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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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 1M/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
  - ≥ 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: _____