

## **Point-of-Care Ultrasound Vertical Integrated Curriculum Course/Clerkship Content**

### **M1 Year**

#### **Structure of the Human Body**

- Lecture: Introduction to Ultrasound
- Lecture: MSK/Upper extremity (shoulder)
- Workshop: MSK/Upper extremity
- Lecture: Head/Neck (anterior neck, carotid artery, internal jugular vein)
- Workshop: Head/Neck
- Lecture: Heart/Lung
- Workshop: Heart/Lung
- Lecture: Aorta/IVC
- Workshop: Aorta/IVC
- Lecture: Abdomen (liver, spleen, kidneys)
- Workshop: Abdomen

#### **Function of the Human Body**

- Lecture: Renal
- Workshop: Renal

### **M2 Year**

#### **Patient Centered Medicine 2**

- Workshop: Cardiac
- Workshop: Pulmonary
- Workshop: Biliary

#### **Mechanism of Human Disease**

- Case-based small group discussion: Cardiac
- Case-based small group discussion: Pulmonary
- Case-based small group discussion: Biliary

### **M3 Year**

#### **Surgery Clerkship**

- Workshop: eFAST (Extended Focused Assessment with Sonography in Trauma) Protocol

#### **Internal Medicine Clerkship (Loyola - General Medicine)**

- Piloted Workshop (4 sessions): ultrasound-guided vascular access
- Hands-on: CLUE Protocol, carry handheld Butterfly US for 1 month

## **M4 Year**

### **Emergency Medicine Clerkship**

- Workshop: RUSH (Rapid Assessment with Ultrasound in Shock and Hypotension) Protocol

### **Sub-Internship Clerkship**

- Workshop: facilitator-led small group during orientation day covering identification of the anatomic structures
  - Right radial artery
  - Right internal jugular
  - Pulmonary: A- and B-lines, pleural effusion assessment
  - Cardiac: subxiphoid view for right atrial size, pericardial effusion
  - IVC

### **Emergency Medicine Ultrasound Elective**

- Four week point-of-care ultrasound elective including video lectures, reading, journal article discussion, ultrasound image review sessions, and hands-on experience during clinical shifts in the emergency department.