Point of Care (POCUS) Basics
Mini-Elective

FALL 2020

Course Dates: October 13, 20, 27, November 3
Tuesdays, 1:00-2:30 PM
(See location schedule on page 2)

Maximum Students: 20

Class Year: MS1

Course Director: Emily Lovallo, MD

Contact Information: Emily Lovallo, MD
lovalloem2@upmc.edu

Registration: Denise Downs, Office of Medical Education
ddowns@medschool.pitt.edu

Description:
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 so-
nographic anatomy.

Requirements:
Actively participate in all four sessions.

COURSE OUTLINE
Point of Care Ultrasound (POCUS)

Location
All in person sessions will be from 1-2PM in the 5th floor small group study
rooms
(Details will be announced by Dr. Lovallo)

Description:
We will use a flipped-classroom structure for this course. Students will be re-
quired to watch brief pre-recorded videos on their own ahead of time. When
we meet students will work in groups of 4 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 Ultrasound
-Cardiac Ultrasound

Due to restrictions in place in response to COVID-19, students will wear surgi-
cal masks and eyewear during the sessions. Students will be grouped strate-
gically based on enrollment such that there are 2 male students per group that
will be used for cardiac ultrasound. All students should be prepared to rotate
through as ultrasound "models" for the other applications.