

EPINEPHRINE 1:10,000, 1:1,000

Protocols: Multiple

- **Type of drug:** B-1 and B-2 agonist.
- **Mechanism of Action:** Stimulates alpha and beta adrenergic receptors causing bronchodilation, cardiac and CNS stimulation.
- **Indications:** Acute asthma attacks, severe allergic reactions, cardiac arrest, sinus bradycardia causing severe hypotension.
- **Contraindications:** None in cardiac arrest.
- **Precautions:** Cardiac disorders, hypertension, elderly.
- **Route and Dosage:** onset usually ~ 90 seconds
- Pediatric Resp. Distress: 1st Wheezing episode not responsive to Albuterol/Atrovent or Stridor, Epinephrine 1:1000 Nebulized 1 mg in 2 mL NS
- Anaphylactic reaction: Epinephrine 1:1000 0.3 mg IM, Repeat in 5 minutes 0.5 mg IM if no improvement ; Pediatric \leq 30 kg 0.15 mg IM, \geq 30 kg 0.3 mg IM
- Cardiac Arrest: Adult 1 mg IV/IO/ETT q 5 min. (1:10,000 solution); Pediatric 0.01 mg/kg.
- **Adverse reactions and side effects:** cerebral hemorrhage, palpitations, tachycardia, dysrhythmias