

Normal Vital Signs

12-24 months

***Weight (KG):** 10-11kg

Weight (Lbs): 22-24.3

Heart Rate (Beats per minute): 89-149

Respiratory Rate (Breaths per minute): 27-44

Blood Pressure (Systolic Range/ Diastolic Range): 85-107/ 40-67

MAP (mmHg): 55-81

Broselow color: Purple

* Weight based on Broselow Tape

**Vitals based on BC PEWS

Airway Equipment

1 Year, 10 kg (20 lbs), Broselow Purple

	Values	Formula
Tidal Volume	60 mL	4-8 mL/kg
Laryngoscope	1 Straight	-
Un-cuffed ETT	4.0 mm	$(\text{Age}/4)+4$
Cuffed ETT	3.5 mm	$(\text{Age}/4)+3$
ETT Depth	12 cm	-
i-Gel SGA	Size 1.5 (blue)	5-12 kg
NPA	14 Fr	-
OPA	50 mm (blue)	-
Suction Cath	8 Fr	-

Airway Induction Doses

1 Year, 10 kg (20 lbs), Broselow Purple

	Values	Details
Normal Saline Bolus (IV)	100 mL	10 mL/kg
ketAMINE (IV/IO)	10 mg	1 mg/kg
EPINEPHrine (Slow IVP/IO)	10 mcg	1.0 mcg/kg
MIDAZOLam (IV/IO)	1.0 mg	0.1 mg (100 mcg)/kg PRN

Maintenance doses on [PR18: Anesthesia Induction](#) Page

Respiratory & Allergic Reaction

1 Year, 10 kg (20 lbs), Broselow Purple

	Values	Details
Dexamethasone (PO/IM/IV)	5 mg dose = 1.25mL Dexamethasone solution administered	$10\text{kg} \times 0.5\text{mg/kg} = 5\text{mg}$ 4mg/mL Dextrose solution =1.25mL
Diphenhydramine (IM/IV)	10 mg	1 mg/kg
EPINEPHrine (IM)	0.1 mg (100 mcg)	0.01 mg (10 mcg)/kg; Max 0.5 mg (500 mcg)
EPINEPHrine (Neb)	5 mg	0.5 mg (500 mcg in 5 mL N/S; Max 5 mg
EPINEPHrine (IV)	0.05 mg (50 mcg)	0.005 mg (5 mcg)/kg; Max 0.3 mg (300 mcg)
Salbutamol (Neb)	5 mg	2 nebulas
Salbutamol (MDI)	500 mcg	5 x 100 mcg per course; may repeat up to 3 times
Ipratropium (Neb)	250mcg	½ nebule
Ipratropium (MDI)	80 mcg	20mcg x 4 sprays
Magnesium Sulfate (IV infusion)	500 mg	50 mg/kg over 20 minutes; Max 2 g

Cardiac Arrest

1 Year, 10kg (20.05lbs), Broselow Purple

	Values	Details
Defibrillation	20/40 J	2 & 4 J/kg
Epinephrine (IV)	0.1 mg (100 mcg)	0.01 mg (10 mcg)/kg; Max 1 mg
Epinephrine (ETT)	1 mg	0.1 mg (100 mcg)/kg; Max 10 mg
Amiodarone (IV)	50 mg	5 mg/kg; Max 300 mg
Lidocaine (IV)	10 mg	1 mg/kg
Lidocaine (ETT)	20 mg	2 mg/kg
Bicarb (IV)	10 mEq	1 mEq/kg; May repeat
MgSO4 (IV)	500 mg	50 mg/kg; Max 4 g
Calcium (IV)	200 mg	20 mg/kg; Max 500 mg
Naloxone (IV)	1 mg	0.1 mg (100 mcg)/kg; Max 4 mg
Naloxone (ETT)	2 mg	0.2 mg (200 mcg)/kg; Max 8 mg

