

REGIONAL ADULT PARENTERAL DRUG MONOGRAPH

GENERIC NAME

neostigmine

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Effective Date: Dec 2012	CLA	SSIFICATION	OTHER NAMES	PAGE
	Ch	olinergic	Prostigmin	1 61
Revised Date: January 2025		_	_	1 of 1
ADMINISTRATION POLICY:				
IV Bolus - May be administered by a nurse experienced in ICU/PACU/ED				
IM Injection - May be administered by a nurse experienced in ICU/PACU/ED				
Subcutaneous - May be administered by a nurse experienced in ICU/PACU/ED				
RECONSTITUTION/DILUTION/ADMINISTRATION:				
Available as:	0.5 mg	mL & 1 mg/mL - 10 mL vial		
IV Bolus:	Administer undiluted slowly into an infusing IV over 2 to 3 minutes			
IM/Subcutaneous: Administer undiluted				
Maximum rate: 0.25 m		ng/minute		
Maximum concentration: 2.5 mg/r				
DOSAGE:				
Myasthenia Gravis Diagnosis:		IM/IV - 0.02 mg/kg		
				TT 7
Neuromuscular Blockade Antagonism:		dose varies depending on depth of blockage: 0.02 to 0.07 mg/kg IV		
		(must administer IV glycopyrrolate or atropine IMMEDIATELY PRIOR		
		to neostigmine to	avoid significant bradycardia) Repeat as nee	ded.
Maximum single dose:		5 mg (only for reversal of neuromuscular blockade)		
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STABILITY/COMPATIBILITY:				
Compatibility: Compatible with D5W and normal saline.				
PRECAUTIONS, POTENTIAL ADVERSE REACTIONS:				
• Cholinergic reactions: nausea and vomiting, diarrhea, salivation, gastrointestinal cramping, muscle cramps,				

• Cholinergic reactions: nausea and vomiting, diarrhea, salivation, gastrointestinal cramping, muscle cramps, fasciculations, bronchospasm, hypotension, bradycardia. Intravenous atropine may be needed to counteract these effects.

ADDITIONAL NOTES AND NURSING CONSIDERATIONS:

- Use with caution in patients with asthma, arrhythmias, epilepsy, hyperthyroidism, or peptic ulcer.
- In the diagnosis of myasthenia gravis, stop all anticholinesterase medications 8 hours prior to administration
- Elderly patients: May require dose reduction by 50% for patients with decreased renal function.