

ANTIMICROBIALS (IV) (DOSES FOR > 2KG)		
	Acyclovir	Neonatal HSV: 20 mg/kg/dose q8 hr HSV encephalitis: 3 mo - 12 yrs: 20 mg/kg/dose q8 hr. > 12 yrs - Adults: 10-15 mg/kg/dose q8 hr.
	Amphotericin B Liposomal	Empiric therapy: 3 mg/kg/dose q24 hr. Systemic fungal infections: 5 mg/kg/dose q24 hr.
	Ampicillin	0 - 7 days: 50 mg/kg/dose q8 hr. > 7 days: 50 mg/kg/dose q6 hr. Meningitis: 75 mg/kg/dose q6 hr. > 1 month: 50 mg/kg/dose q6 hr. Meningitis: 100 mg/kg/dose q6 hr. Usual Max: 2,000 mg/dose
	Ampicillin/Sulbactam (Unasyn)	> 1 month: 50 mg/kg/dose q6 hr. Serious infections: 75 mg/kg/dose q6 hr. Usual Max: 3,000 mg/dose.
	Azithromycin	Day 1: 10 mg/kg 1 st day. Usual Max 500 mg. Days 2-5: 5 mg/kg/day. Usual Max 250 mg/day. Pertussis < 6 months old 10 mg/kg/day for 5 days.
	Cefazolin	0 - 7 days: 20 mg/kg/dose q12 hr. > 7 days - 1 month: 20 mg/kg/dose q8 hr > 1 month: 33.3 mg/kg/dose q8 hr. Usual Max: 1,000 mg/dose
	Cefepime	0 - 14 days: 30 mg/kg/dose q12 hr > 14 days: 50 mg/kg/dose q12 hr. Serious Infection/Febrile neutropenia: 50 mg/kg/dose q8 hr. Usual Max: 2,000 mg/dose.
	Ceftriaxone	> 1 month: 50 mg/kg/dose q24 hr. Usual Max: 2,000 mg/dose. Meningitis: 100 mg/kg/dose q24 hr. Usual Max: 4,000 mg/dose
	Cefotaxime	50 mg/kg/dose q8 hr. Meningitis: 50 mg/kg q 6hr. Usual Max: 2,000 mg/dose.
	Clindamycin	0 - 7 days: 5 mg/kg/dose q8 hr. > 7 days: 5-10 mg/kg/dose q8 hr. Usual > 40 kg: 600 mg/dose.
	Fluconazole	> 14 days: Oropharyngeal Candidiasis - Day 1: 6 mg/kg, Subsequent 3 mg/kg/dose q24 hr. Systemic Candidiasis: 6-12 mg/kg/dose q24hr. Usual Max range: 200-400 mg/dose.
	Gentamicin	0 - 1 month: 4 mg/kg/dose q24 hr. > 1 month: 2-2.5 mg/kg/dose q8 hr. > 40 kg: 1.5-2.5 mg/kg/dose q8hr. Adjust dose based on levels.
	Meropenem	0 - 7 days: 20 mg/kg/dose q12 hr. > 7 days: 20 mg/kg/dose q8 hr. Usual > 40 kg: 1,000 mg/dose. Meningitis: 40 mg/kg/dose q8 hr. Usual > 40 kg: 2,000 mg/dose
	Metronidazole	0 - 7 days: 7.5 mg/kg/dose q12 hr. > 7 days - 1 month: 15 mg/kg/dose q12 hr > 1 month: 7.5 mg/kg/dose q6hr. Usual > 40 kg: 500-750 mg/dose q8 hr.
	Nafcillin	> 7 days: 25 mg/kg/dose q6 hr. Severe infections: 50 mg/kg/dose q4-6 hr. Usual > 40 kg: 2,000 mg/dose q6 hr.
	Vancomycin	0 - 7 days: 15 mg/kg/dose q12 hr. > 7 days: 15 mg/kg/dose q8 hr. Usual > 40 kg: 1000 mg q12 hr. CNS infection: 15 mg/kg/dose q6 hr. Usual > 40 kg: 1000 mg q8hr

