



SCAI SHOCK:

A Team-Based Course on
Cardiogenic Shock

October 12–13

Boston, Massachusetts



The Society for Cardiovascular
Angiography and Interventions



HFSA

HEART FAILURE SOCIETY OF AMERICA

Officially endorsed by the Heart Failure Society of America. The opinions presented in this educational activity do not necessarily reflect the opinions or recommendations of the HFSA



Agenda at a Glance

All sessions take place in room Avenue 34, unless otherwise indicated.

Friday, October 12

7:00–8:00 p.m. General Session

Saturday, October 13

7:00–8:00 a.m. Breakfast Symposium

8:00–11:10 a.m. General Session

11:10 a.m.–12:30 p.m. Lunch Symposium

12:30–2:00 p.m. Breakout 1: **Simulation -or- Cath Lab Management**
Note: The Simulation breakout is in the Statler Room

2:10–3:35 p.m. Breakout 2: **Simulation -or- Coronary Care Unit (CCU) Management**
Note: The Simulation breakout is in the Statler Room

3:45–5:00 p.m. General Session

Acknowledgment of Commercial Support

This activity is supported through unrestricted educational grants from Abiomed, Getinge and LivaNova. In-kind support has been received from Abiomed, Getinge, LivaNova and Teleflex.

Learning Objectives

Upon completion of this activity, participants will be able to:

- Describe the natural history of cardiogenic shock, including etiologies and the pre-shock state, and the importance of early intervention.
- Evaluate the strengths and limitations of non-invasive and invasive testing, hemodynamic evaluation, and available pharmacologic and circulatory support devices.
- Use cardiac support devices, incorporating the SCAI Consensus Document on Mechanical Support Devices.
- Discuss operator training, credentialing, and device troubleshooting.

Accreditation Statement

The Society for Cardiovascular Angiography and Interventions (SCAI) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit Designation

The Society for Cardiovascular Angiography and Interventions (SCAI) designates this live activity for a maximum of 8.5 *AMA PRA Category 1 Credits™*.

Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurses: Nurses will receive a certificate of participation upon completion of the evaluation. This activity is designated for 8.5 *AMA PRA Category 1 Credits™*.

Technologists: Technologists will receive a certificate of participation upon completion of the evaluation. This activity is designated for 8.5 *AMA PRA Category 1 Credits™*.

How to Get Credit

SCAI will email the evaluation to confirmed attendees after the session. To be counted as a confirmed attendee, ensure you've picked up your badge at registration. CME certificates and participation certificates will be sent immediately upon completion of the evaluation. Contact cme@scai.org with questions.

All sessions take place in room Avenue 34, unless otherwise indicated.

Friday, October 12: General Session 1

7:00–8:00 p.m.	Discussion of Current Societal Initiatives and Review of Top Three Submitted Algorithms for Shock Teams and Shock Care	<i>Chairs: Srihari Naidu, MD, FSCAI and Manos Brilakis, MD, PhD, FSCAI</i>
	Welcome From Chairs	
	SCAI Shock Initiatives	
	Cases and Cardiogenic Shock Treatment Algorithms	
	Henry Ford Hospital, <i>Iyad Isseh, MD</i>	
	University of Ottawa Heart Institute, <i>Derek So, MD</i>	
	Santa Rosa Memorial Hospital, St Joseph Health, <i>Jaya Malladi, MD, MHS</i>	
	Panel discussion	

Saturday, October 13: General Session 2

6:45 a.m.	Registration Opens	
6:45–8:00 a.m.	Breakfast Symposium: Antiplatelet Considerations in Cardiogenic Shock: A Case-Based Review	
8:00–9:27 a.m.	Welcome and Introductions	<i>Srihari S. Naidu, MD, FSCAI and Emmanouil Brilakis, MD, PhD, FSCAI</i>
	Identification of Pre-Shock and Shock Hemodynamics of Cardiac Assist Devices	<i>Navin Kapur, MD, FSCAI</i>
	IABP, Impella, TandemHeart, and ECMO: Compare and Contrast	<i>Daniel Burkhoff, MD, PhD</i>
	Case #1: I Was Too Late With Device Placement	<i>Raj Patel, MD, FSCAI</i>
	Moderated Discussion: Barriers to Device Support	<i>Chadi Alraies, MD, MPH</i>
	Identification of RV Involvement in Shock	<i>Srihari S. Naidu, MD, FSCAI</i>
	Escalation of Support: Timing and Device Choice	<i>William O’Neill, MD, MSCAI</i>
9:27–9:37 a.m.	Break	<i>Khaldoon Alaswad, MD, FSCAI</i>

Saturday, October 13: General Session 2 (continued)

9:37–11:10 a.m.	The Case for Multivessel Revascularization in Shock	<i>Emmanouil Brilakis, MD, PhD, FSCAI</i>
	How Long to Support Shock? Tips and Tricks to Device Weaning	<i>William O’Neill, MD, MSCAI</i>
	Enough Is Enough: Upgrading to Surgical VADs	<i>Masashi Kai, MD</i>
	Case #2: Revascularization With Support Saved This Patient	<i>Sahil Khera, MD</i>
	Current Status of Pharmacologic Therapies in Shock	<i>James McCabe, MD, FSCAI</i>
	Future Directions in Shock Management	<i>Navin Kapur, MD, FSCAI</i>
	Moderated Panel Discussion: Devices, Drugs, and Data	<i>Srihari S. Naidu, MD, FSCAI and Emmanouil Brilakis, MD, PhD, FSCAI</i>
11:10 a.m.– 12:30 p.m.	Lunch Symposium: New Treatment Strategies for Cardiogenic Shock	

