiology  
NYU Grossman School of Medicine  
Assistant Chief of Service, Division of Cardiology, Department of Medicine, NYU Tisch Hospital  
Director, Cardiac Intensive Care Unit, NYU Tisch Hospital  
Co-Director, Interdisciplinary Resuscitation Committee  
Assistant Program Director, Pulmonary Disease/Critical Care Medicine Fellowship
- **Jason N. Katz, MD, MHS**  
Associate Professor of Medicine  
Duke University School of Medicine  
Director of Cardiovascular Critical Care for Duke Heart and the Duke University Health System  
Medical Director, Duke Cardiac Intensive Care Unit  
Medical Director, Duke Mechanical Circulatory Support Program
- **Eugene Yuriditsky, MD**  
Assistant Professor of Medicine  
The Leon H. Charney Division of Cardiology  
NYU Grossman School of Medicine  
Associate Director, Cardiac Intensive Care Unit  
NYU Langone Tisch Hospital

## NURSING CONTENT PLANNERS

- **Karsten W. Drus, RN**  
NYU Grossman School of Medicine
- **Mattia Gilmartin, RN, PhD, FAAN**  
NYU Rory Meyers College of Nursing
- **Maureen G. Lohan-Mullens, MSN, RN, NM**  
NYU Grossman School of Medicine
- **Hannah Schimmer, MSN, AGACNP-BC**  
NYU Grossman School of Medicine



## CONTENT PLANNERS

- **Tania Ahuja, PharmD**  
NYU Langone Health
- **Anthony Andriotis, MD**  
NYU Langone Health
- **Erin Bohula May, MD, DPhil**  
Brigham and Women's Hospital
- **Andrea Elliott, MD**  
University of Minnesota Medical School
- **Molly Forster, MD**  
NYU Langone Health
- **Alejandra Gutierrez, MD**  
University of Minnesota Medical School
- **Neyra Jemal, MD**  
NYU Langone Health
- **Raymond A. Pashun, MD**  
NYU Langone Health
- **Balim Senman, MD**  
Duke University School of Medicine
- **Shashank Sinha, MD, MSc**  
Inova Health, VA

## NYU LANGONE HEALTH SPEAKERS

- **Tania Ahuja, PharmD**
- **Anthony A. Andriotis, MD**
- **Benjamin A. Bier, MD**
- **James W. Ciancarelli, MD**
- **Susan E. Cohen, MD**
- **John Davidson, MBA, PA-C**
- **Karsten W. Drus, RN**
- **Glenn I. Fishman, MD**
- **Molly Forster, MD**
- **Stephanie Golob, MD**
- **Allison A. Greco, MD**
- **Dan G. Halpern, MD**
- **Anais Hausvater, MD**
- **Kerry Hena, MD**
- **Judith S. Hochman, MD**
- **Neyra Jemal, MD**
- **Darren Kang, PA-C**
- **Tanjit Kaur, PA-C**
- **Elyse LaFond, MD**
- **Maureen Lohan-Mullens, MSN, RN, NM**
- **Daniele Massera, MD, MSc**
- **Laura Methvin, MD**
- **Nader Moazami, MD**
- **Raymond A. Pashun, MD**
- **Deepak R. Pradhan, MD**
- **Shaline D. Rao, MD**
- **Sunil Rao, MD**
- **Harald Sauthoff, MD**
- **Hannah Schimmer, MSN, AGACNP-BC**
- **Deane E. Smith, MD**
- **Tatiana B. Weinstein, MD**

## GUEST SPEAKERS

- **Catherine Allan, MD**  
Harvard Medical School
- **Willard N. Applefeld, MD**  
Duke University School of Medicine
- **Diego Araiza-Garaygordobil, MD, MSc**  
Instituto Nacional de Cardiología Ignacio Chávez, México City, Mexico
- **Alexandra Arias, MD**  
National Institute of Cardiology, México City, Mexico
- **Jordi Bañeras, MD**  
Hospital Universitari Vall d'Hebron, Barcelona, Spain
- **Courtney Bennett, DO**  
Mayo Clinic
- **David D. Berg, MD, MPH**  
Brigham and Women's Hospital
- **Kathryn Berlacher, MD**  
University of Pittsburgh School of Medicine
- **Erin Bohula May, MD, DPhil**  
Harvard Medical School
- **Daniel Burkhoff, MD, PhD**  
Cardiovascular Research Foundation
- **Lorraine Carroll, MSN, RN, CCRN**  
UCSF School of Medicine
- **Jennifer Castro, AGACNP-BC, DNP**  
Northwell Health
- **Neal Chaisson, MD**  
Cleveland Clinic
- **Santpal (Paul) Chawla, PA**  
Northwell Health
- **Cherylee W. Chang, MD**  
Duke University School of Medicine
- **Sarah Chuzi, MD**  
Northwestern University Feinberg School of Medicine
- **André Dippenaar, MD**  
Netcare Kuils River Hospital, South Africa
- **David M. Dudzinski, MD**  
Harvard Medical School
- **Andrea Elliott, MD**  
University of Minnesota Medical School
- **Jessica Fleitman, MD**  
Penn Medicine
- **Christopher Fordyce, MD, MHS, MSc**  
University of British Columbia
- **Bram Geller, MD**  
Maine Health
- **Amit Goyal, MD, MAS**  
Cleveland Clinic
- **Alejandra Gutierrez, MD**  
University of Minnesota Medical School
- **Sylvie Hall, PharmD**  
Bellevue Hospital
- **Barinder S. 'Ricky' Hansra, MD**  
UPMC
- **Joseph Hawkins, MPAS**  
NYC Health + Hospitals/ Bellevue
- **Andrew Higgins, MD**  
Cleveland Clinic
- **Steven M. Hollenberg, MD**  
Emory University School of Medicine
- **Manreet K. Kanwar, MD**  
Cardiovascular Institute at Allegheny Health Network
- **Navin K. Kapur, MD**  
Tufts University School of Medicine
- **Yoav Karpenshif, MD**  
Penn Medicine
- **Benjamin Kenigsberg, MD**  
Medstar Washington Hospital Center
- **Anuradha Lala-Trindade, MD**  
Mount Sinai School of Medicine
- **Michael Landzberg, MD**  
Harvard Medical School
- **Sandra J. Lewis, MD, FACC**  
Oregon Health & Science University, Legacy Emanuel Medical Center
- **Lindsay Lief, MD**  
Weill-Cornell Medicine
- **Adriana Luk, MD**  
Toronto General Hospital
- **Venu Menon, MD**  
Cleveland Clinic
- **Thomas S. Metkus MD, PhD**  
Johns Hopkins University School of Medicine
- **P. Elliott Miller, MD, MHS**  
Yale School of Medicine
- **Eduardo Mireles-Cabodevila, MD**  
Cleveland Clinic
- **David A. Morrow, MD, MPH**  
Harvard Medical School
- **Connor G. O'Brien, MD**  
University of California, San Francisco
- **Nazli Okumus, MD**  
Allegheny Health Network
- **Alexander Papolos, MD**  
Medstar Washington Hospital Center
- **Susanna Price, MD, PhD**  
Royal Brompton Hospital
- **Alastair Proudfoot, MD**  
Barts Health NHS Trust
- **Penelope Rampersad, MD, MSc**  
Cleveland Clinic
- **Robert Roswell, MD**  
Northwell Health
- **Lekshmi Santhosh, MD, MAEd**  
UCSF School of Medicine
- **Balim Senman, MD**  
Duke University School of Medicine
- **Mourad Senussi, MD**  
Baylor College of Medicine
- **Candice Silversides, MD**  
University of Toronto
- **Daniel B. Sims, MD**  
Montefiore/Albert Einstein College of Medicine
- **Shashank Sinha, MD, MSc**  
Inova Health
- **Alessandro Sionis, MD**  
Universitat Autònoma de Barcelona
- **Jenna Skowronski, MD**  
UPMC
- **Michael A. Solomon, MD, MBA**  
National Heart, Lung and Blood Institute
- **Jonathan St. George, MD**  
Weill-Cornell Medicine
- **Melanie Sulistio, MD**  
UT Southwestern
- **Guido Tavazzi, MD, PhD**  
University of Pavia, Pavia, Italy
- **Callie Tennyson, DNP, ACNP-BC**  
Duke University School of Medicine
- **Rosy Thachil, MD**  
NYC Health + Hospitals/ Elmhurst
- **Lorrel E. Toft, MD**  
University of Nevada-Reno School of Medicine
- **Polina Trachuk, MD**  
Orlando Health
- **Anezi Uzendu, MD**  
Mid America Heart Institute
- **Saraschandra Vallabhajosyula, MD, MSc**  
Wake Forest School of Medicine
- **Kendall van Diepen, RD, MSc**  
Alberta Health Services, Canada
- **Sean van Diepen, MD, MSc**  
University of Alberta, Canada
- **Frances 'Mae' West, MD**  
Thomas Jefferson University
- **Bambang Widiantoro, MD, PhD**  
Universitas Indonesia - National Cardiovascular Center Harapan Kita
- **Yew Woon Chia, MBBS, EDIC**  
Tan Tock Seng Hospital, Singapore
- **Jeong Hoon Yang, MD, PhD**  
Samsung Medical Center, Sungkyunkwan University School of Medicine
- **Seife Yohannes, MD**  
MedStar Health

