

Professional EMS Education Medication Profiles

Adenosine (Adenocard)	
Classification	-Antiarrhythmic
Action	-Slows conduction through the AV node -May interrupt reentry pathways through the AV node -Restores sinus rhythm in patients with PSVT
Indications	-Atrial tachycardia with symptoms -PSVT -PSVT associated with WPW (effective in up to 92% of patients)
Contraindications	-Hypersensitivity -Known or suspected bronchoconstrictive lung disease -Bradycardia -Sick sinus syndrome -High grade blocks
Side effects	-Facial flushing -Bronchospasm -Chest pressure -HA -Nausea -Brief episodes of asystole
Precautions	-Will not convert A-Fib / A-Flutter / VT -Patients with COPD -Have resuscitation equipment ready
Adult Dose	-6 mg RIVP; followed by saline bolus (20 ml) -Repeat at 12 mg RIVP x 2 to a max of 30 mg
Pediatric Dose	-0.1 mg / kg RIVP, followed by a saline bolus (5-10 ml) -Repeat 0.2 mg / kg RIVP
Route	-IV; IO
How supplied	-6 mg / 2 ml pre filled syringes -6 mg / 2 ml vials
Onset / Duration	-10 to 20 seconds /
Half Life	-< 10 seconds
Interaction	-Carbamazepine (tegretol) – may increase degree of heart block caused by adenosine -Dipyridamole (persantine) – may increase the effect of adenosine -Methylxanthines (thepohylline) – may decrease the effect Caffeine – may decrease the effect