

County of Los Angeles Department of Health Services  
Emergency Medical Services Agency  
Disaster Medical Services

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### Disaster Training Unit Course Description

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**Topic:** Medical Management of Radiological, Nuclear and Explosive Casualties for Physicians

**Course Hours:** 1

**Course Description:** This course emphasizes the signs and symptoms of exposure to Radiological, Nuclear and Explosive weapons, the evaluation of victims that have either been exposed or contaminated, triage of casualties, therapeutic regimens for treatment and prophylaxis. Decontamination of victims and personal protection.

**Target Audience:** Physicians

**Objectives:** At the conclusion of this course the student will be able to:

- Describe the various types of nuclear/radiological hazards.
  - Understand the acute health effects from radiation contamination and/or exposure.
  - Know the principles of self-protection and the medical management of radiation casualties.
  - List the various sources of ionizing radiation and their potential impact.
  - Explain the current trends in terrorism and how it relates to the use of radioactive agents.
  - Describe the difference between exposure and contamination and how it impacts the medical care of the victims.
  - List the protective measures and procedures necessary in patient triage and decontamination.
  - Describe the hospital management of radiation victims.
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