University of Oklahoma School of Medicine – Fourth Year Medical Student Elective Rotation in Disaster Medicine

The University of Oklahoma School of Medicine is offering a Fourth Year Medical Student Elective Rotation in Disaster Medicine. It is a community service rotation that gives the student a broad base of understanding the field of disaster medicine and how it applies to clinical practice, to emergency medicine, and to society. Of course, if a disaster occurs during the rotation, the student’s training may become “hands-on” rather rapidly.

Pre-requisites:

1. Students are required to complete Dr. Stewart’s pre-test BEFORE starting this rotation.
2. ICS 100, ICS 200- Introduction to Incident Command System courses, if not previously taken. Students may complete these courses within the first 48 hours of the rotation. These two courses are available from FEMA at http://training.fema.gove/IS/crslist.asp free of charge, with 24/7 availability online at the student’s leisure.

Objectives:

1. To be able to define what constitutes a disaster.
2. To understand the importance and uses of a threat analysis.
3. To be able to perform a threat analysis of a site, identifying both common and potentially catastrophic events and establish mitigating responses for these events.
4. To discuss how the nature of injury or illness changes in relation to the different types of disasters (natural, environmental, biological, chemical, nuclear, social and armed conflicts).
5. To understand the use of a ‘play book’ prepared in advance of a disaster to mitigate the effects of that disaster.
6. To demonstrate the START system of field triage in field emergency medicine. The START system is a rapid triage designed to Simply Triage And Rapidly Transport a large number of casualties.
7. To discuss sorting of casualties, resuscitation and stabilization, preparing casualties for transport and evacuation and distribution of casualties to hospitals.
8. To demonstrate how the incident command system enhances the effectiveness of a multidisciplinary team in the context of a disaster.
9. To list the various components and responsibilities of the medical response in a disaster.

Organization of the Rotation:

Week 1: Introduction to Disaster Medicine
   1. The relationship between Emergency Medicine and Disaster Medicine
   2. Definition of Disaster and Disaster Medicine
Week 2: Discussion of Specific Disasters
1. Disaster Management for Terrorist Events
2. Environmental Health
3. Maritime incidents
4. Principles of treatment in disasters
5. Mass gatherings
6. Epidemics

Week 3: Incident Command System
NOTE: MUST HAVE ICS 100/200 completed before proceeding. ICS 800/700 courses are also strongly recommended for the first time disaster medicine student. For those who repeat this elective, these courses will be required. All of these courses are available from FEMA at http://training.fema.gov/IS/crslist.asp free of charge, with 24/7 availability online at the student’s leisure.

Week 4: Disaster Management
1. International and Federal disaster planning, organization, and NGO’s
2. Communications in a disaster
3. Veterinary disaster planning
4. Management of Fatalities
5. Medical Planning for Vulnerable Populations
6. Medical Disaster Planning
7. Triage in the disaster situation
8. Public Awareness and Information as Measures of Prevention

Risk Management: Definition, Prevention, Warning, Situational (This is an optional module.)
1. Research models in disaster medicine
3. Disaster epidemiology
4. Modeling medical disaster management
2. Evaluation and interpretation of experiences in the field

University of Oklahoma School of Medicine is accredited by the North Central Association of Colleges and Schools Commission on Institutions of Higher Education.

For further information contact:

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Additional Information: www.oudem.org

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