



Treatment Protocol X01

Effective October 2019

Hazmat Exposure/Skin Exposure

For any hazardous material (chemical) exposure. May use with another primary impression (e.g., Inhalation Injury or Burns) when applicable

Radiation is a colorless, odorless, invisible toxin to the body. In small doses, it may have little effect on the body. In large doses, however, the affect on the body can be deadly. There is little that EMS providers can do for patients exposed to radiation other than provide supportive care. For patients who are exposed to external radiation, it is crucial that they are decontaminated prior to EMS contact, treatment, and transport.

External radiation exposure may result from a radiologic dispersant device, radiologic material release or radiological explosive device. It is critical to limit time your time to exposed patients.

Internal radiation may result from exposure through an open wound, injection, or inhalation of radioactive materials. These types of exposures are common in both patient diagnostic and treatment care. Internal radiation poses minimal to no risk to EMS providers.

Pearls

- For gaseous exposures, refer to appropriate respiratory protocols.
- Follow HAZMAT protocols for decontamination. Do not come into contact with or transport any contaminated patient.
- Salivation; Lacrimation; Urination (increased or loss of control); Defecation or diarrhea; GI upset (abdominal pain/cramping); Emesis; Muscle twitching.
- If triage/MCI issues exhaust supply of Nerve Agent Kits, of if they are not available, use Atropine as indicated.
- Each Nerve Agent Kit contains Pralidoxime and Atropine (Duodote).
- For patients with acute symptoms, there is no limit for Atropine dosing.
- Insecticides: Increased or decreased heart rate, increased secretions, nausea, vomiting, diarrhea, and pinpoint pupils. Consider restraints if necessary for patient's or personnel's protection per Restraint Procedure.
- Carefully evaluate patients to ensure they have not been exposed to another type of agent (e.g., narcotics, vesicants, etc.)
- The main symptom that Atropine addresses is excessive secretions, Atropine should be given until respiratory symptoms improves.

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