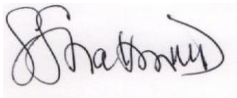
DRUG CONCENTRATION	DOSE	Preemie	Newborn	3 MO	6 MO	1-2 YR	3-4 YR	5-6 YR	7-8 YR	9-10 YR	11-12 YR
cm Range for age		0-53 cm	54-58 cm	59-65 cm	66-74 cm	75-86 cm	87-99 cm	100-113 cm	114-132 cm	133-158 cm	159-189 cm
KG/LB		2kg/4lb	3kg/7lb	5kg/11lb	7kg/15lb	11kg/24lb	15kg/33lb	19kg/42lb	24kg/52lb	31kg/68lb	40kg/88lb
normal HR/RR		120-170 40-60	100-170 40-60	100-170 30-50	100-170 30-50	100-170 30-40	100-160 20-30	75-120 20	70-110 16	60-105 16	60-100 16
Initial Defib J (Biphasic)		5J	5J	10J	20J	20J	30J	50J	50J	100J	100J
Adenosine IV (initial) 6 mg/2 mL	0.1 mg/kg	0.1 mL	0.1 mL	0.2 mL	0.2 mL	0.4 mL	0.5 mL	0.6 mL	0.8 mL	1 mL	1.3 mL
Adenosine IV (repeat) 6 mg/2 mL	0.2 mg/kg	0.1 mL	0.2 mL	0.4 mL	0.5 mL	0.7 mL	1 mL	1.3 mL	1.6 mL	2 mL	2.7 mL
Albuterol 2.5 mg/3mL	via nebulizer at 8L/min flow rate	6 mL	6 mL	6 mL	6 mL	6 mL	6 mL	6 mL	6 mL	6 mL	6 mL
Amiodarone IV/IO for VF/ pulseless VT 150 mg/3 mL	5 mg/kg	0.2 mL	0.3 mL	0.5 mL	0.7 mL	1.1 mL	1.5 mL	1.9 mL	2.4 mL	3 mL	3 mL
Amiodarone IV /IO for VT with pulse 150 mg/3 mL	5 mg/kg over 10 minutes	0.2 mL	0.3 mL	0.5 mL	0.7 mL	1.1 mL	1.5 mL	1.9 mL	2.4 mL	3 mL	3 mL
Atropine IV/IO/IM 1 mg/mL (Symptomatic Bradycardia dosing)	0.02 mg/kg	---	----	0.1 mL	0.1 mL	0.2 mL	0.3 mL	0.4 mL	0.5 mL	0.5 mL	0.5 mL
Atropine IV/IM 1 mg/mL (Organophosphate toxicitydosing)	0.10 mg/kg	---	---	0.5 mL	0.5 mL	0.5 mL	0.5mL	0.5 mL	0.5 mL	0.5 mL	0.5 mL
Dextrose 50% IV/IO 25 gm/50 mL	>age 2 1 mL/kg	—	—	—	—	—	15 mL	20 mL	25 mL	30 mL	40 mL
Dextrose 25% IV/IO 12.5 gm/50 mL	< age 2 2 mL/kg	4 mL	6 mL	10 mL	15 mL	25 mL	—	—	—	—	—
Diphenhydramine IM/IV/IO 50 mg/mL	1 mg/kg	—	—	0.1 mL	0.1 mL	0.2 mL	0.3 mL	0.4 mL	0.5 mL	0.6 mL	0.8 mL
Dopamine IV/IO 80 mg/250 mL NS	IV infusion	See separate dosing chart									
Epinephrine SQ (1:1000) 1 mg/mL	0.01 mg/kg	0.02 mL	0.03 mL	0.05 mL	0.07 mL	0.1 mL	0.15 mL	0.2 mL	0.25 mL	0.3 mL	0.3 mL
Epinephrine IV/IO(1:10,000)1 mg/10 mL	0.01 mg/kg	0.2 mL	0.3 mL	0.5 mL	0.7 mL	1 mL	1.5 mL	2 mL	2.5 mL	3 mL	4 mL
Fentanyl IN/IV/IM 100 mcg/2 mL	2 mcg/kg	-	-	0.2 mL	0.3 mL	0.5 mL	0.6 mL	0.8 mL	1.0 mL	1.0 mL	1.0 mL
Glucagon IM 1 mg/mL	0.5 mg	0.5 mL	0.5 mL	0.5 mL	0.5 mL	0.5 mL	0.5 mL	0.5 mL	0.5 mL	0.5 mL	0.5 mL
Lidocaine 2% anesthesia for IO infusion 100 mg/5 mL	0.5 mg/kg	--	0.1 mL	0.1 mL	0.2 mL	0.3 mL	0.4 mL	0.5 mL	0.6 mL	0.8 mL	1 mL
Midazolam IN/IM/IV 5 mg/1 mL **1. BASE ORDER REQUIRED FOR SVT CARDIOVERSION SEDATION** **2. DO NOT ADMINISTER IV FOR SEIZURE**	0.1 mg/kg	--	--	--	--	0.2 mL	0.3 mL	0.4 mL	0.5 mL	0.6 mL	0.8 mL
Morphine IV 4 mg/1 mL carpuject	0.1 mg/kg	_	_	0.12 mL	0.2 mL	0.3 mL	0.4 mL	0.5 mL	0.6 mL	0.8 mL	1 mL
Morphine IV 10 mg/10 mL carpuject	0.1 mg/kg	--	--	0.5 mL	0.7 mL	1.1 mL	1.5 mL	1.9 mL	2.4 mL	3.1 mL	4.0 mL
Morphine IV 10 mg/1 mL vial	0.1 mg/kg	--	--	--	0.1 mL	0.1 mL	0.15 mL	0.2 mL	0.25 mL	0.3 mL	0.4 mL