Tachycardia

1 Year, 10 kg (20 lbs), Broselow Purple

	Values	Details
Adenosine (IV)	1/2 mg	0.1 & 0.2 mg (100 & 200 mcg)/kg
Amiodarone (IV infusion)	50 mg	5 mg/kg over 20 minutes; May repeat x2; Max 300 mg
Cardioversion	5/12 J	0.5 & 1.0 J/kg

Bradycardia

1 Year, 10 kg (20 lbs), Broselow Purple

	Values	Details
EPINEPHrine (IV)	0.1 mg (100 mcg)	0.01 mg (10 mcg)/kg; Max 0.5 mg (500 mcg); q 3-5 minutes
Atropine (IV)	0.2 mg (200 mcg)	0.02 mg (20 mcg)/kg; Max single dose 0.6 mg (600 mcg); May repeat once
Atropine (ETT)	0.4 mg (400 mcg)	0.04 mg (40 mcg)/kg; Max single dose 1.2 mg; Max total dose 6 mg; May repeat x5 in 3-5 minutes

Fluid Resuscitation

1 Year, 10 kg (20 lbs), Broselow Purple

	Values	Details
Normal Saline	50 mL (200 mL)	5 mL/kg bolus x4; Max 20 mL/kg

Tranexamic Acid

150 mg over 1 minute

Volume of Tranexamic Acid: 1.5 ml

Sedation, Seizure, & Analgesia

1 Year, 10 kg (20 lbs), Broselow Purple

	<u>Values</u>	<u>Details</u>
<u>KetAMINE</u> (IN)	15 mg	1.5 mg/kg, Max 50 mg *
<u>KetAMINE</u> (IM)	5 mg	0.5 mg (500 mcg)/kg *
<u>KetAMINE</u> (IV/IO)	3 mg	0.3 mg (300 mcg)/kg, Single Dose Max 20 mg, Max Total 0.6 mg (600 mcg)/kg *
<u>MIDAZOLam</u> (IM/IN)	2 mg	0.2 mg (200 mcg)/kg; Max 10 mg
<u>MIDAZOLam</u> (IV/IO)	1 mg	0.1 mg (100 mcg)/kg; Max 5 mg
<u>FentaNYL</u> (IN)	15 mcg - 20 mcg	1.5-2.0 mcg/kg, Single Dose Max 100 mcg
<u>FentaNYL</u> (IM/IV/IO)	10 mcg - 20 mcg	1-2 mcg/kg, Single Dose Max 50 mcg q 5 min, Max Total 200 mcg
<u>Morphine</u> (IV/IM)	1 mg	0.1 mg (100 mcg)/kg
<u>DimenhyDRINATE</u> (IV/IM) <i>ACP & Above</i>	12.5 mg	1.25 mg/kg, Max 5 mg/kg/day or Single dose of 25 mg
<u>Ondansetron</u> (IV)	1 mg	0.1 mg (100 mcg)/kg
<u>Ibuprofen</u> (PO)	100 mg	10 mg/kg
<u>Acetaminophen</u> (PO)	150 mg (1.9 mL)	15 mg/kg (80 mg/mL)

*See drug monographs for repeat dosages

Poisoning & Overdose

1 Year, 10 kg (20 lbs), Broselow Purple

	Values	Details	**Note: Higher doses for naloxone in pediatrics are prescribed as pediatric patients are unlikely to experience withdrawal
Naloxone (IV/IM)	1 mg	0.1 mg (100 mcg)/kg; to a maximum of 2 mg/dose. Repeat q 3 mins to effect. No maximum cumulative dose.	
Glucagon (IV)	1 mg	Beta-blocker overdose 0.1 mg (100 mcg)/kg IV	

Diabetic

1 Year, 10 kg (20 lbs), Broselow Purple

	Values	Details
Dextrose 10% (D10W)	50 mL	5 mL/kg; May be repeated
Glucagon (SC/IM)	0.3 mg (300 mcg)	0.03 mg (30 mcg)/kg; Max 1 mg

