

**Amber Waves Technical Workshop  
Kansas City, MO  
8 June 2012**

**EMERGENCY MANAGEMENT OF RADIATION ACCIDENT VICTIMS**

**Course Objectives**

At the end of this training course, the participant will be able to:

- 1.0 Discuss the concepts of radiation physics and radiobiology that are important in the emergency care of the radiation accident victim.
- 2.0 Define: exposure, contamination, internal contamination and radionuclide incorporation.
- 3.0 Select and prepare an appropriate treatment/decontamination area within the hospital and determine staff and patient needs.
- 4.0 Describe radiation protection and contamination control techniques that can be utilized during the emergency care of contaminated radiation accident victims.
- 5.0 Given the identity of an internally deposited radioactive contaminant, select the appropriate pharmacological intervention.
- 6.0 Name sources of assistance that are available during real or presumed radiation accidents.
- 7.0 Describe radiological and nuclear incidents of concern and the medical consequences.
- 8.0 Discuss the roles and responsibilities of physicians and nurses during a radiation accident affecting a large population.