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# Essential Procedures in Clinical Medicine Mini-Elective 2017-2018

<u>Course Dates:</u>	September 2017—April 2018
<u>Class Years:</u>	MS1 and MS2
<u>Course Director:</u>	Stephanie Gonzalez, M.D. Department of Emergency Medicine
<u>Contact Information:</u>	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 mini-elective 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 mini-elective, 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. The first hour of 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  
gonzalezsm@upmc.edu

#### **Course Objectives:**

To practice key procedural skills commonly performed by medical students

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#### **Location:**

Various locations outlined below. Note: Scaife Hall 5:00-7:00 pm; WISER 5:00-8:00 pm

#### **Session 1 – September 7, 2017, 5p-7p**

##### **Suturing Workshop**

##### **Third Floor Learning Lab in Scaife Hall**

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

#### **Session 2 – October 5, 2017, 5p-7p**

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

##### **Third Floor Learning Lab in Scaife Hall**

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 3– November 16, 2017, 5p-7p**

##### **Airway Workshop**

##### **WISER**

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

#### **Session 4- November 30, 2017, 5p-8p**

##### **Ultrasound Workshop**

##### **WISER**

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 5- December 7, 2017, 5p-8p**

##### **Ultrasound Workshop**

##### **WISER**

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 6– January 8, 2018, 5p-7p**

**Suturing Workshop**

**Third Floor Learning Lab in Scaife Hall**

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

**Session 7– February 8, 2018, 5p-7p**

**IV/Phlebotomy Workshop**

**Third Floor Learning Lab in Scaife Hall**

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 8, March 8, 2018, 5p-7p**

**Airway Workshop**

**WISER**

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

**Session 9– April 4, 2018 5p-8p**

**Ultrasound Workshop**

**WISER**

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 10– April 12, 2018, 5p-8p**

**Ultrasound Workshop**

**WISER**

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.