



**REGION 11
CHICAGO EMS SYSTEM
DRUG TABLE**

Drug Name: Adenosine
Approved: EMS Medical Directors Consortium
Effective: August 1, 2022

DRUG NAME - GENERIC	Adenosine
DRUG NAME - TRADE	Adenocard
DRUG CLASSIFICATION	Antiarrhythmic
DOSAGE FORMS	6 mg/2 mL, Injection, Prefilled syringe or vial
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