

## **ADENOSINE**

**Protocols: AC 6-Adult Tachycardia Narrow, AC 7-Adult Tachycardia Wide, PC 5-Pediatric Tachycardia**

- **Type of drug:** Antidysrhythmic
- **Mechanism of Action:** Slows conduction through AV node; inhibits reentry pathways through AV node.
- **Indications:** to convert SVT to sinus rhythm
- **Contraindications:** 2<sup>nd</sup> or 3<sup>rd</sup> degree heart block; prolonged asystole in patients taking Dipyridamole (Persantine, an antiplatelet agent) or Tegretol (an antiseizure drug)
- **Precautions:** Patient may develop transient asystole, PVCs, PACs, sinus bradycardia, and sinustachycardia after administration; asthma
- **Route and Dosage:** IV; 6 mg rapid IV bolus, followed in 1-2 min. with 12 mg if no response. May repeat an additional 12 mg. Pediatric 0.1 mg / kg IV / IO, Maximum 6 mg. May repeat 0.2 mg / kg IV / IO Maximum 12 mg. Note: rapid bolus is crucial – half-life is ~ 30 seconds; follow rapid IV bolus (in proximal IV site) with rapid IV flush of NS.
- **Adverse reactions and side effects:** prolonged asystole, dyspnea, chest pressure