ANTI-THROMBOTICS		
	Alteplase (TPA)	For catheter occlusion: < 10 kg: 0.5 mg/mL; > 10 kg: 1 mg/mL; instill 110 % of catheter volume
	Argatroban	Consult with Heme. Initial recommended dose: 1 microgram/kg/min. Maintenance dose: Titration per Hematology. Measure PTT after 2 hrs, adjust dose until the steady-state PTT is 1.5-3 times the initial baseline value, not exceeding 100 seconds.
	Enoxaparin	< 2 months: Prophylaxis: 0.75 mg/kg SC q12 hr, Treatment: 1.5 mg/kg SC q12 hr 2 months - < 40 kg: Prophylaxis: 0.5 mg/kg SC q12 hr, Treatment 1 mg/kg SC q12 hr Usual > 40 kg: Low risk prophylaxis: 40 mg SC q24 hr; High risk prophylaxis: 30 mg SC q12 hr; Treatment 1 mg/kg/dose SC q12 hr. Consult Heme and/or Pharmacy for dosage adjustments.
	Heparin	Load 50-75 units/kg IV. Usual Max 5,000 units. Followed by: < 1 year: 28 units/kg/hr. > 1 year: 20 units/kg/hr. Usual > 40 kg: 18 units/kg/hr. Titrate to goal PTT – See “Pediatric Protocol for Systemic Heparin” Adjustment in Lexicomp® Prophylaxis dose: 5-10 units/kg/hr.
	Papaverine (for A-line)	½ NS + 6 mg/50 mL Papaverine + 1 unit/mL heparin @ 1-3 mL/hr. Omit heparin for ECMO patients.

ASTHMA/ANAPHYLAXIS		
	Albuterol	2.5-5 mg/dose neb q1-4 hr PRN or 5-20 mg/hr continuous neb
	L-Epinephrine (1:1000)	IM/SC: 0.01 mg/kg/dose (Usual Max: 0.3 mg = 0.3 mL). Use IM for anaphylaxis. Inhaled: 2.5-5 mL/dose neb q1-4 hr PRN
	Ipratropium Bromide (Atrovent)	0.25-0.5 mg neb q6 hr
	Magnesium Sulfate	25-50 mg/kg/dose IV over 20 min; Usual > 40 kg: 2,000 mg/dose
	Terbutaline	0.01 mg/kg SC (Usual Max = 0.5 mg). IV continuous 10 micrograms/kg load, then usual range 0.4-6 microgram/kg/min
	Methylprednisolone	1 mg/kg/dose IV q6 hr (for severe status asthmaticus). Efficacy of > 60 mg/day for asthma unknown.
	Prednisone/ Prednisolone (Orapred)	1 mg/kg/dose PO q12 hr. Efficacy > 60 mg/day for asthma unknown.

