

INTERNATIONAL MEDICAL CONFERENCE

POINT-OF-CARE ULTRASOUND (POCUS) WORKSHOP

LOCATION

MELLAIN HOTEL TUZLA
STR. ALEJA ALIJE IZETBEGOVIĆA 3,
75000 TUZLA, BOSNIA & HERZEGOVINA

DATE

MAY 15-16, 2025 (THURSDAY & FRIDAY)

A close-up photograph of a person's hands wearing blue nitrile gloves, operating an ultrasound machine. The person is wearing a black watch on their left wrist. The machine's control panel with various buttons and a probe is visible. The background is a soft, out-of-focus clinical setting.

PRELIMINARY PROGRAM

Course Directors: Jason Panchamia MD, Gary Vasdev MD, Ivan Velickovic MD, Jasmina Smajic MD

Mayo Clinic Presenters: Jason Panchamia MD, Jeremy Grate MD, Gary Vasdev MD, Juan Ripoll Sanz MD, Matthew Vogt MD, Krishnan Ramanujan MD, Amrit Vasdev MD, James Chen MD

Day 1: POCUS Applications – May 15, 2025

Morning Session: Additional POCUS Applications

08:30–09:00 | Registration & Welcome Coffee

09:00–11:00 | 20-Minute Lecture Series

Lecture 1: Lung Ultrasound

- Techniques and interpretation for pulmonary pathology
- Presenter: Juan Ripoll Sanz M.D. - Assistant Professor of Anesthesiology, Mayo Clinic, Rochester, MN, USA

Lecture 2: Gastric Ultrasound

- Assessing gastric content and implications for anesthesia
- Presenter: Matthew Vogt M.D. - Assistant Professor of Anesthesiology, Mayo Clinic, Rochester, MN, USA

Lecture 3: Airway Ultrasound (Cricothyroid Membrane Identification)

- Ultrasound-guided techniques for airway management
- Presenter: Jason Panchamia M.D. - Assistant Professor of Anesthesiology, Mayo Clinic, Rochester, MN, USA

11:20–12:20 | Lunch Break

Afternoon Session: Hands-On POCUS Workshop for Lung, Gastric, and Airway

12:30–14:30 | Hands-On Workshop

- Practical training in lung, gastric, and airway ultrasound techniques
- Instructors: Jason Panchamia M.D., Juan Ripoll Sanz M.D., Jeremy Grate M.D., Gary Vasdev M.D., Amrit Vasdev M.D.

Day 2: Educational Sessions – May 16, 2025

Morning Session: Cardiac Point-of-Care Cardiac Ultrasound

08:30–08:40 | Opening Remarks

- Welcome Address by Course Directors: Jason Panchamia M.D. and Jasmina Smajic M.D.

08:40–10:20 | 20-Minute Lecture Series

Lecture 1: *Basic Cardiac Exam*

- Overview of transthoracic echocardiography (TTE) for clinical assessment
- Presenter: Juan Ripoll Sanz M.D. - Assistant Professor of Anesthesiology, Mayo Clinic, Rochester, MN, USA

Lecture 2: *Left Ventricular Function: Estimation of Cardiac Output with Echocardiography*

- Techniques for evaluating LV function and quantifying cardiac output
- Presenter: Krishnan Ramanujan M.D. - Assistant Professor of Anesthesiology, Mayo Clinic, Rochester, MN, USA

Lecture 3: *Right Ventricular Function: TAPSE and RVSP Calculation*

- Assessing right heart parameters with echocardiography
- Presenter: Jeremy Grate M.D. - Assistant Professor of Anesthesiology, Mayo Clinic, Rochester, MN, USA

Lecture 4: *Advanced Imaging: 3-Chamber LV, 2-Chamber LV, and PSAX AV (RVOT Visualization)*

- Comprehensive approaches to advanced cardiac assessments including CO calculation and RVOT evaluation
- Presenter: Juan Ripoll Sanz M.D. - Assistant Professor of Anesthesiology, Mayo Clinic, Rochester, MN, USA

Lecture 5: *Principles of Color Flow Doppler*

- Color Doppler in cardiac POCUS evaluates valvular regurgitation, blood flow in major vessels, shunts, and the direction and velocity of blood flow in cardiac chambers.
- Krishnan Ramanujan M.D. - Assistant Professor of Anesthesiology, Mayo Clinic, Rochester, MN, USA

Afternoon Session: Hands-On Cardiac TTE POCUS Workshop

10:30–11:30 | Lunch Break

11:30–14:30 | Hands-On Workshop

- Practical training in transthoracic echocardiography (TTE) techniques
- Instructors: Juan Ripoll Sanz M.D, Jeremy Grate M.D., Krishnan Ramanujan M.D., James Chen M.D.

14:30 | Final Remarks & Conference Conclusion