



# CHARLOTTESVILLE-ALBEMARLE RESCUE SQUAD

## Clinical Review and Training

### Atropine Sulfate

**Class:** Anticholinergic

**Indications**

**Skill Level: I/P**

- Bradycardia with hypotension
- Asystole
- Pulseless electrical activity (PEA) with rate less than 60 per minute and QRS less than 0.12 seconds
- Severe organophosphate poisonings

**Contraindications**

- None in emergency situations
- Use with caution in acute myocardial infarctions

**Mechanism of Action**

- Blocks acetylcholine receptors
- Increases conduction through the AV node

**Pharmacokinetics**

- Onset: Immediate
- Peak Effects: 2-4 minutes
- Duration: 4 hours
- Half-life: 2-3 hours

**Side Effects**

- Blurred vision
- Headache
- Dilated pupils
- Tachycardia
- Thirst

**Dosage**

- Bradycardia/Asystole/ PEA: **1 mg IV**
- Pediatric: **0.02 mg/kg**
- Organophosphate poisoning: **0.05 mg/kg IV, double every 5-10 minutes**

**Supplied**

- 1 mg/10 mL