



Professional Enrichment Course

University of Pittsburgh School of Medicine

Office of Medical Education

PEC Registrar – Denise Downs d downs@pitt.edu 412-648-8749

Course Name: Point of Care Ultrasound (POCUS) Basics

Enrollment Period:	Fall 2021
Course Dates:	September 24, October 1, 8, 15, from 12p-1p
Student Max:	20
Class Year:	MS1
Course Director:	Emily Lovallo, MD (lovalloem2@upmc.edu)
Course Administrator:	Emily Lovallo, MD (lovalloem2@upmc.edu)
Location:	Scaife hall Rooms 502 and 503, 12p-1p
Registration:	Via Amp Up – Registration open date will be announced via email
Course Description:	<p>During this 4 session mini-elective, which is designed to run concurrently with the Medical Anatomy MS-1 course, students will learn about anatomy as they scan each other. This will be a hands-on course that will focus on the sonographic anatomy.</p> <p>We will cover:</p> <ul style="list-style-type: none">• Ultrasound Basics (physics, how to use the system, indications for different probes, doppler, color) while reviewing the anatomy of the neck.• Abdominal Ultrasound• Musculoskeletal and soft tissue Ultrasound• Cardiac Ultrasound
Objectives:	To gain understanding of basic point-of-care ultrasound use in clinical practice across a wide range of fields
Pre-Requisites:	None
Requirements:	Actively participate in all four sessions and pre-review provided material before each session
Texts:	None

We will use a flipped-classroom structure for this course. Students will be required

to watch brief pre-recorded videos on their own ahead of time. When we meet students will work in groups of 5 with one faculty member to practice hands-on ultrasound skills using peer-peer scanning. You will review relevant anatomy covered in your Anatomy course, and faculty will begin to introduce clinical relevance of ultrasound findings.

We will cover

- Ultrasound Basics (physics, how to use the system, indications for different probes, doppler, color) while reviewing the anatomy of the neck.
- Abdominal Ultrasound
- Musculoskeletal and Soft Tissue Ultrasound
- Cardiac Ultrasound

Due to restrictions in place in response to COVID-19, students will wear surgical Masks during the sessions. Where possible, students will be grouped strategically based on enrollment such that there are 2 male students per group that will be used for practicing cardiac ultrasound. All students should be prepared to rotate through as ultrasound "models" for the other applications which will involve scanning of the abdomen, neck, and extremities.