



## Section 13: Appendix 1: Medications

### NITROGLYCERINE (NITRO-STAT)

Pregnancy Category - C

E	EMT	E
A	AEMT	A
P	PARAMEDIC	P

<b>ACTIONS</b>	<ol style="list-style-type: none"> <li>1. Vasodilatation</li> <li>2. Coronary artery dilation</li> <li>3. Decreases myocardial oxygen demand</li> <li>4. Decreases vascular resistance</li> </ol>
<b>INDICATIONS</b>	<ol style="list-style-type: none"> <li>1. Suspected ischemic chest pain / AMI</li> <li>2. Hypertensive emergency with signs and symptoms of ACS</li> <li>3. Pulmonary edema</li> </ol>
<b>CONTRAINDICATIONS</b>	<ol style="list-style-type: none"> <li>1. Hypotension</li> <li>2. Known hypersensitivity</li> <li>3. Use of Viagra or similar erectile dysfunction medications within 48 hours</li> </ol>
<b>PRECAUTIONS</b>	<ol style="list-style-type: none"> <li>1. Use caution in patients with inferior wall MI (Elevation in leads II, III, AVF)</li> <li>2. Avoid use in patients with increased intracranial pressure or glaucoma</li> <li>3. If the patient becomes hypotensive after nitroglycerine administration, then place the patient in a semi-reclined position with legs elevated and give IV normal saline bolus</li> </ol>
<b>SIDE EFFECTS</b>	<ol style="list-style-type: none"> <li>1. Hypotension</li> <li>2. Throbbing headache</li> <li>3. Lightheadedness / dizziness</li> <li>4. Syncope</li> </ol>
<b>SUPPLIED</b>	0.4 mg SL tablet
<b>ADULT DOSAGE</b>	<p><b>Cardiac Chest Discomfort / AMI:</b> 0.4 mg SL (may be repeated up to 3 doses total) <b>EMT CONTACT MEDICAL CONTROL</b></p> <p><b>Pulmonary Edema / CHF:</b> 0.4 mg SL (may be repeated up to 3 doses total)</p> <p><b>Esophageal Foreign Body:</b> 0.4 mg SL</p>
<b>PEDIATRIC DOSAGE</b>	Not recommended in prehospital setting
<b>KEY POINTS</b>	<ul style="list-style-type: none"> <li>• May repeat up to 3 doses if B/P systolic &gt; 110 with IV or 120 without IV</li> <li>• Assure that patient does not chew or swallow tablets</li> </ul>
<b>PROTOCOL USE</b>	<ul style="list-style-type: none"> <li>• Acute Coronary Symptoms</li> <li>• Adult Esophageal Foreign Body Obstruction</li> </ul>