

Vital Signs

Systolic BP		Heart Rate (max)	
<1 month	60 mmHg	<6 months	180-190
1-12 months	70	1-2 years	150
1-10 years	70+(age x 2)	3-6 years	120-140
>10 years	90	7-12 years	110

Respiratory Rate		Weight (kg) = [age x 2 + 10]	
<1 month	50	<1 month	3 kg
1 year	40	1 year	10
3 years	30	5 years	20
5 years	25	10 years	30
10 years	20		

Urine Output = 1-2 cc/kg/hr

Resus

ETT Size = [age/4 + 4]		Laryngoscope	
<28 wks	2.5	<2 years	Mac/Miller 1
28-32 wks	3.0	2-10 years	Mac/Miller 2
32-26 wks	3.5	>10 years	Mac/Miller 3
Tip to Lip 3x ETT size			

Intubation Drugs	
Atropine 0.02 mg/kg <small>min 0.1mg</small>	Vecuronium 0.1-0.2 mg/kg
Etomidate 0.3 mg/kg	Rocuronium 1 mg/kg
Succinylcholine 2mg/kg	

Ventilator Settings	
Pressure support, TV 6-10cc/kg, Rate 20 (30 if <1 year)	
NGT/Foley 2x ETT size	Chest tube 3-4x ETT size

Prep Drugs

Code Drugs
[Unstable bradycardia, V Fib/V Tach, PEA] Epinephrine 1:10,000 = 0.01 mg/kg (0.1 cc/kg) 1:1000 ETT dose =0.1 mg/kg
[Bradycardia] Atropine 0.02 mg/kg

[Torsades]	
SVT	Shock
Adenosine 0.1 mg/kg <small>max 1st dose 6mg, 2nd dose 12mg</small>	Dopamine 2-20 mcg/kg/min
Synchronized Cardioversion <small>initial 0.5-1 J/kg, max 2 J/kg</small>	Levophed 0.05-2 mcg/kg/min
Amiodarone 5 mg/kg <small>over 20-60 mins</small>	Phenylephrine 0.1-0.5 mcg/kg/min
Procainamide 15 mg/kg <small>over 30-60 mins</small>	Dobutamine 2-20 mcg/kg/min

Interventions-Based Drug Regimens

Procedural Sedation	
Ketamine (preferred) 1-2 mg/kg IV (10 min duration), 2-4 mg/kg IM	
Propofol 0.5-2.0 mg/kg IV	Brevital 1 mg/kg IV
Etomidate 0.15 mg/kg IV	
Code Adjuncts	
Calcium Chloride 20 mg/kg IV/IO (0.2 cc/kg) Max: 1 g	
Glucose 1 cc/kg D50 2 cc/kg D25 5 cc/kg D10 10 cc/kg D5	
Narcan (opiate overdose) 0.1 mg/kg	Flumazenil (benzooverdose) 5-10 ug/kg (Max: 1 mg)
Mannitol 0.5-1 g/kg	

Respiratory
[Croup] Dexamethasone 0.3-0.6 mg /kg Racemic Epi 0.25-0.5cc 2.25% nebulized in 3cc NS
[Anaphylaxis] Epi 1/1000=0.01mg/kg IM/IV/IO q15min prn (Max: 0.5mg) 1/10,000=0.01mg/kg q3-5min (Max 1mg) if hypotension - 0.1-1ug/kg/min IV if refractory hypotension 0.1-1ug/kg/min IV
[Asthma] Albuterol Neonate 0.15mg/kg/odse (Max: 5mg) Atrovent <12yo = 250mcg, >12yo = 500mcg Magnesium 50mg/kg (Max: 2g) over 20min Terbutaline 10mcg/kg IV bolus then 0.1mcg/kg/min gtt Epi 1/1000 0.1mg/kg IM q15min prn (Max: 0.5mg) Steroids Prednisone (15mg/5cc) 1mg/kg/day po Methylprednisone 2mg/kg IV/IM (Max: 80mg) then 0.5mg/kg IV/IO q6th (Max: 120mg/day)
>10 years

Seizure	
Lorazepam (Ativan) 0.1mg/kg IV/IM q10min (Max: 4mg) Diazepam (Valium) 0.3mg/kg IV (Max: 10mg) 0.5mg/kg PR Midazolam (Versed) 0.1mg/kg IV, 0.3mg/kg IM Phenytoin (Dilantin) 20mg/kg gtt at 50mg/min or 1mg/kg/min (pick slower)	
Phenobarbital 20mg/kg (Max: 1g) Depakote (valproate) 15-20mg/kg IV Pyridoxine (INH tox) 1g IV/IM q30min, dose 1g per gram INH	
Antibiotics	
Amoxicillin (125 or 250mg/5cc) 80mg/kg/day div q8-12h Augmentin (200 or 400mg/5cc) 40mg/kg/day div q12h Bactrim (40mg/5cc) TMP 6-12mg/kg/day div q12h Clindamycin (75mg/5cc) 10-30mg/kg/day div q6-8h Keflex (125 or 250mg/5cc) 25-100mg/kg/day div q6h	
Ampicillin 50mg/kg Cefotaxime 50mg/kg Ceftriaxone 50-100mg/kg	Gentamicin 4mg/kg q24h Vancomycin 15mg/kg Rifampin 20mg/kg
Pain/Symptom Relief	
Tylenol 80mg/0.8cc or 160mg/5cc (15mg/kg) q6h Motrin 100mg/5cc (10mg/kg) q6h Benadryl 12.5mg/5cc (1mg/kg) q6h Sudafed 15-30mg/5cc (1mg/kg) q6h	