

Jackson County Medical Control Authority
MICU Protocols
PHENYLEPHRINE (NEOSYNEPHRINE)

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Phenylephrine (Neosynephrine)

- Indications:** Shock, Spinal shock, spinal anesthesia
- Actions:** Stimulates smooth muscle alpha adrenergic receptors
- Contra-indications:** Hypersensitivity, severe hypertension, ventricular tachycardia (Phenylephrine is generally contraindicated in hypovolemia).
- Adverse Effects:** Arrhythmia, AMI, Asthma exacerbation.
Hypertension, tachycardia, palpitations, headache, PVC=s,
arrhythmias, tissue necrosis, excitability.
- Administration:** 100 – 180 mcg/min IV infusion. Titrate until patient=s systolic BP is > 90 mmHg or meets treatment goals. Maintenance IV drip is 40 – 60 mcg/min.

MICU Directives:

1. Follow generalized protocol for MICU transports.
2. If possible, administer through large vein (i.e., antecubital), central line is preferred. A second peripheral line of NS is also preferred.
3. Titrate drip to meet treatment goals.
4. Monitor blood pressure every 5-10 minutes.
5. Frequently assess for undesirable effects, decrease or discontinue drip if adverse reactions occur.
6. Caution in use with patients with MI, as may increase infarct.