

**ORANGE COUNTY EMS
PARAMEDIC PHARMACOLOGY HANDBOOK**

MEDICATION: NITROGLYCERIN SPRAY	ADULT DOSE	PEDIATRIC DOSE	SIDE EFFECTS	PRECAUTIONS/COMMENTS
<p>CLASSIFICATION: Vasodilator</p> <p>MECHANISM OF ACTION:</p> <p>The following actions decrease myocardial oxygen demand and reduce chest pain from ischemia:</p> <ul style="list-style-type: none"> • Dilates coronary arteries. • Dilates venous vessels reducing blood return to the heart (reduces preload). • Dilates arterial vessels reducing peripheral vascular resistance (reduces afterload). <p>INDICATIONS:</p> <ul style="list-style-type: none"> • Chest pain. • CHF/pulmonary edema, moderate to severe. <p>DOSAGE FORM:</p> <ul style="list-style-type: none"> • 0.4 mg/metered dose spray oral/lingual, 13.8 gm • 0.4 mg/tab, bottle of 25 tabs 	<p><u>Chest Pain</u></p> <ul style="list-style-type: none"> • 0.4 mg SL if systolic BP \geq 90 <p><u>CHF</u></p> <ul style="list-style-type: none"> • 0.4 mg SL if systolic BP \geq 100 • 0.8 mg SL if systolic BP \geq 150 <hr/> <p>A maximum of 3 doses may be given at 3-5 minute intervals.</p>	<ul style="list-style-type: none"> • Not approved. 	<ul style="list-style-type: none"> • Headache. • Hypotension. • Reflex tachycardia. • Nausea, vomiting. 	<ul style="list-style-type: none"> • Use with caution if given with other vasodilators (<i>e.g.</i>, morphine). • BH may order administration of nitroglycerine > 3 doses. • Do not administer within 24 hours of Viagra® ingestion except upon direction of BH physician.

Ben Hymon