

## MICU Treatment Protocols

**Nitroglycerin (Nitro-Bid IV, Nitrostat IV, Tridil)**

Indications: Angina, acute MI, CHF with pulmonary edema

Contra-indications: Hypotension, hypersensitivity, recent Viagra use

Adverse Effects: Headache, flushing, hypotension, reflex tachycardia, bradycardia

Administration: **ORAL:** 0.4 mg tab sublingual, may repeat every 5 minutes to a maximum of 3 doses. **DRIP:** **Mix 25 mg Nitroglycerin in 250 ml of NS.** Start infusion at 10-20 mcg/min and increase by 5-10 mcg/min every 5 minutes, titrating for pain and symptomatic relief while maintaining systolic BP > 90. Maximum rate of 200 mcg/min.

<u>dose in (mcg/min)</u>	<u>ml/hr</u>	<u>dose in (mcg/min)</u>	<u>ml/hr</u>	<u>dose in (mcg/min)</u>	<u>ml/hr</u>
5 mcg	3 ml	70 mcg	42 ml	135 mcg	81 ml
10 mcg	6 ml	75 mcg	45 ml	140 mcg	84 ml
15 mcg	9 ml	80 mcg	48 ml	145 mcg	87 ml
20 mcg	12 ml	85 mcg	51 ml	150 mcg	90 ml
25 mcg	15 ml	90 mcg	54 ml	155 mcg	93 ml
30 mcg	18 ml	95 mcg	57 ml	160 mcg	96 ml
35 mcg	21 ml	100 mcg	60 ml	165 mcg	99 ml
40 mcg	24 ml	105 mcg	63 ml	170 mcg	102 ml
45 mcg	27 ml	110 mcg	66 ml	175 mcg	105 ml
50 mcg	30 ml	115 mcg	69 ml	180 mcg	108 ml
55 mcg	33 ml	120 mcg	72 ml	185 mcg	111 ml
60 mcg	36 ml	125 mcg	75 ml	190 mcg	114 ml
65 mcg	39 ml	130 mcg	78 ml	195 mcg	120 ml

MICU Directives:

1. Follow generalized protocol for MICU transports.
2. Monitor vital signs every 5 minutes during titration, every 15 minutes when held at a stable dose.
3. Maintain appropriate delivery by IV infusion pump.
4. Continue to reassess patient for symptomatic improvement. Decrease or discontinue infusion if patient develops severe adverse effects.

MCA Approved	05/01	07/02		
Implement	05/01	01/03		