Approved: 

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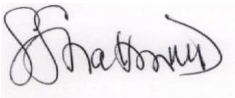
Initial Defib J (Biphasic)		5J	5J	10J	20J	20J	30J	50J	50J	100J	100J
Morphine IM 10 mg/1 mL vial Must be labled as approved for IM use	01. mg/kg	--	--	--	0.1 mL	0.1 mL	0.15 mL	0.2 mL	0.25 mL	0.3 mL	0.4 mL
Naloxone IV/IM/IN 0.8 mg/2 mL	0.1 mg/kg max 0.8 mg	0.5 mL	0.8 mL	1.4 mL	1.8 mL	2 mL	2 mL	2 mL	2 mL	2 mL	2 mL
Naloxone IV/IM/IN 1 mg/1mL	0.1 mg/kg max 1 mg	0.2 mL	0.3 mL	0.5 mL	0.7 mL	1 mL	1 mL	1 mL	1 mL	1 mL	1 mL
Normal Saline IV/IO 0.9% NaCl	20 mL/kg up to 250 mL per bolus	40 mL	60 mL	110 mL	140 mL	220 mL	250 mL	250 mL	250 mL	250 mL	250 mL
Normal Saline 0.9% NaCl	via nebulizer at 8L/min flow rate	----	----	3 mL	3 mL	3 mL	3 mL	3 mL	3 mL	3 mL	3 mL
Ondansetron, ODT (Zofran)	4 mg ODT	----	—	—	—	—	4 mg	4 mg	4 mg	4 mg	4 mg
Sodium Bicarb IV/IO 50 mEq/50 mL	1 mEq/kg	2 mL 1:1 dilution	3 mL 1:1 dilution	5 mL	7 mL	11 mL	15 mL	19 mL	24 mL	31 mL	40 mL
Sodium Thiosulfate IV/IO 12.5 gm//50 mL	1.6 mL/kg	3 mL	5 mL	8 mL	11 mL	18 mL	24 mL	30 mL	38 mL	50 mL	50 mL

Approved: