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 a 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.gov/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 ‘SALT’ system of field triage in field emergency medicine. The “SALT” 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.

Rotation Layout:

**Week 1 - Introduction to Disaster Medicine**

The relationship between Emergency Medicine and Disaster Medicine
Definition of Disaster and Disaster Medicine

**Week 2 - Discussion of Specific Disasters**
Disaster Management for Terrorist Events
Environmental Health
Maritime Incidents
Principles of Treatment in Disasters
Mass Gatherings
Epidemics

Week 3 - Incident Command System

Week 4 - Disaster Management
Management of Fatalities
Medical Planning for Vulnerable Populations
Medical Disaster Planning
Triage in the disaster situation
Public Awareness and Information as Measures of Prevention
International and Federal disaster planning, organization and NGOs
Communications in a disaster
Veterinary disaster planning

Optional Module - Risk Management
Research models in disaster medicine
Disaster epidemiology
Modeling medical disaster management
Evaluation and interpretation of experiences in the field

University of Oklahoma School of Medicine is a member of the North Central Association of Colleges and Schools Commission on Institutions of Higher Education and Liaison Committee on Medical Education.

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Additional Information: www.oudem.org

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