

## Professional EMS Education Medication Profiles

<b>Atropine</b>	
Classification	-Anticholinergic (antimuscarinic)
Actions	-Selectively blocks muscarinic response to acetylcholine -Blocks vagal impulse to the heart -Increases SA node discharge (increased rate) -Enhances conduction through the AV node -Increases CO -Antisecretory action -Bronchodilation -Produces mydriasis
Indications	-Symptomatic bradycardia; -Bronchospasm -Organophosphate poisoning
Contraindications	-None in emergency situations -ACS -Myasthenia gravis -Tachycardia
Side effects	-HA; irritability; -Hypertension; tachyarrhythmia's; paradoxical bradycardia (if given to slow or too little dose) -Flushed, hot dry skin; anhydrosis; dry mouth
Precautions	-Glaucoma; ACS;
Adult Dose	-Bradycardia – 0.5 mg every 3 – 5 minutes; to a total of 3 mg or 0.04 mg / kg -Organophosphate poisoning – 2 mg repeated as needed until relief of symptoms
Pediatric Dose	-Bradycardia – 0.02 mg / kg (min 0.1 mg – max 0.5 mg); repeat every 3 – 5 minutes to a total of 1mg i
Route	-IV; IO; IM; ET
How supplied	-1mg in 10 ml (0.1 mg / kg) – prefilled syringes -4 mg in 10 ml multi dose vial
Onset / Duration	-Rapid; 4 hours
Half Life	-2-3 hours
Interaction	-None noted