Southern Health		REGIONAL ADULT PARENTERAL DRUG MONOGRAPH									
		generic name pralidoxime									
Effective Date:	: Mar12-2014	CLASSIFICATION	OTHER NAMES		PAGE						
Revised Date: January 2025		Anticholinesterase antagonist	Protopam		1 of 3						
ADMINISTR	RATION POI										
IV Bolus – May be administered by a nurse experienced in ED/Cardiac Room/ICU											
IM Injection											
IV Infusion – May be administered by a nurse experienced in ED/Cardiac Room/ICU											
Subcutaneous – May be administered by a nurse experienced in ED/Cardiac Room/ICU											
RECONSTITUTION/DILUTION/ADMINISTRATION:											
Available as:	1 gram vi	al									
Strength	Volume of s	sterile water for injection*	Final concentration	Final volume							
1gram		20 mL	50 mg/mL	20 mL							
IV bolus: Administer undiluted over at least 5 minutes (maximum 200 mg/minute)											
IV intermittent: (preferred) Administer over 30 minutes											
Dose	Dose Preferred Diluent Volumes Bag size										
1 1	NaCl 0.9% or D5W										
ordered	100mL										
IV Infusion:Add 1000 mg (20 mL of 50 mg/mL) in 50 mL normal saline bag. Final volume: 70 mLFinal concentration: 14.3 mg/mL											
IM/Subcut:	Administ	er undiluted.									
Strength	Volume of s	sterile water for injection*	Final concentration	Final volume							
1gram		3.3 mL	300 mg/mL	3.3 mL							



REGIONAL ADULT PARENTERAL DRUG MONOGRAPH

GENERIC NAME **pralidoxime**

An mi On M Io I M/Subcutaneous : If O M Sy So P	V admin Anticholi ninutes a Drganoph Maintena oading d IM Prefe Organoph Mild sym Severe sy Persisten administi	as needed. <u>nosphate poisoning:</u> Load: 30 m ance: IV infusion at 8 to 10 mg dose within 1 to 2 hours then e erred to subcutaneous administ hosphate poisoning: 600 mg. H nptoms: every 15 minutes up to as develop ymptoms: repeat twice in rapid at symptoms: Repeat entire service ration of last injection. 2 grams 12 grams	k/kg/hour (maximum 650 mg/hour) OR very 4 to 6 hours as needed	oms: ccession if severe 800 mg
DOSAGE: Intravenous: IV <u>An</u> mi <u>On</u> M lo IM/Subcutaneous: IR O M Sy So Pe ac Maximum single dose: Maximum daily dose:	V admin <u>Anticholi</u> ninutes a <u>Drganoph</u> Maintena oading d IM Prefe Drganoph Mild syn Severe sy Persisten administr	istration preferred to IM <u>nesterase overdose:</u> 1 to 2 g IV is needed. <u>nosphate poisoning:</u> Load: 30 n ance: IV infusion at 8 to 10 mg dose within 1 to 2 hours then e erred to subcutaneous administ hosphate poisoning: 600 mg. I nptoms: every 15 minutes up to s develop ymptoms: repeat twice in rapid at symptoms: Repeat entire service ration of last injection. 2 grams 12 grams	ng/kg IV up to 2 g g/kg/hour (maximum 650 mg/hour) OR very 4 to 6 hours as needed ration Repeat dose based on severity of sympto o maximum of 1,800 mg or in rapid suc	v every 5 repeat oms: ccession if severe 800 mg
Intravenous: IV <u>An</u> mi <u>On</u> M lo IM/Subcutaneous: If O M Sy So A A Sy So A A M Sy So A A A M N A A M A A M A A M A A M A A M A A M A A M A A A M A A A M A A A M A A A M A A A A M A A A A A A A A A A A A A	Anticholi ninutes a <u>Organoph</u> Maintena oading d IM Prefe Organoph Mild syn Severe sy Persisten administr	nesterase overdose: 1 to 2 g IV is needed. <u>nosphate poisoning:</u> Load: 30 n ance: IV infusion at 8 to 10 mg dose within 1 to 2 hours then e erred to subcutaneous administ hosphate poisoning: 600 mg. I nptoms: every 15 minutes up to is develop ymptoms: repeat twice in rapid at symptoms: Repeat entire serv ration of last injection. 2 grams 12 grams	ng/kg IV up to 2 g g/kg/hour (maximum 650 mg/hour) OR very 4 to 6 hours as needed ration Repeat dose based on severity of sympto o maximum of 1,800 mg or in rapid suc	oms: ccession if severe 800 mg
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M lo IM/Subcutaneous: IN O M Sy So Pe ac Maximum single dose: Maximum daily dose:	Maintena oading d IM Prefe Organop! Mild syn Symptom Severe sy Persisten administi	ance: IV infusion at 8 to 10 mg dose within 1 to 2 hours then e erred to subcutaneous administ hosphate poisoning: 600 mg. I nptoms: every 15 minutes up to as develop ymptoms: repeat twice in rapid at symptoms: Repeat entire ser- ration of last injection. 2 grams 12 grams	k/kg/hour (maximum 650 mg/hour) OR very 4 to 6 hours as needed ration Repeat dose based on severity of sympto o maximum of 1,800 mg or in rapid suc I succession to delivery total dose of 1,8	oms: ccession if severe 800 mg
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Maximum daily dose:		12 grams		
Maximum rate:				
		IV bolus/IV intermittent:	200 mg/minute	
		IV infusion:	650 mg/hour	
Maximum concentration:		IV bolus/IV intermittent:	50 mg/mL	
		IV continuous:	20mg/mL	
		IM/subcut:	300 mg/mL	
STABILITY/COMPA	ATIBIL	ITY:		
Stability of reconstitut		•		
Stability of Final Adm	nixture:	Use immediately		
Compatibility:		Compatible with normal sal	ne	
	TENTI	AL ADVERSE REACTION		
• Although it is diffiatropine or the inset	ficult to of secticide	differentiate the side effects of itself, the following have been	pralidoxime administration from those n reported from large doses in normal v	
Dizziness, drowsin				
•	piopia, ii	mpaired accommodation		
NauseaTachycordia larwn	n	m mucolo risidity and transis	nt nouromucoulor blocks de suith regist	Winighting
• •		÷ •	nt neuromuscular blockade with rapid I	i v injection
• Mild pain at inject	tion site	with five injection		



REGIONAL ADULT PARENTERAL DRUG MONOGRAPH

GENERIC NAME pralidoxime

Effective Date: Mar12-2014	CLASSIFICATION	OTHER NAMES	PAGE				
	Anticholinesterase	Protopam	2 62				
Revised Date: January 2025	antagonist		3 of 3				
ADDITIONAL NOTES AND NURSING CONSIDERATIONS:							
Required monitoring							
o Reversal of symptoms of toxic exposure to organophosphate pesticides and chemicals (e.g. muscle							
fasciculations, weakness, paralysis, tachycardia, hypertension)							
 Continuous Cardiac 							
• Temperature, blood pressure, heart rate, respiratory rate and oxygen saturation at baseline and as							
clinically indicated							
• Pralidoxime for organophosphate poisoning must be administered with concurrent atropine in order to prevent							
worsening symptoms due to transient oxime-induced acetylcholinesterase inhibition.							
• Treatment is most effective if given within a few hours after poisoning							
Concomitant atropine use is needed in most cases of organophosphate poisoning							
• Therapeutic endpoint: control of muscle fasciculations, paralysis, respiratory failure							
• Reduce dose in renal insufficiency; however, no dosing guidelines are available							
• Use with caution in patients with myasthenia gravis who are receiving anticholinesterase agents							