



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:

- Medical Students, Nursing Students, Physician Assistant (PA) Students, Paramedic Students
- Primary Care Physicians - Emergency Medicine, Occupational, Family Practice, General Surgery, Internal Medicine, Others
- Medical Directors for the Emergency Medical Services (EMS) System
- Nurses, Nurse Practitioners, Nurse Clinicians
- Physician Assistants (PA)
- Medical Residents
- 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 12.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Lincoln Memorial University DeBusk College of Osteopathic Medicine has requested that the AOA Council on Continuing Medical Education approve this program for 12.5 credits of AOA Category 1-A CME credits. Approval is currently pending.

Free CME Course

Agents of Opportunity for Terrorism

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

**21-22 September
 2012**

No Charge for Course, Course Materials
 and CME Credit

Course Specifics

Lincoln Memorial University -

DeBusk College of Osteopathic Medicine

6965 Cumberland Gap Parkway
 Harrogate, Tennessee 37752

Registration Both Days 7:00-7:45 AM
 Friday & Saturday 7:45 AM-5:00 PM

Register On-Line at:

<http://alumni.LMUnet.edu/reacts>

Registration Deadline: 31 August 2012

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.

This course is recommended not only for the practicing nursing and medical communities, but also for medical students, physician assistant students, and nursing students to ensure that these soon-to-be graduated practitioners have adequate basic training in recognizing and managing such incidents. Participants learn basic toxicology principles (dose, route of exposure, toxidromes), the importance of risk communication, and access to resources - both during the course and subsequently. Early basic training in graduate health science education will ultimately reduce costs, maximize fund of knowledge at an early stage of development and promote direct application to real-world medicine, thus, benefiting 21st Century healthcare.

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 (OEHE), 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.

SCHEDULE - Day 1

7-7:45 AM	Sign In, Pre-Test
7:45 AM	Overview of the AoO Course
8-8:45 AM	Basic Ionizing Radiation Physics & Radiation Protection
8:45 - 9:30 AM	Acute Radiation Syndrome (ARS)
10-10:45 AM	Radiation Protection, Contamination Control & Instrumentation
10:45-11:30 AM	Acute Local Radiation Injury (LRI)
11:30 - 1 PM	Lunch on your own
1-1:45 PM	Emergency Department Protocols
1:45-2:30 PM	Common Sources of Radiation
3-3:45 PM	Management of Internal Contamination with Radioactive Materials
3:45-4:45 PM	Patient Preparation & Decontamination Procedures
4:45-5:00 PM	Q&A, Post-Test, Adjourn

Presenters:

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

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

Rob Beauchamps, RN
REAC/TS Staff

SCHEDULE - Day 2

7-7:45 AM	Sign In, Pre-Test
7:45 AM	Overview of Day 2
8-8:45 AM	Toxic Warfare: Beyond Conventional Chemical Terrorism
8:45-9:30 AM	The Clinical Neurotoxicology of Chemical Terrorism
10- 10:45 AM	Toxic Gases as Terrorist Threats
10:45-11:30 AM	Why are Cyanide & Fumigants so Worrisome
11:30 AM-1 PM	Lunch on your own
1-1:45 PM	Food, Water & Medications as Vehicles for Toxic Terrorism
1:45-2:30 PM	Terrorism by Fear & Uncertainty: Delayed Toxic Syndromes
3-3:45 PM	After Event Medical Monitoring: Pros & Cons
3:45-4:45 PM	The Psychological Impact of Mass Exposures
4:45-5:00 PM	Q&A, Post-Test, Adjourn

Vikas Kapil, DO
CDC/NCEH/ATSDR /Chief Medical Officer
Kurt Kleinschmidt, MD
ACMT/University of Texas Southwestern School of Medicine
Ziad Kazzi, MD
ACMT/CDC/Emory University School of Medicine
Richard Wang, DO
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