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## **Atropine**

### **Protocols:**

1. Bradycardia (Adult and Pediatric)
2. Poisoning
3. Nerve Agents/Organophosphate exposure



### **Indications:**

1. Symptomatic bradycardia with a suspected vagal origin
2. Exposure to organophosphates or other nerve agents

### **Contraindications:**

1. Known hypersensitivity (no absolute contraindications)

### **Dosing:**

1. Symptomatic Bradycardia
  - a. Adult:
    - i. Administer 0.5 mg IV/IO every 3-5 minutes
    - ii. Max dose 3 mg
  -  b. Pediatric:
    - i. Given ONLY if primary AV block, or if bradycardia is unresponsive to oxygenation, ventilation and epinephrine.
    - ii. Administer 0.01-0.02 0.02 mg/kg IV/IO
    - iii. Minimum single dose 0.1 mg
    - iv. Maximum single dose 1 mg
    - v. Repeat prn in 5 minutes, maximum total dose 3 mg
2. Organophosphate/Nerve Agent Exposures
  - a. Adults
    - i. 2-6 mg IV/IM per Mark 1 Kit Dosing Directive (each kit contains 2 mg of atropine)
    - ii. If kit is not available administer 2-6 mg IV/IM as needed
  -  b. Pediatrics
    - i. Infant 0.05-0.1 mg/kg IM/IV/IO (0.2-1 mg), Pediatric Atropen or Vial
    - ii. Child 1-4 mg IM/IV/IO, Pediatric Atropen, Vial, or Mark 1

### **Expected Effects:**

1. Increased heart rate
2. Dilated pupils