

## Normal Vital Signs

### 7-9 years

**\*Weight (KG):** 24-29kg

**Weight (Lbs):** 52.9-63.9

**Heart Rate (Beats per minute):** 60-120

**Respiratory Rate (Breaths per minute):** 16-30

**Blood Pressure (Systolic Range/ Diastolic Range):** 96-118/ 53-76

**MAP (mmHg):** 70-90

**Broselow color:** Orange

\* Weight based on Broselow Tape

\*\*Vitals based on BC PEWS

## Airway Equipment

8 Years, 25 kg (55.1 lbs), Broselow Orange

	Values	Formula
Tidal Volume	150 mL	4-8 mL/kg
Laryngoscope	2-3 Straight/Curved	-
Un-cuffed ETT	6 mm	$(\text{Age}/4)+4$
Cuffed ETT	5.5 m	$(\text{Age}/4)+3$
ETT Depth	18 cm	-
i-Gel SGA	Size 2.5 (white)	25-35 kg
NPA	26 Fr	-
OPA	80 mm (green)	-
Suction Cath	10-12 Fr	-

# Airway Induction Doses

8 Years, 25kg (55.12lbs), Broselow Orange

	Values	Details
Normal Saline Bolus (IV)	250ml	10ml/kg
<a href="#">ketAMINE</a> (IV/IO)	25mg	1mg/kg
<a href="#">EPINEPHrine</a> (Slow IVP/IO)	25mcg	1.0mcg/kg
<a href="#">MIDAZOLam</a> (IV/IO)	2.5mg	0.1mg (100 mcg)/kg PRN

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

## Respiratory & Allergic Reaction

8 Years, 25 kg (55.1 lbs), Broselow Orange

	Values	Details
<b><u>Dexamethasone</u></b> (PO/IM/IV)	12.5mg Dose = 3.13mL Dexamethasone solution administered	25 x 0.5mg/kg=12.5mg  4mg/ml Supplied Dexamethasone
<b><u>DiphenhydrAMINE</u></b> (IM/IV)	25 mg	1 mg/kg
<b><u>EPINEPHrine</u></b> (IM)	0.25 mg (250 mcg)	0.01 mg (10 mcg)/kg; Max 0.5 mg (500 mcg)
<b><u>EPINEPHrine</u></b> (Neb)	5 mg	5mg dose
<b><u>EPINEPHrine</u></b> (IV)	0.12 mg (120 mcg)	0.005 mg (5 mcg)/kg; Max 0.3 mg (300 mcg)
<b><u>Salbutamol</u></b> (Neb)	5 mg	-
<b><u>Salbutamol</u></b> (MDI)	1000 mcg	10 x 100 mcg per course, May repeat up to 3x
<b><u>Ipratropium</u></b> (Neb)	250 mcg	½ nebule
<b><u>Ipratropium</u></b> (MDI)	80 mcg	20mcg x 4 sprays
<b><u>Magnesium Sulfate</u></b> (IV infusion)	1.2 g	50 mg/kg over 20 minutes; Max 2 g

## Cardiac Arrest

8 Years, 25 kg (55.1 lbs), Broselow Orange

	Values	Details
<b>Defibrillation</b>	50/100 J	2 & 4 J/kg
<a href="#">EPINEPHrine</a> (IV)	0.25 mg (250 mcg)	0.01 mg (10 mcg)/kg; Max 1 mg
<a href="#">EPINEPHrine</a> (ETT)	2.5 mg	0.1 mg (100 mcg)/kg; Max 10 mg
<a href="#">Amiodarone</a> (IV)	125 mg	5 mg/kg; Max 300 mg
<a href="#">Lidocaine</a> (IV)	25 mg	1 mg/kg
<a href="#">Lidocaine</a> (ETT)	50 mg	2 mg/kg
<a href="#">Sodium Bicarbonate</a> (IV)	25 mEq	1 mEq/kg; May repeat
<a href="#">Magnesium Sulfate</a> (IV)	1.2 g	50 mg/kg; Max 4 g
<a href="#">Calcium Chloride</a> (IV)	500 mg	20 mg/kg; Max 500 mg
<a href="#">Naloxone</a> (IV)	2.5 g	0.1 mg (100 mcg)/kg; Max 4 mg
<a href="#">Naloxone</a> (ETT)	5 mg	0.2 mg (200 mcg)/kg; Max 8 mg

