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# The Emergency Expert Professional Enrichment Course 2023-2024

<u>Course Dates:</u>	September 2023—March 2024 12:00-1:00 PM
<u>Class Year:</u>	MS1 and MS2
<u>Course Director:</u>	Stephanie Gonzalez, MD Department of Emergency Medicine
<u>Faculty:</u>	Stephanie Gonzalez, MD Adam Tobias, MD Raquel Forsythe, MD Jennifer Wolford, DO Christine Leeper, MD Michael Abesamis, MD
<u>Contact Information:</u>	Stephanie Gonzalez, MD 412-647-9922 <a href="mailto:gonzsm@upmc.edu">gonzsm@upmc.edu</a>

## Registration:

No need to pre-register. Lectures will be announced by EM Student Association Coordinators. Be sure to sign in when attending lecture.

## Description:

This 6 session professional enrichment course will introduce students to the field of Emergency Medicine and various sub-specialties with an emphasis on emergent care of the critically ill or injured patient. This noon-time lecture series is sponsored by the Emergency Medicine Student Association and will cover various topics relevant to Emergency Medicine and various emergency situations. Topics will include an introduction to complex clinical cases, gun violence, trauma management, child maltreatment, toxicology and In-flight emergencies. Lectures include pathophysiology and clinical correlation. The lecturers are all board-certified faculty members or fellows within the University of Pittsburgh Medical Center.

## Objectives:

- To provide framework of skills needed in the care of the critically ill or injured patient and various emergency situations.
- To expose students to the field of EM and provide information on the wide range of practice opportunities and sub-specialties available.
- To provide a foundation to apply pathophysiology to actual clinical cases.
- To provide practical knowledge of emergency scenarios relevant to Emergency Medicine but applicable to a diverse range of medical specialties.

## Requirements:

Participate in 4 out of 6 offered course sessions

## **Course Outline**

### **The Emergency Expert**

**Time/Location: All sessions: Scaife Hall Lectures Rooms**  
**12:00 PM—1:00 PM**

#### **Faculty:**

Stephanie Gonzalez, MD  
Adam Tobias, MD  
Raquel Forsythe, MD  
Jennifer Wolford, DO  
Christina Leeper, MD  
Michael Abesamis, MD

#### **Session 1- Tuesday, September 26, 2023**

"Is There a Doctor on Board? Medical Emergencies at 30,000 Feet"

Dr. Adam Tobias, MD

"Ladies and gentlemen: is there a doctor on board?" We will use recordings of real-life in-flight emergency consults to supplement a discussion of common and uncommon scenarios that medical providers may be challenged with during commercial airline travel. We will discuss the unique aspects of patient care in this austere environment, what supplies and resources are available, the medical challenges of taking care of patients at altitude, considerations for aircraft diversion, and how you can help.

#### **Session 2 – Tuesday, October 10, 2023**

Complex patient care

Dr. Stephanie Gonzalez, MD

Medical decision making isn't as simple as making a diagnosis and prescribing treatment. Using actual clinical cases, we will walk through the complex issues affecting patient care in the Emergency Department. The focus will be on social and economic factors that impact access to care and the how decision making is altered based on individual patient needs.

#### **Session 3 – Tuesday, November 14, 2023**

Gun Violence

Dr. Raquel Forsyth, MD

Guns killed over 45,000 Americans in 2021. Since 9/11, only 549 Americans have died from terrorism. But yet only \$25 million is budgeted toward gun violence compared to the \$8 trillion spent on the war on terror. In this lecture, we will discuss gun violence as one of the largest public health problems in this country and what you can do about it.

#### **Session 4- Tuesday, January 23, 2024**

Child Maltreatment

Dr. Jennifer Wolford, DO

Participants will have an understanding of the scope of the problem of child maltreatment and will become more familiar with legal aspects and the child protection system. Students will also gain insight into ways abused and neglected children present in the ED setting.

#### **Session 5-Tuesday, February 20, 2024**

Trauma Management

Dr. Christina Leeper, MD

Learn about initial management principles of trauma patients. The focus of the lecture will be actual case studies of trauma patients focusing on mechanism of injury, anatomy and physical findings, diagnostic evaluation and clinical decision making.

#### **Session 6- Tuesday, March 5, 2024**

An Introduction to Toxicology

Michael Abesamis, MD

This talk will introduce students to the field of Toxicology including scope of practice and conditions managed within the specialty. Clinical presentation, pathophysiology, management and outcomes will be discussed in the context of actual cases.