

## Analgesics/Sedatives

### Analgesics

Fentanyl	1-2 mcg/kg IV (max 100 mcg)
Ketorolac (Toradol*)	0.5 mg/kg IV/IM (max 30 mg)
Morphine	0.05-0.1 mg/kg IV (max 4mg)
Oxycodone	0.05-0.15 mg/kg PO (max 10mg)
Hydromorphone	0.015 mg/kg IV (max 0.8mg)

### Sedatives

Haloperidol (Haldol*)	
3-12 y/o	0.025 mg/kg IM (max 5mg)
>12 y/o	0.05 mg/kg IM (max 5mg)

### Sedatives (continued)

Midazolam (Versed*)	0.05-0.1 mg/kg IV (max 5 mg)
	0.2 mg/kg nasal (max 10 mg)
	0.5 mg/kg PO (max 15 mg)
Risperidone	
4-6 yrs	0.25 mg PO
6-10 yrs	0.5 mg PO
11-16 yrs	1 mg PO
≥ 17 yrs	2 mg PO

## Medications

Charcoal	1 g/kg PO/NG	Insulin (Regular)	
Diphenhydramine (Benadryl*)	1 mg/kg IV/IM/PO	DKA	0.05 units/kg/hour IV < 5 yrs 0.1 units/kg/hour IV ≥ 5 yrs
Furosemide (Lasix*)	1-2 mg/kg IV/IM (max 80 mg)	Hyperkalemia	0.2 units/kg IV (administer with Dextrose 1g/kg)
HydrALAZINE	0.1-0.2 mg/kg IV (max 20 mg)	Mannitol	0.5-1 g/kg IV
Hydrocortisone		MethylPREDNISolone	
Adrenal Crisis	2mg/kg IV bolus (max 100mg)	Status asthmaticus	2 mg/kg IV (max 60mg)
Stress Dose	1 mg/kg IV/IM (max 50 mg)	Spinal cord injury	30 mg/kg IV over 15 minutes then 5.4 mg/kg/hour for 23-48 hours
Hypertonic Saline 3%	(Sodium Chloride 3%) 2 mL/kg IV (rate ≤20 mL/minute) (for increased ICP)	Isradipine	0.05-0.15 mg/kg PO
		Ondansetron (Zofran)	
		Acute gastroenteritis	<15 kg 0.2 mg/kg PO 15-30 kg 4 mg ODT >30 kg 8mg ODT All weights 0.15 mg/kg IV (max 8mg)

## Maintenance Fluids

### Children and Adolescents

Weight	Fluid	Rate
≤ 10 kg	D5 1/4 NS + 20 mEq KCl/L	First 10 kg: 4 mL/kg/hour+
> 10 kg	D5 1/2 NS + 20 mEq KCl/L	Second 10 kg: 2 mL/kg/hour+
		Each additional kg: 1 mL/kg/hour

## Glasgow Coma Scale

Eye Opening		Verbal			
Child	Infant	Child	Infant		
Spontaneous 4	Spontaneous 4	Oriented 5	Coos and babbles 5		
To voice 3	To speech 3	Confused 4	Irritable cries 4		
To pain 2	To pain 2	Inappropriate words 3	Cries (pain) 3		
None 1	None 1	Incomprehensible 2	Moans (pain) 2		
		None 1	None 1		
Motor		Child	Infant		
		Obeys commands 6	Spontaneous movement 6		
		Purposeful (pain) 5	Withdraws (touch) 5		
		Withdraws (pain) 4	Withdraws (pain) 4		
		Flexion (pain) 3	Abnormal flexion 3		
		Extension (pain) 2	Abnormal extension 2		
		None 1	None 1		

### Pupils: mm



This information is to serve as a guide only. Responsibility for appropriate equipment, medication choice and dosage lies with the provider.

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Centimeters

# Pediatric Emergency Reference Card

## Emergency Communication & Transport Center

Phone (206) 987-8899 Fax (206) 987-3945  
Poison Control Center (800) 222-1222

## Resuscitation

Medications given IV can all be given IO • All recommendations are singles doses, unless specified

Medication/Treatment	Dose
Adenosine	0.1 mg/kg rapid IV push (max: 6 mg for 1 <sup>st</sup> dose) If not effective, 0.2 mg/kg IV push (max: 12 mg for 2 <sup>nd</sup> dose)
Amiodarone	5 mg/kg IV push for refractory VT/VF 5 mg/kg IV over 20-60 minutes for perfusing VT Adult dose: 300 mg IV
*Atropine	0.02 mg/kg IV (for pts >5kg min 0.1 mg, max 1 mg) 0.04 mg/kg ETT (for pts >5kg min 0.1 mg, max 0.5 mg children and max 1 mg teens) (flush with 5 mL NS)
Calcium Chloride	10-30 mg/kg IV (CENTRAL line preferred)
Calcium Gluconate	100 mg/kg IV (max 2 grams)
Dextrose	0.5-1 g/kg IV D50W: 1 - 2 mL/kg D25W: 2 - 4 mL/kg D10W: 5 - 10 mL/kg D5W: 10 - 20 mL/kg Neonate: D10W: 2 mL/kg
*EPINEPHrine (For cardiac arrest)	0.01 mg/kg IV (1:10,000; 0.1 mL/kg) (max 1 mg IV) 0.1 mg/kg ETT (1:1,000; 0.1 mL/kg (max 2.5 mg ETT) Adult Dose: 1 mg IV
*Lidocaine	1 mg/kg IV bolus (max 3 mg/kg IV) 2 mg/kg ETT (min vol 1 mL-dilute with NS)
Magnesium Sulfate	25-50 mg/kg IV (torsades de pointes) (max 2 grams)
*Naloxone (Narcan*)	<20 kg 0.1 mg/kg IV/IM/SQ >20 kg 2 mg IV/IM/SQ via ETT 2 times IV dose (min vol 1 mL- dilute with NS)
Sodium Bicarbonate	1-2 mEq/kg IV
Defibrillation	1st shock 2 J/kg, 2nd & subsequent shocks 4-10 J/kg Infant paddles < 1 year or < 10 kg
Synchronized Cardioversion	0.5-1 J/kg
Normal Saline (NS) or Lactate Ringer's (LR)	10-20 mL/kg IV (avoid LR if on ketogenic diet) Neonate: 10 mL/kg IV
Colloid, Whole Blood, PRBCs	10-20 mL/kg IV
Burns > 20% body surface area (partial or full thickness)	4 mL Lactate Ringer's/kg/% BSA burn IV (1/2 in first 8 hours)

\*Medications potentially administered via ETT: Atropine, Epinephrine, Lidocaine, Naloxone



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