

MEDICATION REFERENCE LIST

NITROGLYCERINE (TRIDIL)

1. **Classification:** Nitrate, vasodilator, antianginal
2. **Physiological Effect:** Relaxes vascular smooth muscle with a resultant decrease in venous return and decrease in arterial BP, which reduces left ventricular workload and decreases myocardial oxygen consumption
3. **Indications:**
 - 3.1. **STEMI**
 - 3.2. **Acute angina**
 - 3.3. **Angina unresponsive to recommended doses of sublingual nitrates or beta-blockers**
 - 3.4. **CHF**
4. **Primary Contraindication:**
 - 4.1. **Contraindicated with allergy to nitrates, severe anemia, head trauma, cerebral hemorrhage, hypertrophic cardiomyopathy, pregnancy**
 - 4.2. **Recent (within 12 hour) use of the following medications: Viagra, Cialis, Levitra**
 - 4.3. **SBP less than 90 systolic**
 - 4.4. **HR less than 50 BPM**
 - 4.5. **HR greater than 100 BPM**
5. **Relative Contraindications:**
 - 5.1. **Inferior Wall infarction: 50% of these pt.s have RV failure with signs and symptoms of hypotension and clear lung fields**
 - 5.2. **Use cautiously with hepatic or renal disease, hypotension or hypovolemia, increased intracranial pressure, constrictive pericarditis, pericardial tamponade**
6. **Administration and Dosage:**
 - 6.1. **AMI/Ischemic Chest Pain:** Initial dose: 5 mcg/min delivered through an infusion pump. Increase by 5-mcg/min-increments every 3–5 min as needed up to 20 mcg/min. At 20mcg/min, increase by 10 mcg/kg increments. Doses of 20 mcg/min are rare and generally speaking, once this dose is achieved and there is no relief, using higher doses usually does not give desired results. Once chest discomfort is relieved or a desired response is obtained, monitor the patient.
 - 6.2. **CHF:** Initial dose of 50 mcg/min delivered via infusion pump. Increase by 5 mcg/min increments every 3-5 minutes as needed.
7. **Side Effects:**
 - 7.1. **Headache**
 - 7.2. **Hypotension**
 - 7.3. **Palpitations**
8. **Additional Information:**
 - 8.1. **Mix 50 mg of Tridil in 250 cc D5W. This will yield a concentration of 200mcg/ml.**
 - 8.1.1. **After mixing the Tridil into the D5W, cover the bag with foil or other protective device as it is light sensitive.**
 - 8.2. **Use the Lo-Sorb Mini Med tubing and prime it.**
 - 8.3. **The tubing should be connected to the IV catheter hub, not inline with the other tubing.**
 - 8.4. **Use the following chart to determine drip rate:**

mcg/min	ml/hr	mcg/min	ml/hr	mcg/min	ml/hr
5	1.5	55	16.5	105	31.5
10	3	60	18	110	33
15	4.5	65	19.5	115	34.5
20	6	70	21	120	36
25	7.5	75	22.5	125	37.5
30	9	80	24	130	39

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35	10.5	85	25.5	135	40.5
40	12	90	27	140	42
45	13.5	95	28.5	145	43.5
50	15	100	30	150	45