**Class and Action:** Peripheral vasoconstrictor, vasopressor; stimulates $\alpha$ receptors to result in potent arterial and venous vasoconstriction, also stimulates $\beta_1$ receptors to increase cardiac contractility and cardiac output.

**Indications:** Hemodynamically significant hypotension

**Contraindications:** Hypersensitivity, hypovolemia, myocardial ischemia/infarction, pregnancy

**Side Effects:** headache, vertigo, bradycardia, hypertension, arrhythmias, chest pain, renal failure, hypoglycemia, dyspnea, tissue necrosis.

**Drug Interactions:** $\beta$ blockers and atropine

**Onset, Duration, and Routes:** Onset is 1-2 minutes with a duration of 1-2 minutes after infusion is finished. Routes of administration include IV or IO.

**Adult Dose:**
- Infusion 0.05 - 1.0 mcg/kg/min, titrate as needed

**Pediatric Dose:**
- Infusion 0.05 - 1.0 mcg/kg/min, titrate as needed

**WDM EMS Protocols:**
**C12. Shock**

**Special Considerations:**
- If available, infused through a central line

Date of Most Recent Update: 6/2020