GOAL
The Point of Care Ultrasound and Hemodynamic Monitoring Workshop will have an introductory session that will focus on educating healthcare professionals on the principles of point of care ultrasound, as well as the assessment of left ventricular function by transthoracic and transesophageal echocardiogram. This introductory session will be complemented by the presentation of interesting cases and a live demonstration. The second half will be a hands-on workshop, in which all participants will rotate for specific stations (cardiac, lung, abdomen, and vascular access) and will have the opportunity to apply the learned techniques in live and simulation models.

The Difficult Airway Workshop will be a rotating hands-on session, in which attendees will have the opportunity to perform the most relevant maneuvers to manage the challenges of a difficult airway (surgical airway, retrograde intubation, supraglottic maneuvers, and more).

A pre-and post-assessment will be performed to assess the quality and overall satisfaction of the attendees.

POINT OF CARE ULTRASOUND AND HEMODYNAMIC MONITORING WORKSHOP OBJECTIVES
- Describe basic assessment of cardiac ventricular function
- Describe basic understanding and usage of ultrasound for evaluation of lung pathologies
- Demonstrate Point of Care Ultrasound techniques
- Learn to use ultrasound for vascular access
- Practice on simulator and live models for cardiovascular imaging
- Understand the role of minimally invasive hemodynamic monitoring in goal directed fluid therapy and hemodynamic optimization

DIFFICULT AIRWAY WORKSHOP OBJECTIVES
- Failed airway and cricothyroidotomy
- Difficult airway and awake intubation techniques
- Use of a flexible fiber optic scope
- Various lung isolation techniques
- Safe extubation and airway exchange catheter
- Ultrasound for airway management

WORKSHOP AGENDA WEDNESDAY MAY 29, 2019

POINT OF CARE ULTRASOUND AND HEMODYNAMIC MONITORING WORKSHOP
Moderator: Dilip Thakar, MD

7:00 am Registration and Continental Breakfast
8:00 Point of Care Ultrasound
Dilip Thakar, MD
8:20 Assessment of LV Function TEE
Manu Sethi, MBBS
8:40 Assessment of LV Function TTE
Saamir Hassan, MD
9:00 Interesting Cases / Rescue TTE/TEE
Jose Banchs, MD
9:20 Live Demonstration of Point of Care Ultrasound
Dilip Thakar, MD
9:30 Break

HANSD-ON ULTRASOUND WORKSHOP
9:45 am Cardiac Ultrasound (FATE protocol)
Dilip Thakar, MD
Point of Care Cardiac Ultrasound (Lung and Abdomen)
Raja Palvadi, MD
Self-Paced Workshop with Simulation (Heart Works)
Manu Sethi, MBBS
Tom Heintzelman, PhD
Timothy Jackson, MD
Ultrasound Guided Vascular Access: Peripheral Vascular Access
Wendell Hiebert Williams, III, MD
Shital Vachhani, MD
Live Models to Practice
Sandeep Markan, MD
Noon  Lunch (provided)

**DIFFICULT AIRWAY WORKSHOP**

**Moderators:** Dilip Thakar, MD; Tyrone Burnett, Jr.; Tariq Syed

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Facilitator</th>
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<tr>
<td>1:00 pm</td>
<td><strong>Surgical Airway</strong></td>
<td>Dilip Thakar, MD</td>
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<td><strong>Retrograde Intubation</strong></td>
<td>Raja Palvadi, MD</td>
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<td><strong>Fiberoptic Bronchoscopy - One Lung Isolation</strong></td>
<td>Wendell Hiebert Williams, III, MD</td>
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<td><strong>Supraglottic Device</strong></td>
<td>Shital Vachhani, MD</td>
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<td><strong>Jet Ventilation</strong></td>
<td>Mona Sarkiss, MD</td>
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<td><strong>Airway Ultrasound and Gastric Ultrasound</strong></td>
<td>David Ferson, MD</td>
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<td><strong>Videolaryngoscopy</strong></td>
<td>Timothy Jackson, MD</td>
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<td>Kazim Mirza, DO - Difficult Airway and Awake Intubation</td>
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<td>Piotr Kwater, MD - Safe Extubation and Airway Exchange Catheter</td>
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<td>4:00 pm</td>
<td>Adjourn</td>
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**MD ANDERSON FACULTY**

- **Jose Banchs, MD**  
  Associate Professor  
  Cardiology

- **Tyrone Burnett, Jr.**  
  Senior Coordinator - Research Data  
  Anesthesiology, Critical Care and Pain - Research Support

- **Mona Sarkiss, MD**  
  Professor  
  Anesthesiology & PeriOperative Medicine

- **Tariq Syed**  
  Coordinator - Clinical Studies  
  Anesthesiology, Critical Care and Pain - Research Support

- **David Ferson, MD**  
  Professor  
  Anesthesiology & PeriOperative Medicine

- **Saamir Hassan, MD**  
  Associate Professor  
  Cardiology

- **Timothy Jackson, MD**  
  Associate Professor  
  Anesthesiology & PeriOperative Medicine

- **Piotr Kwater, MD**  
  Associate Professor  
  Anesthesiology & PeriOperative Medicine

- **Dilip Thakar, MD**  
  Professor  
  Anesthesiology & PeriOperative Medicine

- **Shital Vachhani, MD**  
  Associate Professor  
  Anesthesiology & PeriOperative Medicine

- **Wendell Hiebert Williams, III, MD**  
  Assistant Professor  
  Anesthesiology & PeriOperative Medicine

**WORKSHOP GUEST FACULTY**

- **Tom Heintzelman, PhD**  
  Business Development Manager  
  MedaPhor North America  
  Alpharetta, Georgia

- **Raja Palvadi, MD**  
  Associate Professor  
  Anesthesiology  
  Baylor College of Medicine  
  Houston, Texas

- **Sandeep Markan, MD**  
  Associate Professor  
  Anesthesiology  
  Baylor College of Medicine  
  Houston, Texas

- **Manu Sethi, MBBS**  
  Clinical Assistant Professor  
  Anesthesiology  
  Baylor College of Medicine  
  Houston, Texas

**WORKSHOP REGISTRATION INFORMATION**

There are only 30 spaces available for the Workshops. On-site registration will not be a guarantee. Advanced registration is highly encouraged.