

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)