The Emergency Expert
Mini-Elective
Spring 2008

Course Dates: October 16, 2007
November 19, 2007
December 3, 2007
January 7, 2008
February 12, 2008
March 10, 2008
12:00—1:00 PM

Maximum Students: 25

Class Year: MS1 and MS2

Course Director: Stephanie Gonzalez, MD

Faculty: Louis Alarcon, MD
Frank Guyette, MD
Michael Lynch, MD
Marc Munk, MD

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

Registration: Betsy Nero, Office of Medical Education
betsy@medschool.pitt.edu

Description:
This 6 session mini-elective will introduce students to the core topics in 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 co-sponsored by the Emergency Medicine Student Association. Topics include acute trauma care, disaster planning and management, and toxicologic emergencies. The presentations will include pathophysiology and clinical correlation, and administrative and social aspects of emergency care. Students will gain an understanding of the role of emergency medicine in the House of Medicine, and of pathways to careers in emergency medicine.

Course Objectives:
• To introduce essential clinical concepts that are fundamental in the care of acutely ill or injured patients.
• To provide a foundation for the application of pathophysiology to actual clinical cases.
• To provide an overview of current clinical and research questions in emergency, acute care and resuscitation medicine.

Requirements:
Participate in 4 out of 6 course sessions
The Emergency Expert

Course Director:
Stephanie Gonzalez, MD
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suscitation medicine.

Location / Time:
Scaife Hall Lecture Rooms, 12-1 PM
Exact location details will be distributed to course participants prior to each session.

Course Outline

Session 1 – October 16, 2007
Pre-hospital/Disaster Management
Instructor: Frank Guyette, MD
Learn about disaster planning and implementation and the network of providers responsible for manage-
ment of mass casualty situations. Understand the critical role of emergency physicians and emergency
medical services in disaster situations.

Session 2 – November 19, 2007
Trauma Management
Instructor: Louis Alarcon, MD
Learn about initial management principles of trauma patients. The focus of the session will be case stud-
ies of actual trauma patients focusing on mechanism of injury; anatomy and physical findings; diagnostic
evaluation; and clinical decision making.

Session 3 – December 3, 2007
Toxicology Cases
Instructor: Michael Lynch, MD
This session will provide an opportunity to learn about fundamentals of toxicology by working through
clinical case studies of toxicology patients, with an emphasis on critical ingestions and management prin-
ciples as they relate to the pathophysiology of the toxin. Students will also learn about the subspecialty
of toxicology, pathways to becoming a clinical toxicologist, administrative aspects of the specialty and
various practice options.

Session 4 – January 7, 2008
Prescription Narcotic Abuse
Instructor: Stephanie Gonzalez, MD
Become familiar with the rising problem of prescription narcotic abuse, identify agents commonly abused,
learn how to recognize signs of abuse and learn practical techniques to avoid perpetuating the problem.

Session 5 – February 12, 2008
International Emergency Medicine
Instructor: Marc Munk, MD
Learn more about international opportunities in Emergency Medicine. This session will focus on emer-
gency support after natural disasters, medical relief organizations for nations with inadequate medical
resources, and establishment of advanced emergency medicine training programs outside of the US.
Session 6 - March 10, 2008
Emergency Medicine Fellowships / Medical Student Summer Research Opportunities
Instructor: Physician Panel
Learn more about the fellowships available after an EM residency and the practice opportunities that these fellowships provide. Residents and fellows will also be on hand to explain the various research opportunities that are available and discuss summer opportunities for medical students.