

Medications

Epinephrine

- 0.01 mg/kg IV/IO (0.1 mg/mL concentration) every 3 to 5 min, max single dose 1 mg

Atropine


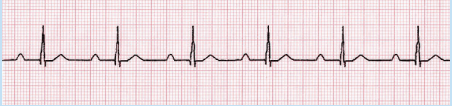

- 0.02 mg/kg IV/IO (min dose: 0.1 mg; max dose: 0.5 mg)
 - May repeat dose once after 3 to 5 min
 - Child max total dose: 1 mg
 - Adolescent max total dose: 3 mg



Common Causes

- Hypoxia
- Hypothermia
- Toxins/Medications
- Cardiac Abnormalities
- Cardiac Surgery

Age Group	Awake Heart Rate (Beats per Minute)
Neonate	100–205
Infant (1 to 12 months)	100–180
Toddler (1 to 2 years)	98–140
Preschooler (3 to 5 years)	80–120
School Age (6 to 12 years)	75–118
Adolescent (13 to 17 years)	60–100

Bradyarrhythmia	ECG Features	
Sinus bradycardia	Sinus origin, but HR lower than normal for age	
Second-degree AV block type I	Repeated pattern of progressively delayed atrial conduction (prolonged PR interval) followed by completely blocked conduction (dropped beat)	
Second-degree AV block type II	Some atrial impulses conducted and others not, but no progressive delays; blocked impulses may occur in a pattern (e.g., 2:1; 3:1 or 4:1 in high-grade block)	
Third-degree AV block	No atrial impulses conducted to ventricles (AV dissociation)	