



El Dorado County Emergency Medical Services Agency

Quick Reference

Revised Date: July 1, 2020

Medication Profile

Nitroglycerin (Nitrostat, Nitrobid)

Class:

Antiangular
Vasodilator

Action:

Dilation of vascular smooth muscle.
Decrease peripheral arterial resistance (afterload).
Decrease in venous blood return (preload).
Decrease BP and workload on the heart with decreased O₂ demand.
Redistribution of coronary blood flow (dilation) improving the supply of O₂ to the hypoxic area through collateral coronary vessels.

Onset: 1-5 minutes

Peak: 1-5 minutes

Duration: 10-60 minutes

Adult Administration:

0.4mg SL (1spray/1tab). May Repeat every 5 minutes (Max 3 doses)
• Contact base for additional doses

Transdermal:

1" of NTG paste placed on applicator and applied to bare skin. (Left Chest preferred site)

Pediatric Administration:

Not recommended for prehospital use

Indications:

Chest pain/discomfort with suspected cardiac origin
CHF/Pulmonary edema

Contraindications:

Hypersensitivity/allergy
Increased intracranial pressure
Hypotension
Patients that have taken erectile dysfunction medications within the past 24-hours. May encounter patients taking similar medications for pulmonary hypertension. (Viagra, Cialis, Levitra, stendra, staxyn, sildenafil, avanafil, tadalafil, vardenafil).

Side Effects:

CV: Postural hypotension, tachycardia, CV collapse CNS:
Headache, dizziness, flushing, vertigo, weakness GI:
Nausea, vomiting, abdominal pain
INTEG: Pallor, sweating, rash, flushing

Pregnancy:

Category C

Notes:

- Healthcare provider may experience adverse effects if accidentally inhaled or absorbed.
- If complications occur such as hypotension, or the need to cardiovert or defibrillate arises you should remove the applicator and wipe the area clean with a towel or guaze