

Intubation Medications

1. Premedication (1 or more as indicated)

Atropine	0.02 mg/kg IV (max 1 mg) (consider for < 5yrs or with subsequent doses succinylcholine)
Fentanyl	1 mcg/kg IV (consider 2-5 mcg/kg/dose if no shock or other sedative - risk of chest wall rigidity, push slowly)
Lidocaine	1 mg/kg IV (for ICP concerns)

2. Sedation/Induction (Choose ONE)

Etomidate	0.3 mg/kg IV (hypotension/shock, not with septic shock) (max 20mg)
Ketamine	2 mg/kg IV (3-7 mg/kg IM) (pts. with asthma/septic shock)
Midazolam	0.1 mg/kg IV/IM (max 5 mg IV or 10 mg IM)
Propofol	2 mg/kg IV

3. Muscle Relaxant (Choose ONE)

Succinylcholine	1-2 mg/kg IV (onset ~ 1 minute, duration ~ 5 minute) (max 150mg)
Rocuronium	1 mg/kg IV (onset ~ 1 minute, duration <1yr ~ 40 minute, >1yr ~ 30 min)
Vecuronium	0.1 mg/kg IV (onset ~ 2 minute, duration ~ 35 minute)

3. Reversal Agents (Choose ONE)

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)
Flumazenil (Romazicon®)	0.01 mg/kg IV (max individual dose 0.2 mg, 1 mg total)

Airway Medications

Albuterol	< 1yr 4 puffs MDI or 2.5 mg nebulized inhalation ≥ 1yr 8 puffs MDI or 5 mg nebulized inhalation or 20mg/hour continuous nebulized inhalation
Dexamethasone	0.6 mg/kg IV/IM/PO (max 16 mg)
Ipratropium (Atrovent®)	< 1yr 0.25 mg nebulized inhalation ≥ 1yr 0.75 mg nebulized inhalation
MethylPREDNISolone	2 mg/kg IV (max 60mg)
PredniSONE/PrednisoLONE	2 mg/kg PO (max 50mg)
EPINEPHrine (for anaphylaxis)	0.01 mg/kg IM (1:1,000; 0.01 mL/kg) (max 0.3 mg)
Magnesium Sulfate (for asthma)	25-75 mg/kg IV (max 2 grams)
Racemic EPINEPHrine	0.25-0.5 mL nebulized inhalation (2.25% solution)
Terbutaline	6-10 mcg/kg IV (load over 10 minutes) 0.1-5 mcg/kg/min IV infusion

Resuscitation Equipment

Age	Approximate Weight (kg)	Laryngoscope Size	Uncuffed ETT Tube (4+ age in yrs/4)	Cuffed ETT Tube (3.5+ age in yrs/4)	ETT Suction Catheter (F°)	NG/OGTube (F°)	Central Venous Line (F°)	Chest Tube (F°) (~4 x ETT size)
Premature	<3	0.0	2.5-3.0	N/A	5	5	UVC 3.5-5	8
Full term	4	0-1	3.5	3.0	6.0-8.0	6	UVC 5	10-12
6 mo	8	1	4.0	3.5	8	8	3.0-4.0	10-14
1 year	10	1	4.0	3.5	8	8-10	3.0-4.0	16-20
2 years	12	1-1.5	4.5	4.0	8	10	4	16-20
5 years	20	2	5.0	4.5	10	12-14	4	24-32
10 years	30	2-3	6.5	6.0	12	14-18	4-5	28-32
12 years	40	3	7.0	6.5	14	18	5+	32-40
16 years	60	3	8.0	7.5	14	18	5+	32-40

*French

Normal Blood Pressure Estimates

70 + (2 x age in years) = 5th percentile systolic blood pressure

90 + (2 x age in years) = 50th percentile systolic blood pressure

(2/3 systolic blood pressure = diastolic blood pressure)

Lowest acceptable mean BP in neonates (5th %ile) = gestational age in weeks

Drug Infusions

Drug	Dose
DOBUtamine	2-20 mcg/kg/minute IV
DOPamine	2-20 mcg/kg/minute IV (CENTRAL line preferred)
EPINEPHrine	0.05-1 mcg/kg/minute IV (CENTRAL line preferred)
Insulin (Regular)	0.05-0.1 unit/kg/hour IV (for neonates start at 0.01 units/kg/hour)
Lidocaine	1 mg/kg IV (initial bolus) 20-50 mcg/kg/minute IV
Milrinone	0.25-1 mcg/kg/minute IV
Nitroprusside	0.25-8 mcg/kg/minute IV
Norepinephrine	0.05-2 mcg/kg/minute IV (CENTRAL line preferred)
Phenylephrine (Neo-Synephrine®)	5-20 mcg/kg IV (initial bolus) 0.05-1 mcg/kg/minute IV
Procainamide	6 mg/kg IV (load over 5 minutes, max 100 mg; may repeat 3 times total)
Prostaglandin E1 (Alprostadi®)	0.02-0.1 mcg/kg/minute IV
Vasopressin	0.5 units/kg IV (initial bolus) (CENTRAL line preferred)
Hypotension	10-200 milliUnits/kg/hour IV
GI Bleed	120-300 milliUnits/kg/hour IV
Diabetes insipidus	0.5-10 milliUnits/kg/hour IV

Antibiotic/Antiviral

Acyclovir	20 mg/kg IV	Clindamycin	neonates (<30 days) 6 mg/kg IV pediatric 10 mg/kg IV
Ampicillin for meningitis	50 mg/kg IV 100 mg/kg IV	Gentamicin	2.5 mg/kg IV (max dose 120 mg)
Ampicillin/Sulbactam (Unasyn®) for meningitis	37.5-75 mg/kg IV 75-150 mg/kg IV (max 3 grams)	Piperacillin/Tazobactam (Zosyn®)	<40 kg 112 mg/kg IV ≥ 40 kg and adults 3375 mg/IV
Cefotaxime	50 mg/kg IV	Trimethoprim/Sulfamethoxazole (Bactrim®)	5 mg TMP/kg IV
Cefoxitin	30 mg/kg IV	Vancomycin	15 mg/kg IV (max 1 gram)
Ceftazidime	33-50 mg/kg IV (max 2 grams)		
CefTRIAXone (Rocephin®)	75 mg/kg IV (max 2 grams)		
Cefuroxime	50 mg/kg IV (max 1 gram)		

Seizure Management

For documented hypoglycemia, see front for dextrose dosing

Diazepam (Valium®)	0.1-0.2 mg/kg IV 0.2-0.5 mg/kg Per Rectum (round to 2.5 mg increments PR; max 20 mg/dose)
LORazepam (Ativan®)	0.05-0.1 mg/kg IV (max 4 mg/dose)
Midazolam (Versed®)	0.2 mg/kg intranasal (max 10 mg, administer intranasal preparation only, 1/2 to each nostril) 0.2 mg/kg IM (max 10 mg)
PHENobarbital	15-20 mg/kg IV (max rate: if <60 kg 30 mg/minute, if ≥ 60 kg 50 mg/minute)
Phenytoin	15-20 mg/kg IV (<1 mg/kg/minute in NS)
Fosphenytoin	15-20 mg/kg IV (<3 mg/kg/minute)
Hypertonic Saline 3% (Sodium Chloride 3%)	2 mL/kg IV (max 20 mL/minute) (for hyponatremic seizures)