



**REGION 11 CHICAGO EMS SYSTEM
DRUG TABLE**

Drug Name: Adenosine

Approved: EMS Medical Directors Consortium

DRUG NAME - GENERIC	Adenosine
DRUG NAME - TRADE	Adenocard
DRUG CLASSIFICATION	Antiarrhythmic
DOSAGE FORMS	6 mg/2 mL, Injectable, Preload
ACTION(S)	- Slows conduction through AV node and interrupts AV reentry pathways to restore normal sinus rhythm
INDICATIONS	- For Stable Patients: Treatment of regular, narrow complex supraventricular tachycardia (SVT)
CONTRAINDICATIONS	<ul style="list-style-type: none"> - Known or documented hypersensitivity - Sick sinus syndrome - 2nd or 3rd degree AV block - Poison or drug-induced tachycardia - Atrial fibrillation/flutter - Ventricular tachycardia - Wolff-Parkinson-White (WPW) syndrome - Use with caution in asthma and COPD
ADULT DOSE / ROUTE	<ul style="list-style-type: none"> - Antecubital IV access - Initial dose: 6 mg rapid IV (over 1-2 seconds) followed immediately by 10 mL rapid saline flush and extremity elevation - If first dose does not terminate dysrhythmia in 1-2 minutes, give 12 mg rapid IV followed by 10 mL rapid saline flush and extremity elevation
PEDIATRIC DOSE / ROUTE	<ul style="list-style-type: none"> - Antecubital IV access, if possible - Initial dose of 0.1 mg/kg rapid IV/IO over 1-2 seconds followed immediately by 2- 5 mL rapid saline flush and extremity elevation - Max initial dose 6 mg - If first dose does not terminate SVT in 1-2 minutes, give 0.2 mg/kg rapid IV/IO followed immediately by 2- 5 mL rapid saline flush and extremity elevation. Max repeat dose 12 mg
SIDE EFFECTS	<ul style="list-style-type: none"> - Common reactions are generally mild and short-lived: sense of impending doom, flushing, chest pressure, throat tightness, numbness - Patients may have a brief episode of one or more transient dysrhythmias, which may include asystole - Adenosine is a respiratory stimulant; can exacerbate asthma and COPD