Echocardiography Group

**Goal: Understand the structure and function of the heart through the use of ultrasound.**

**To-Do: Define the prework for your students and identify the audience for whom this module is being written.**

**LIs:**

* **Understand the value of each axis from anatomical and clinical perspectives**
* **Blend or relate anatomy with physiology**
* **Keep it patient centered**
* **Technical skills**
* **Using Doppler to understand flow**
* **What are the limitations?**
* **Appreciate normal variation**
* **PE/PD**

**LOs:**

1. **Identify the major structures (ie. Chambers and valves) in an U/S image of the heart.**
2. **Properly orient the patient to obtain the standard views of transthoracic cardiac u/s and identify the utility of each view.**
3. **Correlate events in the cardiac cycle with their appearance in u/s.**
4. **Demonstrate sensitivity toward the patient while performing cardiac u/s.**
5. **Effectively communicate cardiac u/s findings to patient and other health care professionals.**
6. **Relate echocardiographic/doppler views to cardiac auscultation on physical exam.**

**Further modules for expansion of vignette:**

* **Incorporate more clinical components (indications, limitations, etc)**
* **Pediatrics case (normal variations)**
* **Advanced applications (measurements and interpretation)**
* **Pharmacology (what happens when certain medications are administered)**