

SCOPE: CCT,	
MEDICATION:	NITROPRUSSIDE (Nipride, Nitropress)
INTERVENTION:	<p><u>Classification:</u> Vasodilator</p> <p><u>Actions:</u> Causes peripheral vasodilation by direct action on venous and arteriolar smooth muscle, thus reducing peripheral resistance; will increase cardiac output by decreasing afterload; reduces aortal and left ventricular impedance</p> <p><u>Contraindications:</u></p> <ul style="list-style-type: none"> • Treatment of compensatory hypertension (aortic coarctation, arteriovenous shunting) • Acute heart failure associated with reduced systemic vascular resistance (eg, septic shock) • Congenital (Leber's) optic atrophy or tobacco amblyopia • Recent use of sildenafil (Viagra/Revatio), tadalafil (Cialis), vardenafil (Levetra) <p><u>Precautions:</u></p> <ul style="list-style-type: none"> • Can cause profound hypotension • May elevate intracranial pressure; in patients whose intracranial pressure is already elevated • Cyanide toxicity can develop • Can cause a dose-dependent conversion of hemoglobin to methemoglobin <p><u>Concentration:</u> 50 mg/250 ml D5W, LR or NS</p> <p><u>Dosage:</u></p> <ol style="list-style-type: none"> I. <u>Acute Hypertension/Acute Decompensated heart failure/Aortic Emergencies:</u> <ol style="list-style-type: none"> a. Adult: <ol style="list-style-type: none"> i. IV/IO: 0.5-10 mcg/kg/min <p><u>Onset of Action:</u> <2 minutes</p> <p><u>Duration:</u> 1-10 minutes</p> <p><u>Adverse Effects:</u> Bradycardia, ECG changes, flushing, palpitations, severe hypotension, substernal pain, tachycardia, apprehension, dizziness, headache, increased intracranial pressure, restlessness, diaphoresis, localized erythematous streaking, skin rash</p> <p><u>Special Considerations:</u></p> <ol style="list-style-type: none"> I. Protect from light II. Must be administered by a pump

If this is a patient care policy, the information contained herein is used to provide guidance in the care of patients, but should not, and does not replace or preclude the use of clinical judgment.

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Revised Date:	
Effective Date: 06/01/18	Page 1 of 1