

ACETYLCHOLINESTERASE INHIBITOR EXPOSURE

HPI	Mild	Moderate	Severe
<ul style="list-style-type: none"> Nerve agent, carbamate, organophosphate, insecticide (tabun, sarin, soman, VX) Agricultural pesticides Industrial manufacturing products 	<ul style="list-style-type: none"> Pupil constriction (primary sign in vapor exposure, may not be present in all exposures) Severe rhinorrhea 	<ul style="list-style-type: none"> Nausea/vomiting Weakness Muscle fasciculations Localized swelling Shortness of breath 	<ul style="list-style-type: none"> Unconscious Convulsions Apnea or severe respiratory distress requiring assisted ventilation Flaccid paralysis

	EMR	EMT	PM
1. Ensure patient has been thoroughly decontaminated.	•	•	•
2. Provide Adult Routine Medical Care - treat life threatening problems with airway, breathing circulation and disability.	•	•	•
3. Administer ATROPINE IM or 2-PAM per tables below, based on patient presentation		•	•
4. Obtain ECG and/or 12 lead, monitor Capnography.		•	•

MILD:	ATROPINE auto-injector OR ATROPINE		600MG auto-injector OR 2-PAM	
0-2yrs (<13kg)	0.5 mg	0.05 mg/kg		
3-7yrs (13-25 kg)	1 mg	1 mg		
8-14yrs (26-50 kg)	2 mg	2 mg		
>14 yrs	2 mg	2 mg		
Pregnant	2 mg	2 mg		
Geriatric	1 mg	1 mg		

MODERATE:	ATROPINE auto-injector OR ATROPINE		600MG auto-injector OR 2-PAM	
0-2yrs (<13kg)	0.5 mg	0.05 mg/kg		15 mg/kg
3-7yrs (13-25 kg)	1 mg	1 mg	1	15 mg/kg
8-14yrs (26-50 kg)	2 mg	2 mg	1	15 mg/kg
>14 yrs	2-4 mg	2-4 mg	1	600 mg
Pregnant	2-4 mg	2-4 mg	1	600 mg
Geriatric	2 mg	2 mg	1	10 mg/kg

SEVERE:	ATROPINE auto-injector OR ATROPINE		600MG auto-injector OR 2-PAM	
0-2yrs (<13kg)	0.5 mg	0.1 mg/kg		45 mg/kg
3-7yrs (13-25 kg)	2 mg	0.1 mg/KG	1	45 mg/kg
8-14yrs (26-50 kg)	4 mg	4 mg	2	45 mg/kg
>14 yrs	6 mg	6 mg	3	1800 mg
Pregnant	6 mg	6 mg	3	1800 mg
Geriatric	2-4 mg	2-4 mg	2-3	25 mg/kg

PEARLS:

1. Clinical improvement based on drying of secretions and respiratory effort
2. Atropine is primary antidote; administer repeated doses liberally to patients who exhibit signs/symptoms until excessive secretions resolve.
3. Treat [Seizures](#) with benzodiazepines per SOP
4. Can give meds IV/IO; however, IM recommended eliminating delay establishing IV/IO.

NOTE:

1. If activating the Multiple Patient Management Plan - consider activation of [CHEMPACK Resources](#).