# ATROPINE SULFATE

**CLASS**  
Parasympathetic blocker; anti-cholinergic

**ACTION**  
- Increases the heart rate (positive chronotrope) by binding to muscarinic receptor sites to block the action of acetylcholine.  
- Enhances both sinus node automaticity and atrioventricular conduction.

**INDICATIONS**  
- Symptomatic bradycardia  
- Asystole  
- Pulseless Electrical activity (PEA) with rate less than 60  
- Organophosphate poisoning

**CONTRAINDICATIONS**  
- Use with caution in high degree heart blocks with wide QRS  
- Use with caution in the patient with MI as an increase in heart rate could increase cardiac workload

**PRECAUTIONS**  
A dose less than 0.5 mg in the adult could result in paradoxical slowing of the heart rate.

**SIDE EFFECTS**  
- Tachycardia  
- Hypertension  
- Palpitations  
- Headache  
- Blurred vision  
- Dilated pupils  
- Dry mouth  
- Confusion  
- Drowsiness

**ROUTE**  
- IV push  
- Endotracheal

**DOSE**  
- Symptomatic bradycardia: 0.5 mg every 5 minutes to maximum dose of 3 mg.  
- Asystole/PEA: 1 mg every 3-5 minutes to maximum dose of 3 mg.  
- Organophosphate poisoning: 2-5 mg IVP

**PEDIATRIC DOSE**  
- 0.02 mg/kg  
- Minimum single dose is 0.1 mg.  
- Maximum single dose 0.5 mg  
- May repeat once  
- Use Broselow tape or pediatric weight based dosing chart to confirm dose.  
- Reference policy PED-3.2

**ONSET**  
2 to 5 minutes

**DURATION**  
20 minutes

**STOCK**  
(5) 1 mg/10 mL Abbojects