The Emergency Expert Mini-Elective  
2017-2018

Course Dates: October 2017—March 2018

Class Year: MS1 and MS2

Course Director: Stephanie Gonzalez, MD  
Department of Emergency Medicine

Faculty:  
Stephanie Gonzalez, MD  
Mike Abesamis, MD  
Lou Alarcon, MD  
Clifton Callaway, MD  
Raquel Forsythe, MD  
Courtney Walker, MD  
Jennifer Wolford, DO

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

Description:  
This 6 session mini-elective 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 toxicologic emergencies, trauma, prescription narcotic abuse, Intimate partner violence, child maltreatment and resuscitation. 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
12:00 PM—1:00 PM—Scaife Hall Lecture Room 1

Faculty:
Stephanie Gonzalez, MD
Mike Abesamis, MD
Lou Alarcon, MD
Clifton Callaway, MD
Raquel Forsythe, MD
Courtney Walker
Jennifer Wolford, DO

Session 1 - Tuesday, October 17, 2017
Toxicology - Toxidromes
Mike Abesamis, MD
The pathophysiology of common toxidromes will be discussed with an emphasis on clinical presentation. Using a case based approach, students will learn about the pharmacology, physical exam findings and clinical management of various classes of toxic ingestions.

Session 2 - Wednesday, November 1, 2017
Stop the Bleed
Raquel Forsythe, MD
"Stop the Bleed" is a national initiative raising awareness and training in bleeding control. Dr. Raquel Forsythe, a trauma surgeon at UPMC Presbyterian, is one of the leaders of this initiative. She will discuss and demonstrate appropriate actions during bleeding emergencies as well as pressure dressing and tourniquet application. The training is meant to be a step off point for medical students to not only be prepared but also to ready themselves to train the laypeople in their communities. Their training as physicians will certainly encompass a broader spectrum of action, but they should always keep in mind the basic bleeding control techniques and spread the word to potential bystanders.

Session 3 - Tuesday, November 14, 2017
Trauma Management
Lou Alarcon, 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 4 - Tuesday, January 9, 2018
Concepts of Resuscitation
Clifton Callaway, MD
This talk will discuss the current state of cardiac resuscitation, including the public health burden of sudden cardiac death. Creation and maintenance of systems of care that provide resuscitation emergently for persons who collapse suddenly outside of the hospital is a major activity for emergency medicine. Once patients are transported to the hospital, and for patients who are resuscitated in the hospital, priorities include mitigation of damage and determining the cause of sudden collapse. Survival with good quality of life is possible when all components of the system of care work well.

Session 5 - Tuesday, February 27, 2018
Suicide Risk Assessment
Courtney Walker, MD
This review will discuss the various facets and challenges of suicide assessment in the emergency setting. Topics will include the approach to the patient, key warning signs for suicide, and exploration of risk and protective factors for suicide. We will also dispel common myths and discuss basic case conceptualization pertaining to safety assessments.

Session 6 - Tuesday, March 13, 2018
Child Maltreatment
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.