

POINT OF CARE ULTRASOUND TRACK CURRICULUM

Target: PGY 2-3

Updated December 2022

Curriculum and Site Director: Vincent Chan, MD

A. EDUCATIONAL OVERVIEW

The Point of Care Ultrasound (POCUS) Curriculum at Olive View is a longitudinal, semi-individually paced program designed for Internal Medicine residents to integrate ultrasound use into physical examination and medical decision-making. Although ultrasound use is becoming more widespread across different clinical areas within Internal Medicine, this course is specifically developed for hospitalists and clinicians working in the inpatient setting.

B. TRACK DESCRIPTION AND STRUCTURE

The track is a longitudinal course over 6-12 months consisting of monthly didactic workshops and independent skills development. Track participants will be expected to attend the didactics, learn skills with hands-on instruction, and come to office hours as needed. Track participants are expected to build a portfolio that exhibits their skill in acquiring ultrasound images and applying clinical interpretation. This activity requires that the track participants be self-guided and independent. The portfolio will be reviewed by trained faculty for quality and accuracy.

C. APPLICATION AND ENTRY

How to Apply: Residents will enter this track through an application and review process. Applications will be reviewed by Dr. Vincent Chan.

All enrollees must be in good academic standing without problem-focused remediation or professionalism issues. Applicants will be excluded if delinquent in reporting of duty hours or completion of medical records.

D. GOALS & OBJECTIVES

By the end of this track, residents should achieve the following competencies:

1. **Navigate and utilize ultrasound hardware.**
2. **Obtain optimal and reproducible images.**
3. **Interpret ultrasound images and integrate into medical decision-making**
4. **Formulate quality improvement metrics.**
5. **Application of POCUS knowledge and skills in the following areas:**
 - Cardiac views and interpretation
 - Pulmonary views and interpretation
 - Renal views and interpretation
 - Vascular views and interpretation
 - Ophthalmologic views and interpretation
 - Right upper quadrant abdominal views and interpretation

E. TEACHING METHODS

The following methods will be used to provide foundational skills and refine them.

- Focused didactics
- Hands-on instruction
- Independent practice and image acquisition
- Office hours
- Review and feedback on the personal ultrasound portfolio

Didactics and feedback will be provided by faculty trained in ultrasound.

F. SUPERVISION AND EVALUATION

Didactics and portfolio will be reviewed by faculty attending.

G. EDUCATIONAL RESOURCES

The following equipment will be provided.

- Ultrasound probes
- Ultrasound software for the portfolio

Track participants may use their own ultrasound probes.