

	COUNTY OF SACRAMENTO EMERGENCY MEDICAL SERVICES AGENCY	Document #	8027.10
	PROGRAM DOCUMENT:	Initial Date:	10/24/01
	Nerve Agent Exposure	Last Approval Date:	11/01/16
		Effective Date:	05/01/19
		Next Review Date:	09/01/20

 EMS Medical Director

 EMS Administrator

Purpose:

- A. To serve as the treatment standard for treating patients suspected of Emergency Medical Technicians (EMT) and Paramedics in **Organophosphate** (nerve agent, **or pesticide**) exposure. Indications include exposures to organophosphate compounds that produce the clinical triad of Salivation, Lacrimation, and Rhinorrhea in the setting of pupillary miosis (small pupils).

Authority:

- A. California Health and Safety Code, Division 2.5
- B. California Code of Regulations, Title 22, Division 9

Indications:

- A. Signs and symptoms of Organophosphate Exposure (mild to severe) can produce:

1. Unexplained runny nose	8. Nausea/vomiting
2. Chest tightness	9. Abdominal cramps
3. Difficulty breathing	10. Involuntary urination/defecation
4. Bronchospasm	11. Headache
5. Pinpoint pupils/blurred vision	12. Coma
6. Drooling	13. Convulsions
7. Excessive sweating	14. Apnea
- B. SLUDGEM:

1. Salivation	5. GI distress
2. Lacrimation	6. Emesis
3. Urination	7. Miosis (small pupils)/muscle fasciculation
4. Defecation	

Special Considerations:

- A. This protocol is ~~NOT a standing order. Any Paramedic wishing to utilize this protocol MUST obtain an activation order from either a Base Hospital Physician or the County Emergency Medical Services Medical Director. Once activation is obtained, the entire protocol is a standing order that applies to all Paramedics operating at the incident. Base Hospital Physician order must be obtained prior to utilizing this protocol for patient treatment. Once an order is obtained, the entire protocol becomes a standing order. that applies to all EMS personnel operating at an incident.~~
- B. All victims shall be adequately decontaminated prior to transport.
- C. Use appropriate personal protective equipment.

- D. All medical procedures shall be performed outside the exclusion zone unless the medical responder is trained to function within that area.
- E. EMT-Basics may self-administer MARK I or DuoDote Auto-Injectors to themselves as per this protocol under ALS Treatment.
- F. Auto-injections are not to be used in children under 40Kg.
- G. ~~The Atropine (2 mg) and 2-PAM (Pralidoxime Chloride — 600 mg) auto-injectors included in MARK I Nerve Agent Antidote Kits or DuoDote Auto-Injectors (Atropine 2.1mg and 2-PAM 600mg) will be used only by those Paramedics that have been trained in their use and have them available. Atropine may be administered intramuscular (IM) or intravenously (IV) in situations where MARK I or DuoDote Nerve Agent Antidote Kits are not available.~~
- H. ~~Auto-injectors are NOT to be used in children under forty (40) Kg.~~
- I. ~~EMT personnel that have been trained and equipped may self-administer MARK I or DuoDote Auto-Injectors to themselves as per this protocol under ALS Treatment. under no circumstances are EMT personnel to administer any medications to others or self-administer medication in any other form than via auto-injectors under this protocol.~~

