

MICU Treatment Protocols

Chest Pain

Indications: MICU patients with active chest pain or anginal equivalent pain

Administration of Nitroglycerin: Mix nitroglycerin 25 mg in 250ml of normal saline. Begin infusion at 10-20 mcg/min and increase 5-10 mcg, q min, titrating for pain while maintaining systolic BP > 90. Maximum rate of 200 mcg/min.

<i>dose in (mcg/min)</i>	<i>ml/hr</i>	<i>dose in (mcg/min)</i>	<i>ml/hr</i>	<i>dose in (mcg/min)</i>	<i>ml/hr</i>
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	115 ml
65 mcg	39 ml	130 mcg	78 ml	200 mcg	120 ml

Contraindications: Hypotension, hypersensitivity

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

Administration of Morphine: Initial dose 2-6mg IVP. Continue in 2mg increments, q 5 min as needed or until pain is relieved while maintaining systolic BP > 90.

Contraindications: Hypotension, hypersensitivity, suspected head or abdominal injury, non-vented patients with respiratory depression.

Adverse effects: Respiratory depression, hypotension or bradycardia. **Have naloxone available to reverse effects if necessary.** The hypotensive effects of nitroglycerine are worsened in patients on VIAGRA.

MICU Directives:

1. Follow generalized protocol for MICU patients.
2. Maintain vital signs within 5 minutes of administration every 15 minutes when stabilized or pain free.
3. Maintain delivery by IV infusion pump.
4. Continue to reassess patient for symptomatic improvement. Decrease or discontinue NTG if patient develops hypotension.
5. Suggest 325 mg mg of baby aspirin PO as indicated on all MI patients.

9-07

MCA Approved	07/02			
Implement	01/03			