



Recognition & Initial Management of an Illness Cluster (RIMIC)

February 22, 2020

Background: Emergency providers and first responders are not familiar with the assessment and management of patients injured by or exposed to a chemical, biological or radiological agents. Although these incidents are relatively infrequent, they can have disastrous consequences and pose serious challenges to the healthcare system and clinical providers. In order to mount an effective response while maintaining provider safety, basic principles should be followed. These principles include appreciation of important agent-event-victim characteristics, toxidrome recognition and management, and proper use of personal protective equipment (PPE) and performance of decontamination when necessary.

Objectives:

- 1- Discuss properties of chemicals, radioactive materials and biological agents that determine the clinical hazard
- 2- Recognize major chemical, biological and radiological syndromes
- 3- Initiate management of patients with major syndromes
- 4- Don level C PPE
- 5- Receive and manage a patient contaminated with chemicals or radioactive materials
- 6- Receive and decontaminate a patient contaminated with radioactive materials

Description:

The course content is based on the core principle of recognizing potential chemical, biological, and radiological injuries when assessing an undifferentiated patient or cluster of illness. The didactic component approached these hazards and illnesses based on the major organs systems with clinical manifestations (skin, respiratory tract, GI tract and central nervous system). The practical session introduce important principles of emergency department preparedness such as the Emergency Treatment Area, use of personal protective equipment, reception of a patient contaminated with chemicals or radioactive materials, radiation contamination survey and decontamination.

Course Faculty:

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Associate Professor of Emergency Medicine and Medical Toxicology, Emory University
Adjunct Associate Professor of Emergency Medicine, American University of Beirut
President, MENATOX
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Dr. Bruno Megarbane

Professor at Paris-Diderot University

Head of the Department of Medical and Toxicological Critical Care in Lariboisière University

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Dr. Brent Morgan, FACMT, FAAEM, FACEP

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Dr. Andrew Nelson

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Dr. Paul Wax, FACMT

Professor Emergency Medicine

University of Texas-Southwestern

Executive Director, American College of Medical Toxicology

Agenda:

Time	Topic	Speaker
08:00 - 08:30	Registration and Breakfast	
08:30 - 09:00	Basic but Key Principles	Dr. Ziad Kazzi
09:00 - 09:45	Clusters with Gastrointestinal Complaints	Dr. Brent Morgan
09:45 - 10:15	Break	
10:15 - 11:00	Clusters with Skin Complaints	Dr. Ziad Kazzi
11:00 - 11:45	Clusters with Respiratory Complaints	Dr. Charles McKay
11:45 - 12:45	Lunch	
12:45 - 1:30	Clusters with Neurological Complaints	Dr. Paul Wax
1:30 - 2:15	Special Topics <ul style="list-style-type: none">- Ricin- Children are Not Little Adults- Paralytic Syndrome	<ul style="list-style-type: none">- Dr. Bruno Megarbane- Dr. RJ Hoffman - Dr. Badria Alhatali
2:15 – 3:00	Security Principles: Biological-Chemical-Radiological Hazards	Dr. Andrew Nelson
3:00 - 3:30	Break	
3:30 - 5:30	<ol style="list-style-type: none">1- Hospital Reception of Chemical Emergency Victims2- Biological Incident Modifiers3- PPE Demo4- Scenario-Based Discussion	<ol style="list-style-type: none">1- Dr. Anwar Al-Awadhi2- Dr. Ibtihal Alattas3- Mr. Mark Chambers Mr. Tim Conley4- Dr. Charles McKay Dr. Paul Wax Dr. Mohammed Almalki
5:30	Adjourn	