CARDIOVASCULAR		
Antiarrhythmics	Aspirin	3-5 mg/kg/dose PO qday. Round to nearest 40 mg or 81 mg increment.
	Amiodarone	Pulseless VF/VT: 5 mg/kg IV. Usual > 40 kg: 300 mg IV. Infusion: 5-15 micrograms/kg/min IV. > 40 kg: 0.5-1 mg/min.
	Esmolol	50-200 micrograms/kg/min IV. > 40 kg: 2-21 mg/min IV
	Procainamide	Load: 5-15 mg/kg IV over 30 minutes. Usual > 40 kg: 500 mg Infusion: 20-80 micrograms/kg/min. > 40 kg: 1-4 mg/min.
	Propranolol (arrhythmias)	0.01-0.1 mg/kg/dose IV (Usual Max: 1 mg/dose if ≤ 1 yr; 3 mg/dose if > 1 yr). Usual > 40 kg: 1 mg IV, repeat dose q5 min for total of 5 mg.
Pressors:	Dobutamine	5-20 micrograms/kg/min IV. > 40 kg: 10-1,000 micrograms/min IV
	Dopamine	2-20 micrograms/kg/min IV. > 40 kg: 10-1,000 micrograms/min IV
	Epinephrine	0.05-1 micrograms/kg/min IV. > 40 kg: 1-12 micrograms/min IV
	Isoproterenol	0.05-2 micrograms/kg/min IV; keep HR < 200 BPM. > 40 kg: 2-20 micrograms/min
	Milrinone	Load: 50 micrograms/kg (typically not required), then 0.25-0.75 micrograms/kg/min.
	Norepinephrine	0.05-2 micrograms/kg/min IV. > 40 kg: 2-100 micrograms/min
	Phenylephrine	Bolus: 5-20 micrograms/kg/dose q10-15 min PRN; Infusion: 0.1-0.5 micrograms/kg/min. > 40 kg: Bolus: 100-500 micrograms/dose q10-15 min PRN; Infusion: 10-1000 micrograms/min.
Vasodilators:	Vasopressin (Shock Dose)	0.3-2 MILLIunits/kg/MIN, Titrate dose q20-30 min. > 40 kg: 0.01-0.04 UNITS/MIN.
	Alprostadil (Prostaglandin E1)	For patency of ductus arteriosus: Start 0.05-0.1 micrograms/kg/MIN IV, Maintenance 0.01-0.4 micrograms/kg/MIN
Antihypertensives:	Nitroglycerin	0.25-5 micrograms/kg/min IV. > 40 kg: 25-1000 micrograms/min IV
	Captopril PO	0.05-0.5 mg/kg/dose PO q8 hr. > 40 kg: Start 12.5 mg PO q8 hr. Usual Max 150 mg/dose.
	Enalaprilat IV	5-10 micrograms/kg/dose q8-24 hrs. > 40 kg: 0.625-1.25 mg/dose q6 hr; Usual Max: 5 mg/dose
	Hydralazine IV/IM	0.1-0.2 mg/kg/dose IV/IM q4-6 hr. Repeat as needed; not to exceed 20 mg/dose. > 40 kg: Initial 10-20 mg/dose q4-6 hr, can increase to 40 mg/dose.
	Labetalol IV	0.2-1 mg/kg/dose, repeat as needed; Infusion 0.2-1 mg/kg/hr. May use up to 3 mg/kg/hr. > 40 kg: Initial: 20 mg/dose q4-6 hr. May repeat 40-80 mg q10 min. Usual cumulative Max 300 mg. Infusion: Initial 10-20 mg/hr IV, up to 40-180 mg/hr IV
	Nicardipine IV	Initial: 0.5-1 micrograms/kg/min; titrate q15-30 min; Max dose: 4-5 micrograms/kg/min. > 40 kg: Initial: 5 mg/hr; increase by 2.5 mg/hr q15 min to a Usual Max of 15 mg/hr.
	Nitroprusside	Start 0.5 micrograms/kg/min; Max: 5 micrograms/kg/min. > 40 kg: 10-800 micrograms/min. Monitor BP and thiocyanate levels.

COLLOIDS		
	Albumin 5%	10 mL/kg
	Albumin 25%	2 mL/kg = 0.5 grams/kg
	Cryoprecipitate	1 unit/kg
	FFP	10-15 mL/kg (1 unit ~ 200mL)
	Packed RBC	15-20 mL/kg (1unit ~ 300mL, PEDI-Pack ~ 30-90 mL)
	Platelets	10 mL/kg (1 unit ~ 50 mL)