## AGENDA (all times in EDT)

### FRIDAY, OCTOBER 20, 2023

7:30am **Registration and Continental Breakfast**

8:00 **Course Director Opening Remarks**  
Carlos L. Alviar, MD, Ann Gage, MD, MS, James Horowitz, MD

#### SESSION 1: COMPLEX CONSIDERATIONS IN THE EVALUATION AND MANAGEMENT OF CARIOGENIC SHOCK: THE STATE OF THE ART AND SCIENCE IN 2023

**Moderators:** David A. Morrow, MD, MPH and Susanna Price, MD, PhD

8:15 **Matching Drugs to the Hemodynamics**

Jason N. Katz, MD, MHS  
**Case Presenter:** Neyra Jemal, MD

8:27 **Matching Devices to the Hemodynamics**

Erin Bohula May, MD, DPhil  
**Case Presenter:** Neyra Jemal, MD

8:39 **Weaning and De-escalation of MCS**

Bram Geller, MD  
**Case Presenter:** Neyra Jemal, MD

8:50 **Panel: Matching the Right Therapy to the Right Patient at the Right Time**

**Moderators:** David A. Morrow, MD, MPH and Susanna Price, MD, PhD  
**Panelists:** Erin Bohula May, MD, DPhil, Bram Geller, MD, Jason N. Katz, MD, MHS, Anuradha Lala-Trindade, MD, Robert Roswell, MD

9:10 **Do You See What I See? Perspectives in Cardiogenic Shock**

**Moderators:** Venu Menon, MD and Balim Senman, MD  
**Panelists:** Nader Moazami, MD, Alex Papolos, MD, Penelope Rampersad, MD, MSc, Shashank Sinha, MD, MSc, Saraschandra Vallabhajosyula, MD, MSc, Sean van Diepen, MD, MSc

9:45 **Morning Break**

10:12 **ACC State Chapter Acknowledgements**  
Christopher Barnett, MD, MPH

#### SESSION 2: SCARY CASES IN THE CICU: SOMEONE CALL THE DOCTOR!

**Moderators:** Christopher Barnett, MD, MPH and Alejandra Gutierrez, MD

10:15 **Pulmonary Embolism and Acute RV Failure**

Michael A. Solomon, MD, MBA  
**Case Presenter:** James Horowitz, MD

10:29 **Adult Congenital Heart Disease in the CICU**

Dan G. Halpern, MD  
**Case Presenter:** Laura Methvin, MD

10:43 **Two for the Price of One, Pregnancy in the ICU**

Kathryn Berlacher, MD  
**Case Presenter:** Anais Hausvater, MD

10:57 **The Patient with Obstructive HCM in the CICU**

Daniele Massera, MD, MSc  
**Case Presenter:** Stephanie Golob, MD

11:11 **Post Cardiectomy Emergencies**

Benjamin Kenigsberg, MD  
**Case Presenter:** P. Elliott Miller, MD, MHS

11:25 **Panel Question and Answer Session**

**Moderators:** Christopher Barnett, MD, MPH and Alejandra Gutierrez, MD  
**Panelists:** Kathryn Berlacher, MD, Dan G. Halpern, MD, Benjamin Kenigsberg, MD, Daniele Massera, MD, MSc, Michael A. Solomon, MD, MBA

### LUNCH BREAK

11:45 **Fellows In Training (FIT) Mentoring Session**  
(optional, during lunch; please pre-register)

#### KEYNOTE ADDRESS

**Moderator:** Glenn I. Fishman, MD

12:45pm **Braving the Next Frontier: Research Priorities in Critical Care Cardiology**

David A. Morrow, MD, MPH

#### SESSION 3: CICU SURVIVAL GUIDE: KEY CONCEPTS YOU SHOULD KNOW

**Moderators:** Alessandro Sionis, MD and Melanie Sulistio, MD

1:05 **Rapid Fire Shock Evaluation: Invasive and Non-invasive Assessment of Congestion and Perfusion**

