

Common Medications

Medication	Dose	Max Dose	Route	Remarks
Adenosine (3 mg/ml)	0.1 - 0.2 mg/kg	12 mg	IV	Useful in SVT; push rapidly followed by rapid saline flush; use lower dose first, repeat with larger dose if needed
Benadryl	1 mg/kg	50 mg	IV, Oral	----
Dextrose 10%	2 mL/kg	----	IV, IO	First check blood glucose; use in newborns
Dextrose 25%	2-4 mL/kg	100 mL	IV, IO	First check blood glucose; dilute dextrose 50% (mL:mL) with NS; for use in children
Diazepam (Valium) (5 mg/ml)	0.2 mg/kg	10 mg	IV, IO	Watch for respiratory depression; useful for seizure control
Diazepam (Valium) (5 mg/ml)	0.3 - 0.5 mg/kg	20 mg	Rectal	Useful route when IV not available
Fentanyl (Sublimaze) (50 micrograms/mL)	2 micrograms/kg	100 micrograms	IV	Slow IV push (too rapid injection can cause rigid chest syndrome)
Fosphenytoin (50 mg PE/mL)	15-20 mg PE/kg	1000 mg PE	IV, IM	Dilute mL:mL with NS or D5W before IV administration (final conc. = 25mg PE/mL) Max rate = 3 mg PE/kg/min or 150 mg PE/min; May give IM if IV access unavailable
Lorazepam (Ativan) **	0.1 mg/kg	4 mg	IV, IO	Watch for respiratory depression; good for seizure control
Mannitol	0.5-1.0 gm/kg	----	IV	In-line filter ≤ 5 microns is required for infusion of concentrations ≥ 20%. Infuse over 20-30 minutes
Midazolam (Versed) **	0.1 mg / kg	5 mg	IV, IO	----
Morphine sulfate **	0.1 - 0.2 mg /kg	10 mg	IV, IO, IM	Watch for respiratory depression; useful for pain control Neonates: use preservative free formulations
Naloxone (Narcan) **	0.1 mg / kg	2 mg	IV, IO, ET	Indicated for unknown decreased LOC and narcotic overdose; May repeat every 2-3 minutes; Use smaller dose (0.01mg/kg) for chronic narcotic use reversal
Phenobarbital **	20 mg/kg	----	IV	Watch for respiratory depression; Max rate = 1 mg/kg/min or 30 mg/min. Avoid extravasation
Phenytoin (50 mg/mL)	15-20 mg/kg	1000 mg	IV	Give 1 mg/kg/min, max rate 50 mg/min

** Calculate carefully, concentrations of drugs vary