

Initial Date: 07/19/2023

Revised Date:

Section: 9-37R

Nitroglycerin

Pharmacological Category: Antianginal Agent; Vasodilator

Routes: SL

Indications:

1. Cardiac pain
2. Pulmonary edema

Contraindications:

1. Use of erectile dysfunction medications in previous 48 hours.
2. Use of medication to treat pulmonary hypertension in previous 48 hours
3. BP < 120 mm Hg without IV access
4. BP < 100 mm Hg with IV access

Expected effects:

1. Decreased blood pressure
2. Relief of chest pain

Side effects:

1. Headache
2. Flushing
3. Hypotension

Dosing: PULMONARY EDEMA/CARDIOGENIC SHOCK

Indication: Pulmonary edema

Adults administer:

1. Nitroglycerin 0.4 mg SL (without IV access) maximum of 3 doses.
2. Nitroglycerin 0.4 mg SL (with IV access) every 3-5 minutes

Dosing: CHEST PAIN/ACUTE CORONARY SYNDROME

Indication: Cardiac chest pain

Adults administer:

1. Nitroglycerin 0.4 mg SL (without IV access) maximum of 3 doses.
2. Nitroglycerin 0.4 mg SL (with IV access) every 3-5 minutes

Used in the Following Protocols:

Pulmonary Edema/Cardiogenic Shock (Section 5 Adult Cardiac)

Chest Pain/Acute Coronary Syndrome (Section 5 Adult Cardiac)