



Workshop Title:

**POINT-OF-CARE-ULTRASOUND IN THE PEDIATRIC INTENSIVE CARE UNIT**

**Workshop Date / Time:**

June 2, 2024 / 08:00- 12:15 – Workshop in English only

June 2, 2024 / 12:45- 17:00 – Workshop in Spanish only

**Workshop Type:**

Half-Day Workshop

**Workshop Organizer**

Saul Flores

**Workshop Facilitators:**

Vidit Bhargava, Luke Burton, Saul Flores, Erik Su, Pablo Bravo Figueroa, Carlos Bañuelos

**Learning objectives:**

1. Identify procedural applications amenable to ultrasound guidance and standardized methods of ensuring optimized safety and performance.
2. Incorporate diagnostic applications amenable to ultrasound evaluation and methods of assessing and identifying pathophysiologic processes.
3. Apply ultrasound in the varied clinical settings of neonatal and pediatric intensive care.

**Workshop Objectives:**

Ultrasound technology is now ubiquitous within most neonatal and pediatric intensive care settings in large academic centers and even in low-resource settings. Many procedural applications utilizing ultrasound are now considered standards of care, and emerging diagnostic applications change management and improve the care we provide critically ill children. The goals of the course are to expose pediatric multidisciplinary clinicians to procedural and diagnostic point-of-care ultrasound (POCUS) applications for translation in clinical practice and to identify future areas of exploration in the field.

**Workshop Program:**

Didactics:

1. Ultrasound basics (20 min),
2. Cardiac, lungs, and FAST (20 min),
3. Airway evaluation (20 min)

Hands-on ultrasound scanning

1. Cardiac (30 min)
2. Advanced hemodynamic assessment (30 min)
3. Lungs (30 min)
4. Fast (30 min)
5. Vascular access (30 min)
6. Air way evaluation suprasternal notch level and thyroid cartilage level (30 min)