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# Essential Procedures in Clinical Medicine

## Professional Enrichment Course

### 2024

Course Dates: January 29, 2024—February 1, 2024

Class Years: MS1

Course Director: Stephanie Gonzalez, M.D.  
Department of Emergency Medicine

Contact Information: Stephanie Gonzalez, MD  
412-647-9922  
gonzalezsm@upmc.edu

Registration:

EM student association coordinators will arrange registration. Be sure to sign in when attending the workshop.

Description:

This 4 session professional enrichment course will introduce students to key procedures in clinical medicine. Many students have had experience with some clinical procedures before medical school or during clinical observation programs. This professional enrichment course, offered in conjunction with the Emergency Medicine Student Association, provides a structured laboratory-style experience for students who wish to have additional opportunities to learn and practice common bedside procedures, under the supervision of experienced faculty and resident facilitators. These sessions will be limited to course enrollees and will be taught in small group format. Though many of these skills are also addressed later in required courses in the curriculum, these are fundamental skills that are best developed through repeated exposure and practice – so there is a real benefit to having more than one exposure to these techniques.

Course Objectives:

To practice key procedural skills commonly performed by medical students

- IV insertion
- Phlebotomy
- Simple laceration repair
- Non-invasive Airway Management
- Intubation
- Ultrasound

Requirements:

Participate in 4 offered Workshops. (IV & Phlebotomy, Suturing, Airway, Ultrasound).

Supplemental instructional materials will be provided for class by the instructor at the workshops.

## **Course Outline**

### **Essential Procedures in Clinical Medicine**

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#### **Location:**

Various locations outlined below.

#### **Session 1– Monday, January 29, 5p-7p, WISER**

##### **Ultrasound Workshop**

This session will focus on the FAST (Focused Abdominal Sonography in Trauma) examination. Participants will learn when the FAST exam should be used, review positive and negative findings, and what to do with those findings. The four standard FAST views will be taught in addition to the eFAST (Extended FAST) views.

#### **Session 2 – Tuesday, January 30, 5p-7pm, Scaife 7700**

##### **Suturing Workshop**

Learn indications and contraindications for suturing wounds.  
Practice technique of common suture types on pig's feet.

#### **Session 3–Wednesday, January 31, 5p-7p, WISER**

##### **Airway Workshop**

Learn indications for airway support.  
Become familiar with multiple non-invasive airway support measures.  
Learn and practice endotracheal intubation on mannequin

#### **Session 4–Thursday, February 1, 5p-7pm, Scaife 7700**

##### **IV/Phlebotomy Workshop**

Learn indications and applications for saline lock insertion.  
Become familiar with potential complications of IV insertion.  
Practice proper technique for IV catheter insertion and phlebotomy on a partner.

