

0-28 days

***Weight (KG):** 3.3- 4.15

Weight (Lbs): 7.2-9.14

Heart Rate (Beats per minute): 104-162

Respiratory Rate (Breaths per minute): 31-60

Blood Pressure (Systolic Range/ Diastolic Range): 60-80/30-53

MAP (mmHg): 40 or higher

Broselow color: Grey

* Weight based on Broselow Tape

**Vitals based on BC PEWS

Airway Equipment

Premature, 1.5 kg (3.3 lbs)

	Values	Formula
Tidal Volume	10 mL	4-8 mL/kg
Laryngoscope	0 - 1 Straight	-
Un-cuffed ETT	2.5 - 3 mm	(Age/4)+4
Cuffed ETT	2 - 2.5 mm	(Age/4)+3
ETT Depth	7.5 - 9 cm	3 (ETT Size)
i-Gel SGA	N/A	-
NPA	-	-
OPA	40 mm (pink)	-
Suction Cath	6 Fr	-

Airway Induction Doses

Premature, 1.5 kg (3.3 lbs)

	Values	Details
Normal Saline Bolus (IV)	15 ml	10 ml/kg
ketAMINE (IV/IO)	1.5 mg	1 mg/kg
EPINEPHrine (Slow IVP/IO)	15 mcg	1.0 mcg/kg
MIDAZOLam (IV/IO)	0.15 mg (150 mcg)	0.1 mg (100 mcg)/kg PRN

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

Respiratory & Allergic Reaction

Premature, 1.5 kg (3.3 lbs)

	Values	Details
DiphenhydrAMINE (IM/IV)	1.5 mg	1 mg/kg
EPINEPHrine (IM)	0.02 mg (20 mcg)	0.01 mg (10 mcg)/kg; Max 0.5 mg
EPINEPHrine (Neb)	5 mg	0.5 mg (500 mcg)/kg in 5 mL N/S; Max 5 mg
EPINEPHrine (IV)	0.01 mg (10 mcg)	0.005 mg (5 mcg)/kg; Max 0.3 mg
Salbutamol (Neb)	2.5 mg	-
Salbutamol (MDI)	---	NOT indicated
Magnesium Sulfate (IV infusion)	75 mg	50 mg/kg over 20 minutes; Max 2 g

Cardiac Arrest

Premature, 1.5 kg (3.3 lb)

	Values	Details
Defibrillation	3/6 J	2 & 4 J/kg
EPINEPHrine (IV)	0.02 mg (20 mcg)	0.01 mg (10 mcg)/kg; Max 1 mg
EPINEPHrine (ETT)	0.2 mg (200 mcg)	0.1 mg (100 mcg)/kg; Max 10 mg
Amiodarone (IV)	7.5 mg	5 mg/kg; Max 300 mg
Lidocaine (IV)	1.5 mg	1 mg/kg
Lidocaine (ETT)	1.5 mg	2 mg/kg
Sodium Bicarbonate (IV)	1.5 mEq	1 mEq/kg; May repeat
Magnesium Sulfate (IV)	75 mg	50 mg/kg; Max 4g
Calcium Chloride (IV)	30 mg	20 mg/kg; Max 500 mg
Naloxone (IV)	0.2 mg (200 mcg)	0.1 mg (100 mcg)/kg; Max 4 mg
Naloxone (ETT)	0.2 mg (200 mcg)	0.2 mg (200 mcg)/kg; Max 4 mg

Tachycardia

Premature, 1.5 kg (3.3 lbs)

	Values	Details
Adenosine (IV)	0.2/0.4 mg (200/400 mcg)	0.1 & 0.2 mg (100 mcg & 200 mcg)/kg
Amiodarone (IV infusion)	7.5 mg	5 mg/kg over 20 minutes; May repeat x2; Max 300 mg
Cardioversion	1/2 J	0.5 & 1.0 J/kg

Bradycardia

Premature, 1.5 kg (3.3 lbs)

	Values	Details
EPINEPHrine (IV)	0.02 mg (20 mcg)	0.01 mg (10 mcg)/kg; Max 0.5 mg (500 mcg); q 3-5 minutes
Atropine (IV)	0.1 mg (100 mcg)	0.02 mg (20 mcg)/kg; Max single dose 0.6 mg (600 mcg); Min single dose 0.1 mg (100 mcg); May repeat once
Atropine (ETT)	0.06 mg (60 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

Premature, 1.5 kg (3.3 lbs)

	Values	Details
Normal Saline	7.5 mL (Max 30 mL)	5 mL/kg bolus x4; Max 20 mL/kg

Sedation, Seizure, & Analgesia

Premature, 1.5 kg (3.3 lbs)

	Values	Details
Midazolam (IM/IN/ETT)	0.4 mg (400 mcg)	0.2 mg (200 mcg)/kg; Max 10 mg
Midazolam (IV)	0.2 mg (200 mcg)	0.1 mg (100 mcg)/kg; Max 5 mg
Morphine (IV/IM)	0.2 mg (200 mcg)	0.1 mg (100 mcg)/kg
Dimenhydrinate (IV/IM)	1.5 mg	1 mg/kg
Acetaminophen (PO/PR)	20 mg (0.25 mL)	15 mg/kg (80 mg/mL)

Poisoning & Overdose

Premature, 1.5 kg (3.3 lbs)

	Values	Details
Naloxone (IV/IM)		Should not be administered to neonates due to risk of acute withdrawal. Contact CliniCall to discuss options.
Glucagon (IV)	0.15 mg (150 mcg)	0.1 mg (100 mcg)/kg IV for beta-blocker overdose

Diabetic

Premature, 1.5 kg (3.3 lbs)

	Values	Details
Dextrose 10% (D10W)	8 mL	5 mL/kg; May be repeated
Glucagon (SC/IM)	0.05 mg (50 mcg)	0.03 mg (30 mcg)/kg; Max 1 mg

