

RUHS PEDIATRIC Emergency Medications

11/2024

IV Bolus Medications		Neonates = < 30 days, Pediatrics = 1 month – 17 years
Adenosine 6mg/2mL VIAL	1 st dose: 0.1 mg/kg IV/IO <u>rapid</u> bolus (MAX 1 st dose : 6 mg) 2 nd dose: 0.2 mg/kg IV/IO (MAX 2 nd dose: 12 mg)	
Amiodarone 150mg/3mL VIAL	5mg/kg IV/IO, may repeat x 2 doses to max total dose of 15 mg/kg, MAX single dose = 300 mg, MAX daily dose = 15 mg/kg/day <u>VF or Pulseless VT</u> : undiluted as IVP <u>Perfusing tachycardias</u> : DILUTE 1 mL in 28 mL D5W (final concentration 1.8mg/mL) & run over 20-60 min	
Atropine 1mg/10mL SYR	<u>Bradycardia</u> : 0.02 mg/kg IV/IO repeat x1 dose in 3-5 min; MIN single dose = 0.1 mg, MAX single dose = 0.5 mg (child) – 1 mg (adolescent)	
Calcium Chloride 10% 1000 mg/10mL SYR	20 mg/kg IV/IO bolus over 3-5 min (MAX: 1000 mg/dose)	
Calcium Gluconate 10% 1000 mg/10mL VIAL	60-100 mg/kg IV/IO slow IV/IO push (MAX: 3000 mg/dose)	
Dextrose	Neonates D10 : 2 – 5 mL/kg (0.2 – 0.5 grams/kg) over 60 min Pediatrics ≤ 40 kg D25 : 2 – 4 mL/kg (0.5 – 1 gram/kg), MAX 25 gm/dose If D25 not available, DILUTE D50 1:1 with sterile water to make D25 Pediatrics > 40 kg D50 : 1 – 2 mL/kg (0.5 – 1 grams/kg), MAX 25 gm/dose	
Epinephrine	<u>Cardiac Arrest</u> : IV/IO 0.1 mg/mL SYR = 0.1 mL/kg (0.01 mg/kg), MAX 1mg <u>Anaphylaxis</u> : IM 1 mg/mL VIAL = 0.01 mg/kg, MAX dose = 0.5mg <u>Push Pressor</u> : IV/IO 10 mcg/mL SYR = 1 mcg/kg, MAX dose = 15mcg	
Lidocaine 100mg/5mL SYR	1 mg/kg IV/IO bolus over 2 min, MAX dose = 100 mg	
Magnesium Sulfate 2gm/50mL IVPB PREMIX	25 – 50 mg/kg IV/IO MAX dose = 2 grams, <u>Asthma Exacerb</u> : 15-30 min infusion; <u>Pulseless TdP</u> : IVP; TdP with pulse: 10-20 min infusion	
Naloxone 2mg/2mL SYR	0.1 mg/kg bolus q 2 min PRN, MAX dose = 2 mg	
Sodium bicarbonate	1 mEq/kg slow IV/IO push. neonate/infant 4.2%; child/adolescent 8.4%	