# Tachycardia

8 Years, 25 kg (55.1 lbs), Broselow Orange

	Values	Details
<a href="#">Adenosine</a> (IV)	2.5/5.0 mg	0.1 & 0.2 mg (100 & 200 mcg)/kg
<a href="#">Amiodarone</a> (IV infusion)	125 mg	5 mg/kg over 20 minutes; May repeat x2; Max 300 mg
Cardioversion	12/25 J	0.5 & 1.0 J/kg

# Bradycardia

8 Years, 25 kg (55.1 lbs), Broselow Orange

	Values	Details
<a href="#">EPINEPHrine (IV)</a>	0.25 mg	0.01 mg (10 mcg)/kg; Max 0.5 mg (500 mcg); q 3-5 minutes.
<a href="#">Atropine (IV)</a>	0.5 mg (500 mcg)	0.02 mg (20 mcg)/kg; Max single dose 0.6 mg (600 mcg); May repeat once
<a href="#">Atropine (ETT)</a>	1.0 mg	0.04 mg (40 mcg)/kg; Max single dose 1.2 mg; Max total dose 6 mg; May repeat x 5 in 3-5 minutes

Fluid Resuscitation

8 Years, 25 kg (55.1 lbs), Broselow Orange

	Values	Details
Normal Saline	125 mL (500 mL)	5 mL/kg bolus x4; Max 20 mL/kg

Tranexamic Acid

375 mg over 1 minute

Volume of Tranexamic Acid: 3.75 ml



## Sedation, Seizure, & Analgesia

8 Years, 25 kg (55.1 lbs), Broselow Orange

	<u>Values</u>	<u>Details</u>
<a href="#"><u>KetAMINE</u></a> (IN)	37.5 mg	1.5 mg/kg, Max 50 mg *
<a href="#"><u>KetAMINE</u></a> (IM)	12.5 mg	0.5 mg (500 mcg)/kg *
<a href="#"><u>KetAMINE</u></a> (IV/IO)	7.5 mg	0.3 mg (300 mcg)/kg, Single Dose Max 20 mg, Max Total 0.6 mg (600 mcg)/kg *
<a href="#"><u>MIDAZOLam</u></a> (IM/IN)	5.0 mg	0.2 mg (200 mcg)/kg; Max 10 mg
<a href="#"><u>MIDAZOLam</u></a> (IV/IO)	2.5 mg	0.1 mg (100 mcg)/kg; Max 5 mg
<a href="#"><u>FentaNYL</u></a> (IN)	37.5 mcg - 50 mcg	1.5-2 mcg/kg, Single Dose Max 100 mcg
<a href="#"><u>FentaNYL</u></a> (IM/IV/IO)	25 mcg - 50 mcg	1-2 mcg/kg, Single Dose Max 50 mcg q 5 min, Max Total 200 mcg
<a href="#"><u>Morphine</u></a> (IV/IM)	2.5 mg	0.1 mg (100 mcg)/kg
<a href="#"><u>DimenhyDRINATE</u></a> (IV/IM) <i>ACP &amp; Above</i>	25 mg	1.25 mg/kg, Max single dose of 25 mg or Max 5 mg/kg/day
<a href="#"><u>Ondansetron</u></a> (IV)	2.5 mg	0.1 mg (100 mcg)/kg
<a href="#"><u>Ibuprofen</u></a> (PO)	250 mg	10 mg/kg
<a href="#"><u>Acetaminophen</u></a> (PO)	375 mg (4.7 mL)	15 mg/kg (80 mg/mL)

\*See drug monographs for repeat dosages

## Poisoning & Overdose

8 Years, 25 kg (55.1 lbs), Broselow Orange

	Values	Details
<a href="#">Naloxone</a> (IV/IM)	2 mg	0.1 mg (100 mcg)/kg; to a maximum of 2 mg/dose. Repeat q 3 mins to effect. No maximum cumulative dose.
<a href="#">Glucagon</a> (IV)	2.5 mg	Beta-blocker overdose 0.1 mg (100 mcg)/kg IV

Diabetic

8 Years, 25 kg (55.1 lbs), Broselow Orange

	Values	Details
<a href="#">Dextrose 10%</a> (D10W)	125 mL	5 mL/kg; May be repeated
<a href="#">Glucagon</a> (SC/IM)	0.75 mg (750 mcg)	0.03 mg (30 mcg)/kg; Max 1 mg

