



Objectives:

- Understand the concept of chemical and radiological agents of opportunity (AoO) – TICs, TIMs and TRMs
- Identify possible terrorist use of AoO
- Discuss past mass exposure to AoO
- Describe the major health effects of TICs, TIMs and TRMs and other important non-volatile chemical agents
- Identify primary treatment modalities for victims
- Appreciate the basis for increased public health preparedness for these agents
- Understand the psychological impact of mass casualties from such exposures
- Understand the implementation of “first receiver” OSHA guidance

Who Should Attend:

- Primary Care Physicians – Emergency, Occupational, General Surgery, Internal Medicine, Family Practice, Others
- Medical Residents in Emergency Medicine, Family Practice, General Surgery, Internal Medicine, Others
- Medical Directors for the Emergency Medical Services (EMS) System
- Nurses, Nurse Practitioners, Nurse Clinicians
- Physician Assistants
- Medical Residents, Medical Students, Nursing Students, and Paramedic Students
- Pre-Hospital First Responders (EMTs)

Produced by
**The Radiation Emergency Assistance Center/
 Training Site (REAC/TS)**
 and
The American College of Medical Toxicology (ACMT)

Supported by:
**The Office of Environmental Health Emergencies
 National Center for Environmental Health/
 Agency for Toxic Substances &
 Disease Registry (NCEH/ATSDR)**
 and
Centers for Disease Control & Prevention (CDC)

REAC/TS is a program of the U.S. Department of Energy's Oak Ridge Institute for Science & Education (ORISE) in Oak Ridge, TN USA. The REAC/TS AoO TRMs course is based upon work performed under Contract #DE-AC05-06OR23100 between the U.S. Department of Energy and Oak Ridge Associated Universities that operates ORISE for the U.S. DOE. The ACMT is an independent professional society of medical toxicologists.

The Oak Ridge Institute for Science and Education designates this live activity for a maximum of 14 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Free CME Course

Agents of Opportunity for Terrorism

**Toxic Radiological Materials (TRMs),
 Toxic Industrial Chemicals (TICs), & Toxic
 Industrial Materials (TIMs)**

6-7 December 2011

No Charge for Course, Course Materials and CME Credit

**BUT REGISTER BY THE DEADLINE OF
 25 November 2011**

in order to receive a course manual at the venue

(see other side for registration info)

Course Specifics

University of California - Irvine
 Center for Disaster Medical Sciences
 Care Ambulance Conference Room

1517 West Braden Court

Orange CA 92868

Registration Both Days 7:00-7:45 AM
 T & W, 7:45 AM-5:00 PM

Overview:

In recent years, there has been growing concern that many of the most likely terrorist threats will involve “agents of opportunity” or materials that are readily available in most communities around the country.

This two-day course is designed to familiarize healthcare providers and others who might have a role in planning and preparations for an emergency response to toxic exposures with a variety of toxic syndromes. The course will review the medical and psychological consequences of exposures to a variety of materials.

The Radiation Emergency Assistance Center/ Training Site (REAC/TS) and the American College of Medical Toxicology (ACMT) are pleased to offer this course on emergency medical response to exposures from radioactive materials and toxic chemicals. The Office of Environmental Health Emergencies, within the National Center for Environmental Health/Agency for Toxic Substances & Disease Registry (NCEH/ATSDR) at the Centers for Disease Control & Prevention (CDC), has supported independent development of a one-day Agents of Opportunity (AoO) course by the ACMT and a one-day course in Radiation Emergency Medicine (REM) by REAC/TS.

Link to the REAC/TS website for more complete information, registration form and directions to the venue: <https://orise.orau.gov/reacts/aoo>

Register by 25 November 2011 in order to receive a course manual at the course venue! Registration begins 1 October 2011.

SCHEDULE - Day 1

7-7:45 AM	Sign-In
7:45 AM	Pre-Test/Overview of the AoO Course
8-8:50 AM	Basic Ionizing Radiation Physics & Radiation Protection
9-9:50 AM	Acute Radiation Syndrome (ARS)
10-10:50 AM	Radiation Protection, Contamination Control & Instrumentation
11 AM-12N	Acute Local Radiation Injury (LRI)
12N	Lunch on your own
1-1:50 PM	Radiation Emergency Area Protocol
2-2:50 PM	Radiation Sources & Terrorist Scenarios
3-3:50 PM	Management of Internal Contamination with Radioactive Materials
4-5:00 PM	Dressing Out & Decontamination
5:00 PM	Adjourn

Presenters:

Doran M. Christensen DO
REAC/TS Associate Director/Staff Physician

Steve Sugarman, MS CHP CHCM
REAC/TS Health Physics Project Manager

Carol J. Iddins MD
REAC/TS Staff Physician

Charles McKay MD, FACMT, FACEP
Connecticut Poison Control Center/ACMT

SCHEDULE - Day 2

7-7:45 AM	Sign In
7:45 AM	Review of Day 1 & Overview of Day 2
8-8:50 AM	Toxic Warfare: Beyond Conventional Chemical Weapons
9-9:50 AM	Toxic Gases as Terrorist Threats
10- 10:50 AM	Why are Cyanide & Fumigants so Worrisome
11-11:50 AM	Food, Water & Medication as Vehicles for Toxic Terrorism
11:50 AM-1 PM	Lunch on your own
1-1:50 PM	Clinical Neurotoxicology of Chemical Terrorism
2-2:50 PM	Terrorism by Fear & Uncertainty: Delayed Toxic Syndromes
3-3:50 PM	The Psychological Impact of Mass Exposures
4-4:50 PM	After Event Medical Monitoring: Pros & Cons
4:50-5 PM	Course Close Out, Q&A, Adjourn

Presenters:

Jeffrey Suchard MD, FACMT, FACEP
UC-Irvine Medical Center/ACMT

CAPT David Tanen MD, FACMT, FAAEM
Naval Medical Center-San Diego/ACMT

Ziad Kazzi MD, FAAEM, FACEP
Emory University/ACMT