Carlos L. Alviar, MD, Courtney Bennett, DO

1:20 **Top Articles Every CICU Clinician Should Know**

Ann Gage, MD, MS, Connor G. O'Brien, MD, Guido Tavazzi, MD, PhD

1:35 **Bleeding Red, Clotting White: Swiftly Addressing CICU Hemostasis**

Tania Ahuja, PharmD

1:47 **Neurointensive Care Pearls**

Cherylee W. Chang, MD

1:59 **Infections You Can't Miss in the CICU!**

Polina Trachuk, MD

2:11 **POCUS: The Skills that will Save You!**

Eugene Yuriditsky, MD

2:23 **Panel Question and Answer Session**

**Moderators:** Alessandro Sionis, MD and Melanie Sulistio, MD

**Panelists:** Tania Ahuja, PharmD, Carlos L. Alviar, MD, Courtney Bennett, DO, Cherylee W. Chang, MD, Ann Gage, MD, MS, Navin K. Kapur, MD, Connor G. O'Brien, MD, Guido Tavazzi, MD, PhD, Polina Trachuk, MD, Eugene Yuriditsky, MD

2:35 **End of Life in the CICU**

**Moderator:** Sarah Chuzy, MD  
**Panelists:** Jordi Bañeras, MD, Susan E. Cohen, MD, Karsten W. Drus, RN, James Horowitz, MD, Michael Landzberg, MD, Melanie Sulistio, MD

3:00 **Afternoon Break**

#### SESSION 4: DEBATES

3:30 **Debating Complex Decision Making in the Cardiac Critical Care Unit**

#### THE HOLY GRAIL OF CARDIAC CRITICAL CARE: WILL THERE BE ANOTHER POSITIVE TRIAL IN CARDIOGENIC SHOCK?

**Moderator:** Judith S. Hochman, MD

3:30 **Positive Trials are Coming**

Susanna Price, MD, PhD

3:45 **The Era of Positive Trials is Over**

Daniel Burkhoff, MD, PhD

#### EXTRACORPOREAL LIFE SUPPORT

**Moderator:** Steven M. Hollenberg, MD

4:00 **ECLS is Lifesaving**

Andrea Elliott, MD

4:15 **ECLS is Resource Wasting**

Sean van Diepen, MD, MSc

## SESSION 4 ROUND TABLE

**Moderator:** Venu Menon, MD

- 4:30 **Post-MI Complication Management**  
**Panelists:** Erin Bohula May, MD, DPhil, Andrew Higgins, MD, Steven M. Hollenberg, MD, Shaline D. Rao, MD, Sunil Rao, MD, Deane E. Smith, MD

## PLENARY ADDRESS

**Moderator:** Venu Menon, MD

- 5:00 **My Journey as a Clinical Trialist**  
Judith S. Hochman, MD
- 5:20 **Closing Remarks**  
Samuel Bernard, MD, Jason N. Katz, MD, MHS, Eugene Yuriditsky, MD
- 5:30pm **Adjourn**

## SATURDAY, OCTOBER 21, 2023

- 7:30am **Continental Breakfast**
- 7:55 **Course Director Welcome Day #2**  
Carlos L. Alviar, MD, James Horowitz, MD

## SESSION 5: CREATING A PROACTIVE BLUEPRINT FOR DIVERSITY AND INCLUSION IN CRITICAL CARE CARDIOLOGY

- 8:00 **Creating a Proactive Blueprint for Diversity and Inclusion in CCC**  
Sandra J. Lewis, MD, FACC
- 8:30 **Panel Discussion and Question and Answer Session**  
**Moderator:** Andrea Elliott, MD  
**Panelists:** Carlos L. Alviar, MD, Alexandra Arias, MD, Barinder S. 'Ricky' Hansra, MD, Sandra J. Lewis, MD, FACC, Penelope Rampersad, MD, MSc, Balim Senman, MD, Lorrel E. Toft, MD

## BREAKOUT SESSION 1 (SELECT 1)

- 9:15 **Track 1: Career and Research**  
**How I became a Critical Care Cardiologist and How you can too!**  
**Moderators:** Ann Gage, MD and James Horowitz, MD  
**Panelists:** Willard N. Applefeld, MD, Christopher Barnett, MD, MPH, David M. Dudzinski, MD, Andrea Elliott, MD, Ran Lee, MD, Alessandro Sionis, MD
- Track 2: Interdisciplinary Care Team**  
**How to Succeed as an APP: Education and Professional Development**  
**Moderators:** Darren Kang, PA-C and Tanjit Kaur, PA-C  
**Panelists:** Santpal (Paul) Chawla, PA, John Davidson, MBA, PA-C, Hannah Schimmer, MSN, AGACNP-BC, Callie Tennyson, DNP, ACNP-BC
- Track 3: Clinical**  
**Things that Keep me Awake at Night: Complex Decision-Making in the CICU**  
**Moderators:** Samuel Bernard, MD and Penelope Rampersad, MD, MSc  
**Case Presenter:** James W. Ciancarelli, DO  
**Panelists:** Courtney Bennett, DO, Thomas S. Metkus, MD, PhD, Connor G. O'Brien, MD, Daniel B. Sims, MD, Rosy Thachil, MD
- Track 4: Virtual**  
**Globalizing Cardiac Critical Care: Challenges and Opportunities**  
**Moderators:** Alexandra Arias, MD and Alastair Proudfoot, MD, PhD  
**Panelists:** Carlos L. Alviar, MD, Diego Araiza-Garaygordobil, MD, MSc, Yew Woon Chia, MBBS, EDIC, André Dippenaar, MD, Adriana Luk, MD, Guido Tavazzi, MD, PhD, Bambang Widiantoro, MD, PhD, Jeong Hoon Yang, MD, PhD, Seife Yohannes, MD

