

## ATROPINE

**Additional Names:** Atropisol (ophthalmic), Atreza

**Classification:** Anticholinergic, Sympatholytic

**Indications:** Symptomatic Bradycardia, Bradyarrhythmia's  
Organophosphate Poisoning  
Pre-intubation in children requiring airway manipulation to prevent vagotropic bradycardia response

**Contraindications:** Known hypersensitivity  
Tachycardia (relative)

**Dosages:**

**Adult:**

Symptomatic Bradycardia  
1mg IV/IO, q 3-5min prn, max dose 3mg

Organophosphate Poisoning  
2mg IV/IO, q5min prn until secretions resolve, no max

**Pediatric:**

Symptomatic Bradycardia/Pre-intubation  
0.02mg/kg IV/IO, may repeat x1 prn  
Minimum single dose = 0.1mg  
Maximum single dose for child = 0.5mg  
Maximum single dose for adolescent = 1mg

Organophosphate Poisoning  
0.02mg/kg IV/IO, q5min prn until secretions resolve, no max

**Side Effects:** Pupil dilation, blurred vision, headache, restlessness, confusion, tachycardia, angina, palpitations, hypertension, flushing of skin, drying of secretions, dry mouth, difficulty swallowing.

**Physiological Effects:** Decreases action of the parasympathetic nervous system increasing conduction velocity (dromotropic) and heart rate (chronotropic), enhances conduction through the AV junction. Decreases bodily secretions.

**Additional Info:** Overdose will cause anticholinergic toxidrome – “red as a beet, dry as a bone, blind as a bat, mad as a hatter, and hot as a desert”