

# Nitroglycerin

<b><u>Generic Name:</u></b>	<b><u>Brand Name:</u></b>	<b><u>Drug Class:</u></b>
Nitroglycerin	Nitrolingual, Nitrostat, Nitro-bid, Nitrol	Nitrate
<b><u>Mechanism of Action:</u></b>	<b><u>Time to Onset:</u></b>	<b><u>Duration of Effects:</u></b>
Converts to nitric oxide in the body, leading to relaxation of smooth muscle in blood vessels	IV: Immediate SL: 1-3 minutes TD: 15 minutes	IV: Continuous during delivery PO: 5 minutes TD: Continuous
<b><u>Indications:</u></b>	<b><u>Contraindications:</u></b>	<b><u>Possible Side Effects:</u></b>
<ul style="list-style-type: none"> <li>• Cardiac related chest pain</li> <li>• Cardiogenic pulmonary edema</li> </ul>	<ul style="list-style-type: none"> <li>• Hypotension</li> <li>• Bradycardia</li> <li>• Recent use of PDE inhibitors (-afil)</li> <li>• Suspected increased ICP</li> </ul>	<ul style="list-style-type: none"> <li>• Headache</li> <li>• Dizziness</li> <li>• Hypotension</li> <li>• Tachycardia</li> </ul>
<b><u>Administration Route:</u></b>	<b><u>Adult dose:</u></b>	<b><u>Pediatric dose:</u></b>
<ul style="list-style-type: none"> <li>• IV</li> <li>• SL</li> <li>• TD</li> </ul>	<ul style="list-style-type: none"> <li>• IV: 10mcg/min, titrated to effect</li> <li>• SL: 0.4 mg, can be repeated every 5 minutes (max 1.2 mg)</li> <li>• TD: 0.5-2 inches</li> </ul>	Not recommended
Right-sided involvement during an active STEMI (ST-elevated myocardial infarction) is not an automatic contraindication for administration of this medication. Patients that respond positively to a fluid challenge can receive this medication for pain relief.		