DIURETICS		
	Bumetanide (Bumex)	< 1 month: 0.01-0.05 mg/kg/dose IV q24-48hr. > 1 month: 0.05-0.1 mg/kg/dose IV q6-24 hr. > 40 kg: 0.5-1 mg/dose IV q6-24 hr. Usual Max dose 10 mg/day.
	Chlorothiazide (Diuril)	1-4 mg/kg/dose IV q12 hr (up to 10 mg/kg/dose IV have been used); 10-20 mg/kg/dose PO q12 hr. > 40 kg: 50-250mg IV q12 hr; 125-1000 mg PO q12 hr.
	Fenoldopam	Consider only after refractory to other therapy. Consult attending and pharmacy for dosing.
	Furosemide (Lasix)	1-2 mg/kg/dose IV/PO q6-12 hr. Infusion: 0.05-0.5 mg/kg/hr. > 40 kg: 20-80 mg/dose IV/PO q6-12 hr. Infusion: 5-20 mg/hr. Titrate to desired diuresis.
	Spirolactone (Aldactone)	1-1.5 mg/kg/dose PO q12-24 hr. > 40 kg: 25-100 mg PO q12 hr.

ELECTROLYTES		
	Calcium Gluconate	100 mg/kg/dose IV (0.45 mEq/kg elemental). Usual Max: 2,000 mg/dose
	Potassium Chloride	0.5-1 mEq/kg PO/IV. Usual Max: 40 mEq/dose. Consider giving orally if level > 2.5 mEq/L or not NPO.
	K-Phosphate/Na-Phosphate	Initial 0.08-0.36 mmol/kg/dose, up to 0.64 mmol/kg/dose. Usual Max: 15 mmol/dose
	Magnesium Sulfate	25-50 mg/kg/dose IV. Usual > 40 kg: 2,000 mg/dose
	NaHCO3	1-2 mEq/kg/dose IV PRN. Usual Max 50 mEq/dose IV
	Tromethamine (THAM)	1 mL/kg for each pH unit < 7.4 IV PRN

GI/METABOLIC	Alprostadil (Prostaglandin E1)	Liver (post transplant): Start 0.1-0.6 micrograms/kg/HR. Consult with transplant service.
	Esomeprazole (Nexium)	1.33 mg/kg/dose IV q 24 hr. > 40 kg: 20-40 mg/dose q24 hr. Switch to PO Omeprazole once patient is tolerating enteral feeds.
	Glucagon	0.02 mg/kg/dose SC/IM/IV x 1. Max: 0.5 mg/dose. > 20 kg: 1 mg SC/IM/IV. May repeat in 20 min
	Glucose	Neonate - bolus D ₁₀ W 2-4 mL/kg IV, Children -bolus D ₅ W 2 mL/kg IV (0.5 grams/kg)
	Insulin (Regular)	Non-DKA Management Infusion: See separate "Insulin Infusion Algorithm for Non-DKA Hyperglycemia". Intermittent Dosing Algorithm: Glucose level: 80-150 - 0 units regular insulin SC 151-200 - 1 unit regular insulin SC 201- 250 - 2 units regular insulin SC 251-300 - 4 units regular insulin SC 301-350 - 6 units regular insulin SC 351-400 - 8 units regular insulin SC >400 - 10 units regular insulin SC and call physician.
	Kayexelate	1 gram/kg PO/PR q6 hr PRN. > 40 kg: 15-30 grams PO/PR q6 hr PRN.
	Omeprazole	1 mg/kg/dose PO/PG q24 hr. > 40 kg: 20-40 mg PO/PG q24 hr.
	Metoclopramide	0.1-0.2 mg/kg/dose IV/PO q6 hr. Usual Max: 10 mg/dose
	Octreotide (GI Bleeding)	1-2 micrograms/kg/hr IV. > 40 kg: 25-50 micrograms/hr IV
	Ramitidine	1 mg/kg/dose IV q8 hr. Usual Max: 50 mg/dose; 2-2.5 mg/kg/dose PO q12 hr. Usual Max: 150 mg/dose
	Ondansetron (Zofran)	Post-op N/V: 0.1 mg/kg IV q8 hr PRN; Usual > 40 kg: 4 mg IV q8 hr PRN. Chemo-associated N/V: 0.15 mg/kg/dose IV/PO q8 hr PRN; Max 8 mg/dose
	Vasopressin	DI 0.5-10 MILLIunits/kg/HR IV; 2.5-10 units SC q6-12 hr. > 40 kg: 2.4-10 UNITS/HR GI Bleed: 0.002-0.01 UNITS/kg/MIN IV, taper over 24 hr. > 40 kg: 0.1-0.4 UNITS/MIN

