

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 the Director
The Office of Terrorism Preparedness & Emergency
Response (OTPER)
National Center for Environmental Health / Agency for
Toxic Substances & Disease Registry (NCEH/ATSDR)
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 & Education (ORISE) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Oak Ridge Institute for Science and Education (ORISE) 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

*Radiological & Chemical
Agents of Opportunity
for Terrorism (AoO)
Toxic Industrial Chemicals (TICs), Toxic
Industrial Materials (TIMs) and Toxic
Radiological Materials (TRMs)*

19-20 January 2011

*No Charge for Course, Course
Materials, and CME Credit*

**Deadline for Registration in Order to
Receive a Course Manual:
31 December 2010**

Register On-Line at:
<https://orise.orau.gov/reacts/>



Course Specifics

**Emory Conference Center Hotel
1615 Clifton Road, Atlanta, GA
19-20 January 2011
7:45AM-5:00PM**

Link to the REAC/TS website for more complete information, registration form and direction to the venue: <https://orise.orau.gov/reacts/capabilities/continuing-medical-education/reacts-course-registration.asp>
Register by 31 December in order to receive a course manual at the course venue!
Registration begins 1 December.

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 2-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 Office of the Director of the National Center for Environmental Health and the Agency for Toxic Substances & Disease Registry (NCEH/ATSDR) at the Centers for Disease Control & Prevention (CDC) has supported independent development of a 1-day Agents of Opportunity (AoO) course by the ACMT and a 1-day course in Radiation Emergency Medicine (REM) by REAC/TS.

SCHEDULE - Day 1

7-7:45 AM	Complimentary Breakfast/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

SCHEDULE - Day 2

7-7:45 AM	Complimentary Continental Breakfast
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:

Doran Christensen DO
REAC/TS Associate Director & Staff Physician
Steve Sugarman MS CHP
REAC/TS Health Physics Project Manager
Mark Jenkins PhD CSP
REAC/TS Health Physicist
Rob Beauchamp RN BSN EMTP
REAC/TS Nurse/Paramedic
Becky Murdock
REAC/TS Health Physics Technician
Charles McKay MD
University of Connecticut/ACMT
Lewis Nelson MD
New York University/ACMT
Paul Wax MD
University of Texas, Southwestern/ACMT
Ziad Kazzi MD
Emory University/ACMT