



Yale School of Medicine  
*Department of Anesthesiology*

Point-of-Care Ultrasound Workshop (POCUS)  
&  
Peri-Operative Management of  
Mechanical Circulatory Support (MCS) Devices

Saturday, April 25, 2026

Jane Ellen Hope Memorial Building  
New Haven, CT

HOSTED BY

Yale School of Medicine  
Department of Anesthesiology

EVENTS

8am - 12pm: Focused on POCUS  
12pm - 1pm: Lunch  
1pm - 5pm: Dedicated to Peri-Operative MCS



# PROGRAM DIRECTORS



**Nikhil Chawla, MBBS**

Director of Quality & Safety, SICU  
Assistant Professor of Anesthesiology  
Yale School of Medicine



**Jose Chavez Duarte, MD**

Assistant Professor of Anesthesiology  
Yale School of Medicine

## WORKSHOP SPEAKERS

### FACULTY

**Astha Chichra, MBBS**

Associate Professor, Pulmonary  
Critical Care and Sleep Medicine  
Yale School of Medicine

**Andres De Lima Arboleda, MD**

Assistant Professor of Anesthesiology  
Yale School of Medicine

**John Guzzi, MD**

Assistant Professor of Anesthesiology  
Yale School of Medicine

**Aditi Kapil, MD**

Assistant Professor of Surgery  
Yale School of Medicine

**David Kiamanesh, MD**

Assistant Professor of Anesthesiology  
Yale School of Medicine

**Jonathan Molina Cifuentes, MD**

Assistant Professor of Anesthesiology  
Yale School of Medicine

**Mario Montealegre Gallegos, MD**

Cardiac Anesthesiologist and Intensivist  
Assistant Professor of Anesthesiology  
Yale School of Medicine

**Ronny Munoz-Acuna, MD**

Assistant Professor of Anesthesiology  
Yale School of Medicine

**Andrew Notarianni, MD**

Assistant Professor of Anesthesiology  
Yale School of Medicine

**Zachary Sesonsky, MD**

Assistant Professor of Anesthesiology  
Yale School of Medicine

# Peri-Operative Point of Care Ultrasound Workshop

## Session Objectives

1. Understand the utility of POCUS in peri-operative medicine.
2. Learn the basics of US physics and image acquisition using hands on training and didactics.
3. Analysis and application of POCUS with case-based vignettes and PBLD.
4. Application of workshop to change clinical practice.

STATION	CONTENT	FACULTY
Basic TTE Views	1. Four Views: Parasternal long, Parasternal short, Apical 4 chamber and Subcostal with IVC	David Kiamanesh, MD Jose Duarte Chavez, MD
Lung Ultrasound	1. Zonal Scanning 2. Identifying Normal Anatomy: Pleural sliding, pleural line, rib shadows and A-lines	Astha Chichra, MBBS
VEXUS	1. Identify Components of VEXUS Scan 2. Hepatic and portal vein scanning and waveform analysis	Ronny Munoz-Acuna, MD
LV Function Assessment	1. LV systolic function assessment 2. Cardiac output assessment with TTE	Andrew Notarianni, MD Jonathan Molina Cifuentes, MD
Volume Assessment	1. Volume status assessment with IVC respiro-phasic variation 2. VTI changes with PLR	John Guzzi, MD
Abdominal US	1. Gastric content assessment in supine and right decubitus position 2. FAST Exam	Mario Montealegre, MD Aditi Kapil, MD
Case Vignette #1	1. Case based discussions on the utility of US in clinical practice	Andres de Lima Arboleda, MD
Case Vignette #2	1. Case based discussions on the utility of US in clinical practice	

# Peri-Operative Management of Mechanical Circulatory Support Devices

## Session Overview

This session will be an interactive, case-based learning experience with hands-on practice in key aspects of mechanical circulatory support management in the perioperative space. Each device station will include a faculty moderator, a working device, and a device representative.

## Peri-Operative Point of Care Ultrasound Workshop

### Schedule

**7:30am - 7:45am**

**Welcome Breakfast**

*Nikhil Chawla, MBBS  
Jose Chavez Duarte, MD*

**7:45am - 8:00am**

**Introduction to POCUS**

*Nikhil Chawla, MBBS*

**8:00am - 12:00pm**

**Hands On Stations**

*David Kiamanesh, MD,  
Astha Chichra, MBBS  
Jose Duarte Chavez, MD  
Ronny Munoz-Acuna, MD  
Andrew Notarianni, MD  
Jonathan Molina Cifuentes, MD  
John Guzzi, MD  
Mario Montealegre, MD  
Aditi Kapil, MD*

**12:00pm - 12:15pm**

**Post Test & Wrap-Up**

*Nikhil Chawla, MBBS*

**12:15pm - 1:00pm**

**Lunch**

# Peri-Operative Management of Mechanical Circulatory Support Devices

## Schedule

**1:00pm - 1:40pm**

**Impella**

*Mario Montealegre Gallegos, MD*

**1:45pm - 2:25pm**

**Heartmate 3 (LVAD)**

*Andrew Notarianni, MD*

*Zachary Sesonky, MD*

**2:30pm - 3:10pm**

**Veno-Venous ECMO**

*Hesham Ezz, MD*

*Tosanath Leepuengtham, MD*

**3:15pm - 3:55pm**

**Veno-Arterial ECMO**

*Zachary Sesonky, MD*

*Andres de Lima Arboleda, MD*

*Jonathan Molina Cifuentes, MD*

**4:00pm - 4:15pm**

**Q&A / Wrap-up**

## Registration Information

**PLEASE NOTE: This informational panel is not a registration form. You must register online.**

# Yale Anesthesiology Perioperative Point of Care Ultrasound and Mechanical Circulatory Support Devices Workshop

Saturday, April 25, 2026

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## REGISTRATION INSTRUCTIONS:

Please scan the image at right (QR Code) with your Smartphone or Tablet to be directed to the conference homepage and proceed.



## REGISTRATION FEES:

Registration fee\* includes all conference materials, continental breakfast, refreshment breaks, and lunch.

Workshop Fee: \$250 (both sessions), \$150 (one session)

All cancellations must be received in writing (or via e-mail) at least one week prior to the start of the conference to receive a refund. Any requests for refunds received after this date, or by telephone, will not be honored.

If you have any questions, please contact Lynn Bouffard at [Lynn.Bouffard@yale.edu](mailto:Lynn.Bouffard@yale.edu).

# Details

## ACCREDITATION STATEMENT

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

## DESIGNATION STATEMENT

The Yale School of Medicine designates this live activity for a maximum of 6 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## FINANCIAL SUPPORT

The Yale School of Medicine, Department of Anesthesiology is grateful to its supporters. They are acknowledged in all conference materials.

## DISCLOSURE POLICY

It is the policy of Yale School of Medicine, Continuing Medical Education (CME), to ensure balance, independence, objectivity, and scientific rigor in all its educational programs. All individuals involved in the development and presentation of Accredited Continuing Education activities are required to disclose all financial relationship(s) with ineligible companies (those whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients) that has occurred within the past 24 months; and the opportunity to affect the content of CME about the products or services of the commercial interests. This information is disclosed to all activity participants prior to the commencement of the educational activity.

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## VENUE

The Jane Ellen Hope Memorial Building is located at 315 Cedar Street in New Haven, CT.

## PARKING INFORMATION

Complimentary parking is available on-site.