## BREAKOUT SESSION 2 (SELECT 1)

- 10:30 **Track 1: Career and Research**  
**The Future of Critical Care Cardiology Research**  
**Moderators:** Erin Bohula May, MD, DPhil and Christopher Fordyce, MD, MHS, MSc  
**Panelists:** David D. Berg, MD, MPH, Judith S. Hochman, MD, Manreet K. Kanwar, MD, Navin K. Kapur, MD, Candice Silversides, MD, Shashank Sinha, MD, MSc, Sean van Diepen, MD, MSc
- Track 2: Interdisciplinary Care Team**  
**A Day in the Life: Grappling with Tough Situations in the CICU**  
**Moderators:** Maureen G. Lohan-Mullens, MSN, RN, NM and Hannah Schimmer, MSN, AGACNP-BC  
**Panelists:** Lorraine Carroll, MSN, RN, CCRN, Jennifer Castro, AGACNP-BC, DNP, Karsten W. Drus, RN, Joseph Hawkins, MPAS
- Track 3: Clinical**  
**Multidisciplinary Team Care of the CICU patient: A Case Based Master Class**  
**Moderators:** Alejandra Gutierrez, MD, and P. Elliott Miller, MD, MHS  
**Case Presenter:** Balim Senman, MD  
**Panelists:** Jessica Fleitman, MD, Sylvie Hall, PharmD, Barinder S. 'Ricky' Hansra, MD, Laura Methvin, MD, Thomas S. Metkus, MD, PhD, Alessandro Sionis, MD, Kendall van Diepen, RD, MSc
- Track 4: Virtual**  
**Leveraging the Virtual Domain in CCC: Approaches to Education, Community Building and Advocacy**  
**Moderators:** Amit Goyal, MD, MAS, Nazli Okumus, MD and Jenna Skowronski, MD  
**Panelists:** Catherine Allan, MD, Yoav Karpenshif, MD, Lekshmi Santhosh, MD, MAEd, Mourad Senussi, MD, Anezi Uzendu, MD
- 11:30 **NYU Langone Critical Care Cardiology Symposium and CardioNerds Poster Session and Lunch (Non-accredited)**
- 1:00 **Didactic Conference Adjourns**
- 1:20 **Simulation Sessions Check-in**
- SIMULATION SESSIONS: OPTIONAL REGISTRATION; LIMITED AVAILABILITY**  
**Moderators:** Anthony Andriotis, MD, Jordi Bañeras, MD, Benjamin A. Bier, MD, Neal Chaisson, MD, James W. Ciancarelli, DO, Molly Forster, MD, Allison A. Greco, MD, Kerry Hena, MD, Neyra Jemal, MD, Elyse LaFond, MD, Lindsay Lief, MD, Eduardo Mireles-Cabodevila, MD, Connor G. O'Brien, MD, Raymond A. Pashun, MD, Deepak R. Pradhan, MD, Harald Sauthoff, MD, Alessandro Sionis, MD, Jonathan St. George, MD, Tatiana B. Weinstein, MD and Frances "Mae" West, MD
- 1:30 **Simulated Cases in Critical Care Cardiology: Hemodynamics/Pulmonary Artery Catheter Simulation Mechanical Circulatory Support Station**
- 3:00 **Break**
- 3:15 **Procedural Simulation Hands-On Stations: Lung Ultrasound, Extended Focused Assessment with Sonography in Trauma (eFAST), Transvenous Pacemaker and Pericardiocentesis**
- 4:45 **Advanced Airway Skills: Intubation, Bronchoscopy, Suction Assisted Laryngoscopic Airway Decontamination (SALAD) and Ventilator Troubleshooting**
- 5:30pm **Adjourn SIM Sessions**