

NITROGLYCERIN (NITROSTAT, NITROQUICK, ETC...)

Description

Short-acting peripheral venodilator decreasing cardiac preload and afterload.

Indications

- Chest, arm, neck pain or discomfort due to suspected Acute Coronary Syndrome
 - Pulmonary edema due to congestive heart failure
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Contraindications

- Suspected right ventricular ST-segment elevation MI (Inferior STEMI pattern plus ST elevation in right sided-precordial leads)
 - Hypotension SBP < 100
 - Recent (24 hour) use of erectile dysfunction (ED) medication (e.g. Viagra, Cialis, Levitra)
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Adverse Reactions

- Hypotension
 - Headache
 - Syncope
 - Flushing
 - Burning under the tongue
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Dosage and Administration

- **Chest Pain:** 0.4 mg sublingual spray, every 5 minutes, PRN up to a total of 3 doses for persistent Chest Pain
 - **Pulmonary Edema:** 0.4 mg sublingually, every 5 minutes PRN titrated to symptoms and blood pressure
 - **Nitropaste:** Typically, 1 inch of 2% ointment topically for transdermal absorption.
 - If the patient requires cardioversion or pacing, avoid placing paddles or defibrillator or pacing pads near Nitro patch. It may be necessary to remove Nitro patch and wipe off skin prior to placing paddles or patches before cardioversion or pacing.
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Onset & Duration

- Onset: 1-3 min.
 - Duration: 20-30 min.
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Protocol

- Adult Chest Pain
- CHF/Pulmonary Edema
- EMTs only administer Nitroglycerin prescribed for the patient and with verbal orders from medical control.