

MICU Treatment Protocols

Dopamine (Inotropin)

Indications: Non-hypovolemic hypotension unresolved by fluid challenge.

Administration: Mix 400 mg Dopamine in 250 cc of 0.9% NS or 5% Dextrose in water. Start administering at 5 mcg/kg/min. Increase in 5 mcg/kg/min increments. Titrate until patient's systolic BP is > 90 mmHg or maximum dose of 20 mcg/kg/min is reached (Dopamine is contra-indicated in hypovolemia).

Patient Weight

| <u>mcg/kg/min</u> | <u>2.5 kg</u> | <u>5 kg</u> | <u>10 kg</u> | <u>20 kg</u> | <u>30 kg</u> | <u>40 kg</u> | <u>50 kg</u> | <u>60 kg</u> | <u>70 kg</u> | <u>80 kg</u> | <u>90 kg</u> | <u>100 kg</u> |
|-------------------|---------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| <u>2 mcg</u> | | | | <u>1.5</u> | <u>2</u> | <u>3</u> | <u>4</u> | <u>5</u> | <u>5</u> | <u>6</u> | <u>7</u> | <u>8</u> |
| <u>5 mcg</u> | | <u>1</u> | <u>2</u> | <u>4</u> | <u>6</u> | <u>8</u> | <u>9</u> | <u>11</u> | <u>13</u> | <u>15</u> | <u>17</u> | <u>19</u> |
| <u>10 mcg</u> | <u>1</u> | <u>2</u> | <u>4</u> | <u>8</u> | <u>11</u> | <u>15</u> | <u>19</u> | <u>23</u> | <u>26</u> | <u>30</u> | <u>34</u> | <u>38</u> |
| <u>15 mcg</u> | <u>1.4</u> | <u>3</u> | <u>6</u> | <u>11</u> | <u>17</u> | <u>23</u> | <u>28</u> | <u>34</u> | <u>39</u> | <u>45</u> | <u>51</u> | <u>56</u> |
| <u>20 mcg</u> | <u>2</u> | <u>4</u> | <u>8</u> | <u>15</u> | <u>23</u> | <u>30</u> | <u>38</u> | <u>45</u> | <u>53</u> | <u>60</u> | <u>68</u> | <u>75</u> |

ml/hr

MICU Directives:

1. Follow generalized protocol for MICU transports.
2. If possible, administer through large vein (i.e., antecubital), central line is preferred.
3. Monitor blood pressure every 5-10 minutes.
4. Frequently assess for undesirable effects of increased preload and afterload.
5. Caution in use in patients with MI, as may increase infarct.
6. If an invasive arterial line monitoring device is present and compatible with MICU equipment, continue monitoring during transport.

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