



Advanced
HAZMAT
Life Support

AHLS for Tox-Medics™

Tucson, AZ
May 22, 2025

Instructor: *Frank Walter, MD, FACEP, FACMT, FAACT*

- 12:45 PM **Sign-In/Independent Study of Textbook**
- 1:00 PM **Module 1:** Introduction to AHLS & Chemical Properties of Hazardous Materials
Case: House on Fire
- 1:20 PM **Module 2:** Personal Protective Equipment, Decontamination, Simple Asphyxiants, & Carbon Monoxide
Case: CO₂ Poisoning
- 1:40 PM **Module 3:** Irritant Gases & Hydrocarbons
Case: Rail Car Leak
Case: Oil Fields
- 2:20 PM **Module 4:** Hydrogen Cyanide
Case: Grenfell Fire
- 2:40 PM **Module 5:** Cholinergics & Vesicants
Case: Nerve Agent
Case: Sulfur Mustard Agent
- 3:20 PM **Module 6:** Opioids & Riot Control Agents
Case: The Moscow Theatre Siege
- 3:40 PM **Module 7:** Biological & Radiological Agents
Case: Anthrax Poisoning
Case: Theoretical Dirty Bomb
- 4:20 PM **Module 8:** Corrosives & Hydrofluoric Acid
Case: Acid Assault
Case: Hydrofluoric Acid
- 5:00 PM **Conclusion of Course**
Please complete the Course Evaluation & CE Credit Request before you leave.



Disclosure of Significant Relationships with Relevant Commercial Companies/Organizations

All faculty, planning committee members, and office reviewers have disclosed that they have no financial relationships with commercial interests that would constitute a conflict of interest concerning this activity.

Presenters



Presented by the University of Arizona College of Medicine – Tucson and the Arizona Emergency Medicine Research Center at the University of Arizona Health Sciences.

Continuing Education Statements

Commission on Accreditation for Pre-Hospital Continuing Education



The Commission on Accreditation for Pre-Hospital Continuing Education (CAPCE) is a continuing education (CE) accrediting body that services educational institutions, not-for-profit educational organizations, and for-profit companies that provide emergency medical services CE. This CE activity is accredited for **8 Advanced CEH** by the Arizona Emergency Medicine Research Center, an organization accredited by the Commission on Accreditation for Prehospital Continuing Education (CAPCE.)

CAPCE#: 24-AEMR-F2-0011 (Live)

CAPCE#: 24-AEMR-F5-0011 (Virtual)

Course Objectives

After completing **AHLS for Tox-Medics™ Refresher**, participants will be better able to:

- ◆ Describe the role of decontamination in the treatment of patients who have suffered potential chemical, biological or radiation, or nuclear exposure.
- ◆ Understand the properties of chlorine gas and how it produces symptoms.
- ◆ Demonstrate the procedure for administration of hydroxocobalamin to a patient with suspected exposure to hydrogen cyanide, and who has severe signs and symptoms.
- ◆ Recognize and discuss the pitfall of administration of nitrites and thiosulfate in house fire victims.
- ◆ Recognize the signs and symptoms of and describe the antidote treatment of organophosphate/carbamate/ nerve agent exposure.
- ◆ Demonstrate how to create a topical calcium gluconate gel for the treatment of hydrofluoric acid exposure.
- ◆ Recognize the treatment priorities of patients with traumatic injuries, with radiation or nuclear exposure.