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# Essential Procedures in Clinical Medicine

## Professional Enrichment Course

### 2022-2023

Course Dates: October 2022—March 2023  
(see specific dates in outline—Thursdays)

Class Years: MS1 and MS2

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

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

#### Registration:

No need to pre-register. Workshops will be announced by EM student association coordinators. Be sure to sign in when attending the workshop.

#### Description:

This 10 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 out of 10 offered Workshops. (one each of 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**

#### **Course Director:**

Stephanie Gonzalez, MD  
Department of Emergency Medicine  
412-647-9922  
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#### **Course Objectives:**

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#### **Location:**

Various locations outlined below.

#### **Session 1– Thursday, October 13, 5p-8p, Scaife Hall**

##### **3<sup>rd</sup> Floor lab, 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–Thursday, October 20, 5p-8pm, 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 3 – Thursday, November 3, 5p-7pm, Scaife 3rd Floor Lab**

##### **Suturing Workshop**

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

#### **Session 4–Thursday, November 17, 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 5–Thursday, December 1, 5p-7pm, Scaife Hall 3rd**

##### **Floor Lab**

##### **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.

**Session 6– Thursday, January 12, 2023, 5p-8p, 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 7– Thursday, January 19, 2023, 5p-8pm, 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 8–Thursday, February 16, 2023, 5p-7pm Scaife 3rd Floor  
Lab**

**Suturing Workshop**

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

**Session 9, Thursday, March 2, 2023, 5p-7pm, WISER  
Airway Workshop**

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

**Session 10–Thursday, March 30, 2023, 5p-7pm, Scaife 3rd Floor  
LabIV/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.