

Nitroglycerin

Generic Name: Nitroglycerin
Trade Name: Nitrostat, Nitro-Bid, Tridil
Classification: nitrate, anti-anginal, vasodilator
Supplied: 0.3 mg tabs SL, 0.4 mg/spray SL
<p>Actions (Pharmacodynamics):</p> <ul style="list-style-type: none"> • Antianginal: relaxes vascular smooth muscle of both venous and arterial beds, resulting in a net decrease in the myocardial oxygen consumption. It also dilates coronary vessels, leading to redistribution of blood flow to ischemic tissue and improves collateral circulation • Vasodilating: dilates peripheral vessels, decreasing venous return to the heart (preload) useful in treating pulmonary edema and heart failure. Arterial vasodilation decreases afterload, thereby decreasing left ventricular work and aiding the failing heart
<p>Indications:</p> <ul style="list-style-type: none"> • Acute coronary syndromes (pain & ischemia with AMI without hypotension) • Suspected ischemic cardiac pain
<p>Dosage: Adult: SL 0.3 mg tab or 0.4 mg spray q 5 minute intervals (prn) *Note: as long as BP remains > 100 mmHg</p>
Route: sublingual spray or tablet
<p>Contraindications:</p> <ul style="list-style-type: none"> • Hypersensitivity to nitrates • Unable to initiate IV • Increased intracranial pressure • Hypotension • Uncorrected hypovolemia • Suspected cardiac tamponade or pericarditis • Sildenafil (Viagra, Cialis) or similar generic drug use within 72 hours • Avoid use in extreme bradycardia (<50 bpm) or severe tachycardia (> 180 bpm) • Important! Right ventricular infarction: use with Extreme Caution- if at all!
<p>Note:</p> <ul style="list-style-type: none"> • *PCP Nitro Administration PCPs will withhold all forms of nitro if not equipped to obtain a 12-lead ECG or the computer generated 12-lead interpretation has any message in capital letters indicating a STEMI (e.g. STEMI, ACUTE MI, SUSPECTED, ST ELEVATION CRITERIA MET) <p>Although not common to prehospital care, nitroglycerine can also be found in the form of a paste and a patch</p> <ul style="list-style-type: none"> • In the event a patient presents with a Nitro patch already in place, remove the patch and administer Nitroglycerine spray or tabs as per local protocol • Also remove any nitro patches before application or use of an AED