

Norepinephrine (Levophed, Nor-Epi)

<u>Adult Symptomatic Bradycardia</u> <u>Adult Congestive Heart Failure / Pulmonary Edema</u> <u>Ventricular Assist Device (VAD)</u> <u>Adult Allergic Reaction/Anaphylaxis</u> <u>Adult Bites / Envenomation</u> <u>Adult Sepsis/Shock</u> <u>Adult Post-Resuscitation Cardiac Arrest Care</u> <u>Adult Drug Overdose</u>		
P	Adult	4mcg/min IV/IO infusion. Increase by 2mcg/min q1min to a max of 16mcg/min.
<u>Pediatric Post-Resuscitation Cardiac Arrest Care</u> <u>Pediatric Sepsis/Septic Shock</u> <u>Pediatric Allergic Reaction/Anaphylaxis</u> <u>Pediatric Bites / Envenomations</u> <u>Pediatric Drug Overdose</u>		
P	Pediatric	Start at 0.1mcg/kg/min. Titrate 0.1mcg/kg/min q1min to max of 1.5 mcg/kg/min or 16mcg/min, whichever is lowest.

KEY POINTS

Drug Mixing and Administration:

See [Mixing of Vasopressors](#)

Clinical Considerations:

See [Vasopressors](#)

Class:

- Sympathomimetic, Vasopressor

Description of Use:

- Primarily acts on alpha-adrenergic receptors to produce constriction of resistance and capacitance vessels causing an increase in systemic blood pressure and coronary artery blood flow

Pharmacokinetics (IV):

- Onset: Rapid
- Peak: 1-2 mins
- Duration: N/A

Special Populations:

- Pregnancy Class: C
- Children: No age related precautions noted
- Elderly: No age related precautions noted

Contraindications:

- Hypovolemia, mesenteric/peripheral vascular thrombosis, profound hypoxia
- Cautions: Severe cardiac disease, hypertension, hypothyroidism, MAOI prescription

Adverse reactions:

- Extravasation produces dangerous tissue necrosis
- Toxic effects include severe hypertension, violent headache, arrhythmias, photophobia, retrosternal or pharyngeal pain, pallor, diaphoresis, vomiting
- Plasma volume depletion. Rebound hypotension if intravascular volume is not maintained