NEUROMUSCULAR BLOCKERS	Cisatracurium	0.1-0.2 mg/kg IV q1 hr PRN, Infusion: 0.06-0.18 mg/kg/hr IV. > 40 kg: 10-20mg IV q1 hr PRN, Infusion: 1-10mg/hr.
	Pancuronium	0.1 mg/kg IV q1 hr PRN, Infusion: 0.05-0.1 mg/kg/hr IV. > 40 kg: 1-4 mg IV q1 hr PRN. Infusion not typically used.
	Vecuronium	0.1 mg/kg IV q1 hr PRN, Infusion: 0.1 mg/kg/hr IV. > 40 kg: 5-10 mg IV q1 hr PRN. Infusion: 1-10 mg/hr IV

NEUROLOGIC	Diazepam (Diastat)	2-5 yrs: 0.5 mg/kg/dose PR, 6-11 yrs: 0.3 mg/kg/dose PR, ≥ 12 yrs: 0.2 mg/kg/dose PR (Round to 2.5, 5 or 10 mg)
	Lorazepam (Ativan)	0.1 mg/kg/dose; Usual Max: 4 mg/dose
	Phenobarbital (Status Epilepticus)	20 mg/kg/dose IV. Repeat 10 mg/kg PRN x2 to cumulative total 40 mg/kg; maintenance 2.5 mg/kg/dose q12 hr
	Fosphenytoin (Status Epilepticus)	20 mg/kg/dose PE IV; maintenance 2.5 mg/kg/dose PE q12 hr.
	TBI: 3% saline	Load 2 mL/kg, infusion: start at 1 mL/kg/hr. Titrate to target serum level. Hyponatremic seizure: 4-6 mL/kg IV bolus over 60 min.
	23.4% Saline (Increased ICP)	Only for > 40 kg - 30mL IV over 20 min, central administration preferred
	Intratracheal Lidocaine 1%	Only for > 40 kg - Pre-suctioning to blunt ICP spike: 1-2 mL (10-20 mg) INTRATRACHEALLY q6hrs PRN
	Mannitol	0.5-1 grams/kg/dose IV; repeat q2-4 hr PRN. Usual Max: 25 grams/dose.
	Pentobarbital Coma	Load 5-15 mg/kg IV, infusion 1-3 mg/kg/hr IV. > 40 kg: Load 50-200 mg IV, infusion 50-400 mg/hr IV.

REVERSAL AGENTS	Naloxone (for Opioid)	0.01-0.1 mg/kg/dose IV/IM/SC. > 20 kg: 2 mg/dose. Use lower range for partial reversal.
	Flumazenil (for Benzodiazepine)	0.01 mg/kg. Usual Max 0.2 mg/dose.
	Non-Depolarizing NMB	Neostigmine 0.025-0.1 mg/kg/dose IV (always precede with Atropine several minutes prior). > 40 kg: 0.5-2.5 mg/dose IV. Usual Max cumulative dose : 5 mg Atropine 0.02 mg/kg IV/IM/SC. Absolute Min 0.1 mg, Usual Max: 1 mg/dose