Breakout Session 1

12:30–2:00 p.m.	Simulation Session Room: Statler	-Or-
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Cath Lab Management

Panelists: Chelsea Arnold, RN, BSN and Jonas Cabrera, RCIS

12:30–2:00 p.m.	Immediate Management of Shock in the Cath Lab: Stabilizing Arrhythmias and Hemodynamics	<i>Srihari S. Naidu, MD, FSCAI</i>
	Mechanical VAD Overview	<i>Masashi Kai, MD</i>
	Surgical VADs	<i>Masashi Kai, MD</i>
	Setting Up for Impella, TandemHeart, and ECMO	<i>Raj Patel, MD, FSCAI</i>
	Device Troubleshooting: IABP, Impella, TandemHeart, and ECMO	<i>Khaldoon Alaswad, MD, FSCAI</i>
	Large Bore Access and Closure Techniques	<i>Khaldoon Alaswad, MD, FSCAI</i>

2:00–2:10 p.m. Break

Breakout Session 2

2:10–3:35 p.m. Simulation Session
Room: Statler

-or-

Coronary Care Unit (CCU) Management

2:10–3:35 p.m.	The RHC Is Vital! Tips and Tricks	<i>TBD</i>
	The Alarms Keep Going Off: Tips and Tricks	<i>Chadi Alraies, MD, FSCAI</i>
	Management of Bleeding and Hemolysis	<i>Mauricio Cohen, MD, FSCAI</i>
	Current Algorithms in Pharmacologic Management	<i>James McCabe, MD, FSCAI</i>
	The Optimal Team for 24/7 CCU Shock Management	<i>Emmanouil Brilakis, MD, PhD, FSCAI</i>
	Flows Are Low: What's Wrong?	<i>Khaldoon Alaswad, MD, FSCAI</i>

General Session 3

3:45–5:00 p.m.	Debate/Pro: We Need to Place Devices Earlier in Shock	<i>Navin Kapur, MD, FSCAI</i>
	Debate/Con: No, We Just Need to Understand the RHC and Drips Better	<i>James McCabe, MD, FSCAI</i>
	Pro—Rebuttal	<i>Navin Kapur, MD, FSCAI</i>
	Con—Rebuttal	<i>James McCabe, MD, FSCAI</i>
	Treatment of Shock in the Era of Public Reporting	<i>Mauricio Cohen, MD, FSCAI</i>
	Long-Term Management: Preventing Progression and Arrhythmias	<i>Daniel Burkhoff, MD, PhD</i>
	Moderated Audience Question and Answer Session	<i>Srihari S. Naidu, MD, FSCAI and Emmanouil Brilakis, MD, PhD, FSCAI</i>
5:00 p.m.	Adjourn	

Faculty

Name

Emmanouil S. Brilakis, MD, PhD, FSCAI

Srihari S. Naidu, MD, FSCAI

Khaldoon Alaswad, MD, FSCAI

M. Chadi Alraies, MD, MPH

Chelsea Arnold, RN, BSN

Daniel Burkhoff, MD, PhD

Jonas Cabrera, RCIS

Mauricio Cohen, MD, FSCAI

Iyad Isseh, MD

Masashi Kai, MD

Navin Kapur, MD, FSCAI

Sahil Khera, MD

Jaya Mallidi, MD, MPH

James McCabe, MD, FSCAI

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Relevant Financial Relationships

Advisory Board/Board Member: Abbott Vascular, Amgen, CSI, GE Healthcare; Principal Investigator: Boston Scientific, Osprey; Speakers Bureau: Abbott Vascular, Asahi, Medtronic; Consultant: Abbott Vascular, Amgen, CSI, GE Healthcare.

Advisory Board/Board Member: Abbott Vascular, Myokardia, Medtronic.

Nothing to disclose.

Nothing to disclose.

Nothing to disclose.

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Nothing to disclose.

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Nothing to disclose.

Nothing to disclose.

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Advisory Board/Board Member: Boston Scientific, GE Healthcare, Cardiovascular Solutions, Inc., Abiomed; Consultant: Edwards, Abiomed.

Consultant: BSCI, MDT, Abiomed, Edwards.

Advisory Board/Board Member: Abiomed; Honoraria: Abiomed.

Advisory Board/Board: Astra Zeneca, Bayer; Grants/PI: Spartan Biosciences, Roche Diagnostics, Eli Lilly Canada, AggreDyne Inc.; Honoraria: Astra Zeneca

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Rebecca Murphy, CMP, CEM. Nothing to disclose.

Laura Daigle Porter, CMP. Nothing to disclose.

SCAI's Independent Content

As a provider of continuing medical education through the Accreditation Council for Continuing Medical Education (ACCME), it is the Society's policy to ensure balance, independence, objectivity, and scientific rigor in all its activities. All participating faculty, course directors, planning committee members and staff are required to disclose to SCAI any relevant financial relationships. SCAI identifies relevant conflicts of interest and resolves them before the activity begins.

Planning Process

SCAI-sponsored satellites are developed by the SCAI Education Committee prior to and independent of commercial support. Members of the Education Committee reviewed and approved this activity, and those with relevant conflicts of interest recused themselves. Members of SCAI's Continuing Medical Education Oversight Committee, clinicians in the field of cardiac catheterization and angiography, reviewed all educational materials and verified that the materials are fair, accurate, and free of commercial bias.



2019 Scientific Sessions

LAS VEGAS, NV MAY 19-22

**Registration and hotel reservations open
in mid-October. Visit SCAI.org/SCAI2019.**