

Subject: Treatment Guideline - ALS Provider
Nerve Agent Antidote Dosages

Associated Policies:

A. Authority and reference (incorporated herein by reference)

- A. Division 2.5 of the Health and Safety Code
- B. California Code of Regulations, Title 22
- C. North Coast Emergency Medical Services (NCEMS) Policies and Procedures

B. Procedure

1. Ensure personal safety.
2. Separate patient from causative agent.
 - a. Victim's clothing should be removed and isolated by personnel wearing proper personal protective equipment.
3. NOTES:
 - a. For severely affected patients, do rapid decontamination and provide treatment.
 - b. Victims should be decontaminated prior to transport whenever possible; patients with life threatening symptoms should receive rapid decontamination and transport.
4. ABCs/monitor cardiac rhythm.
5. **Check pupil size.**
6. Spinal immobilization if indicated.
7. IV access, rate titrated to perfusion as needed.

C. Nerve Agent Dosages

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Nerve Agent Antidote Dosages

Associated Policies:

Suspected Nerve Agent Exposure:

•Mild/Moderate Symptoms:

- Mark I kits (Atropine 2 mg auto-injector and Pralidoxime 600 mg auto-injector).
 - 1-2 Mark I kits, 1M at 10 minute intervals. Maximum 3 Mark I kits.
- *If Mark I kits not available:*
 - *Atropine: 2-4 mg IM/IV at 10 minute intervals as needed.*

•Severe Symptoms:

- Mark I kits (Atropine 2 mg auto-injector and Pralidoxime 600 mg auto-injector):
 - 3 Mark I kits, 1M in rapid succession.
- *If Mark I kits not available:*
 - *Atropine: 6 mg IM/IV repeat as needed.*

Elderly Patients (> 65 years of age) or those with underlying cardiovascular or renal disease:

- Atropine: 1.0 mg 1M. Repeat doses may be given at base direction; IM or IV.
 - Pralidoxime (2-PAM): 7.5 mg/kg 1M, maximum of 600 mg (one auto-injector) per dose.
- NOTE: Elderly patients must weigh at least 80 kg to receive 1 auto-injector of Pralidoxime.

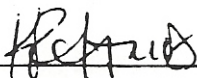
Pediatric Patients (< 12 years):

- Atropine - 0-2 years: 0.5 mg IM
 - \geq 2-12 years 1.mg IM
 - 0.02 mg/kg IVP, minimum of 0.1 IVP
- Pralidoxime (2-PAM) – 20 mg/kg IP or IVP

NOTE: Pediatric patients must weigh at least 30 kg to receive 1 auto-injector IM.

NOTES:

- If Pralidoxime (2-PAM) powder 1 Gm for reconstitution is available:
Reconstitute as directed by Base Hospital or use 20 ml sterile water without preservative to produce a concentration of 50 mg/mL.
Adult dose 1 Gm over 30 minutes IV of 600 mg-1Gm IM in divided injections if necessary.
>65 yrs 7.5 mg/kg IM or IV. Max IV dose 1 Gm over 30 minutes. May repeat once in 1 hr.
<12 yrs 20 mg/kg IM or IV. Max IV dose 1 Gm over 30 minutes. May repeat once in 1 hr.

Approved: 

Approved as to Form: 