SEDATIVES/ANALGESICS	Chloral hydrate	25-50 mg/kg PO/PR q6-8 hr PRN. > 40 kg: 250-1,000 mg/dose. Do not exceed 2,000 mg/day.
	Transdermal Clonidine	5-10 microgram/kg every 7 days, supplied as 0.1 mg/24 hrs, 0.2 mg/24hrs, 0.3 mg/24hrs. > 40 kg: 0.1-0.3 mg/day.
	Dexmedetomidine (Precedex)	0.2-0.7 micrograms/kg/hr IV. Do not exceed 24 hr of use. Must consult pharmacy to use.
	Diphenhydramine (Benadryl)	1 mg/kg/dose IV/PO q6 hr PRN. > 40 kg: 25-50 mg/dose PRN
	Fentanyl	Initial: 1-2 micrograms/kg/dose IV PRN; Infusion: 1-2 micrograms/kg/hr IV. > 40 kg: Starting doses: 25-100 micrograms/dose IV. Infusion 50-200 micrograms/hr IV.
	Haloperidol (Haldol)	Consult pharmacy for dosing and monitoring guidelines.
	Ketamine	1-2 mg/kg IV, 4-5 mg/kg IM. Infusion: 5-20 micrograms/kg/min IV
	Ketorolac (Toradol)	0.25-0.5 mg/kg IV q6 hr. Usual Max 15-30 mg/dose. Use limited to 72 hr.
	Lorazepam (Ativan)	Initial: 0.05-0.1 mg/kg/dose IV/PO q 4-6 hr PRN. Usual > 40 kg: 0.5-2 mg/dose IV/PO
	Midazolam (Versed)	Initial: 0.05-0.1 mg/kg/dose IV q1 hr PRN, Infusion: 0.05-0.1 mg/kg/hr IV. > 40 kg: 0.5-2 mg/dose IV q1hr PRN, Infusion: 1-2.5 mg/hr.
	Morphine	Initial: 0.05-0.1 mg/kg/dose IV q1-2 hr PRN; Infusion: 0.05-0.1 mg/kg/hr IV > 40 kg: 2-10 mg/dose q1 hr PRN. Infusion: 1-20 mg/hr IV.
	Propofol	Initial: 1-3 mg/kg/dose q30 min IV PRN. Infusion: 0.5-5 mg/kg/hr (infusion limited to 8-12 hr). > 40 kg: 10-50 mg/dose IV; Infusion: 25-300 mg/hr IV

STEROIDS (ALSO SEE ASTHMA)	Cosyntropin (ACTH) Stim test	< 1 mo: 0.015 mg/kg/dose IV, < 2 yrs: 0.125 mg IV, > 2 yrs: 0.25 mg IV Check cortisol prior and 30 min after
	Dexamethasone (Airway Edema)	< 1 mo: 0.25 mg/kg/dose PO/IV/IM > 1 mo: 0.5 mg/kg PO/IV/IM q8 hr. Usual Max: 10 mg/dose
	Hydrocortisone (Stress Dose)	Load 2 mg/kg/dose IV. Usual Max: 100 mg/dose Then 1-2 mg/kg/dose IV q6-8 hr. Usual Max: 50-75 mg/dose



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USUAL MAX IS INDICATED TO MEAN DOSE PER KG MAX IN PEDIATRICS; AND > 40KG IS INDICATED TO MEAN USUAL ADULT DOSING



RESUSCITATION	OXYGEN 100%, Place IV, Place on monitors	RAPID SEQUENCE INTUBATION: OXYGEN 100% TITRATE DOSES FOR DESIRED EFFECT
Adenosine	0.1 mg/kg rapid IV push (Max 6 mg/dose) Repeat doses at 0.2 mg/kg (Max 12 mg/dose)	Premedications: Atropine 0.02 mg/kg IV, Min 0.1 mg; Usual Max 1 mg Lidocaine 1 mg/kg IV, Usual Max: 100 mg IV
Amiodarone	Pulseless VF/VT: 5 mg/kg IV. Usual Max: 300 mg/dose IV. Infusion: 5-15 micrograms/kg/min IV. > 40 kg: 0.5-1 mg/min	Sedatives: Etomidate 0.2-0.6 mg/kg IV, Usual > 40 kg: 20 mg IV Midazolam 0.1 mg/kg IV, Usual > 40 kg: 2-5 mg IV Thiopental 1-5 mg/kg IV, Usual > 40 kg: 50-200 mg Propofol 1-3 mg/kg IV, Usual > 40 kg: 50-300 mg IV Ketamine 1-2 mg/kg IV, Usual > 40 kg: 100 mg IV 4-5 mg/kg IM, Usual > 40 kg: 250 mg IM
Atropine	0.02 mg/kg IV/IM/ETT. Min 0.1 mg; Max 1 mg	Analgesic: Fentanyl 1-2 micrograms/kg IV, Usual > 40 kg: 50-100 micrograms
Na-Bicarbonate	1-2 mEq/kg IV, repeat PRN. Usual Max 50 mEq	Neuromuscular Blockers Succinylcholine < 1 yr old: 2 mg/kg IV; >1 yr old: 1 mg/kg IV Usual > 40 kg: 100-150 mg IV 4 mg/kg IM, Usual > 40 kg: 150 mg IM.
Calcium Chloride	20 mg/kg slow IVP. Usual Max: 500-1,000 mg	Pancuronium 0.1 mg/kg IV Cisatracurium 0.1 mg/kg IV Rocuronium 0.6-1.2 mg/kg IV Vecuronium 0.1 mg/kg IV, Usual > 40 kg 5-10 mg IV
Calcium Gluconate	100 mg/kg IV, Usual Max: 2,000 mg	
Epinephrine	0.01 mg/kg = 0.1 mL/kg (1:10,000) IV/IO. Max: 1 mg 0.1 mg/kg = 0.1 mL/kg (1:1000) via ETT. Max 10 mg	
Lidocaine	1 mg/kg IV, Usual Max 100 mg IV 2-3 mg/kg via ETT. Usual Max 300 mg via ETT. Infusion: 20-50 micrograms/kg/min IV, > 40 kg: 1-2 mg/min VT with pulse: 15 mg/kg over 30-60 min > 40 kg: 20 mg/min, Max cumulative: 17 mg/kg	
Procainamide		
Cardioversion	0.5-1 Joules/kg Synchronous, repeat 1-2 Joules/kg	
Defibrillation	2 Joules/kg Asynchronous, repeat 4 Joules/kg Max: Biphasic 150 Joules, Monophasic 350 Joules	
Pacing	Change to "Fixed" mode. Set HR 100. Increase mAmp quickly until every beat is captured. Set HR based on BP and perfusion.	
Mannitol	0.5-1 gram/kg IV, Usual Max 25-50 grams	

AGE, APPROXIMATE BODY SIZE, AND AIRWAY													
Age	Birth	6 mo	1 yr	2 yr	3 yr	4 yr	5 yr	6yr	8 yr	10 yr	12 yr	14 yr	Adult
Average Weight (kg)	3.5	7	10	12	14	16	18	20	20	30	40	50	70
Approx Surface Area (M ²)	0.25	0.38	0.49	0.55	0.64	0.74	0.76	0.82	0.95	1.18	1.34	1.50	1.73
ETT Size (Age + 16)/4	3-3.5	3.5-4	4	4.5	4.5	5	5	5.5	6	6.5	7	7.5	8
Teeth to Mid-Carina (cm)	9	11	12	13	14	14	15	15	16	17	18	20	20
Nares to Mid-Carina (cm)	10	12	14	15	16	17	18	19	20	21	22	23	24
LMA Size	1	1.5	2	2	2	2	2	2.5	2.5	3	3	4	4
LMA Max cuff volume (mL)	4	7	10	10	10	10	10	14	14	20	20	30	30