



ADENOSINE

SUPRAVENTRICULAR TACHYCARDIA

CONCENTRATION: 3mg/mL

ROUTE = Rapid IV/IO

WEIGHT	DOSE (mg)	GIVE (mL)
GRAY (3-5 kg)	1 st – 0.45 mg	1 st – 0.15 mL
	2 nd – 0.90 mg	2 nd – 0.30 mL
PINK (6-7 kg)	1 st – 0.66 mg	1 st – 0.22 mL
	2 nd – 1.35 mg	2 nd – 0.45 mL
RED (8-9 kg)	1 st – 0.90 mg	1 st – 0.30 mL
	2 nd – 1.80 mg	2 nd – 0.60 mL
PURPLE (10-11 kg)	1 st – 1.00 mg	1 st – 0.33 mL
	2 nd – 2.00 mg	2 nd – 0.66 mL
YELLOW (12-14 kg)	1 st – 1.35 mg	1 st – 0.45 mL
	2 nd – 2.70 mg	2 nd – 0.90 mL
WHITE (15-18 kg)	1 st – 1.80 mg	1 st – 0.60 mL
	2 nd – 3.60 mg	2 nd – 1.20 mL
BLUE (19-23 kg)	1 st – 2.10 mg	1 st – 0.70 mL
	2 nd – 4.20 mg	2 nd – 1.40 mL
ORANGE (24-29 kg)	1 st – 2.70 mg	1 st – 0.90 mL
	2 nd – 5.40 mg	2 nd – 1.80 mL
GREEN (30-36 kg)	1 st – 3.30 mg	1 st – 1.10 mL
	2 nd – 6.60 mg	2 nd – 2.20 mL
(37-40 kg)	1 st – 3.90 mg	1 st – 1.30 mL
	2 nd – 7.80 mg	2 nd – 2.60 mL

Version 2



ALBUTEROL

RESPIRATORY DISTRESS WITH BRONCHOSPASM
ALLERGIC REACTION
CRUSH SYNDROME

CONCENTRATION = 0.83 mg/mL

ROUTE = VIA HANDHELD NEBULIZER, MASK, OR INLINE WITH BVM OR CPAP

WEIGHT	DOSE (mg)	GIVE (mL)
GRAY (3-5 kg)	5 mg	6 mL
PINK (6-7 kg)	5 mg	6 mL
RED (8-9 kg)	5 mg	6 mL
PURPLE (10-11 kg)	5 mg	6 mL
YELLOW (12-14 kg)	5 mg	6 mL
WHITE (15-18 kg)	5 mg	6 mL
BLUE (19-23 kg)	5 mg	6 mL
ORANGE (24-29 kg)	5 mg	6 mL
GREEN (30-36 kg)	5 mg	6 mL
(37-40 kg)	5 mg	6 mL

Version 2



AMIODARONE

VENTRICULAR TACHYCARDIA WITH PULSES

CONCENTRATION = 50 mg/mL

ROUTE = IV/IO

Add dose to 100 mL of NS IV/IO Drip over 20-60 min.

*****Physician Order Only*****

WEIGHT	DOSE (mg)	GIVE (mL)
GRAY (3-5 kg)	NOT INDICATED	
PINK (6-7 kg)	35 mg	0.7 mL
RED (8-9 kg)	45 mg	0.9 mL
PURPLE (10-11 kg)	55 mg	1.1 mL
YELLOW (12-14 kg)	65 mg	1.3 mL
WHITE (15-18 kg)	85 mg	1.7 mL
BLUE (19-23 kg)	100 mg	2 mL
ORANGE (24-29 kg)	135 mg	2.7 mL
GREEN (30-36 kg)	150 mg	3 mL
(37-40 kg)	150 mg	3 mL

Version 2



ATROPINE (preload)

*****MULTIPLE ATROPINE CARDS*****

INDICATION = SYMPTOMATIC BRADYCARDIA

CONCENTRATION = 0.1 mg/mL

ROUTE = IV/IO

WEIGHT	DOSE (mg)	GIVE (mL)
GRAY (3-5 kg)	0.1 mg	1 mL
PINK (6-7 kg)	0.13 mg	1.3 mL
RED (8-9 kg)	0.17 mg	1.7 mL
PURPLE (10-11 kg)	0.2 mg	2 mL
YELLOW (12-14 kg)	0.25 mg	2.5 mL
WHITE (15-18 kg)	0.35 mg	3.5 mL
BLUE (19-23 kg)	0.42 mg	4.2 mL
ORANGE (24-29 kg)	0.5 mg	5 mL
GREEN (30-36 kg)	0.5 mg	5 mL
(37-40 kg)	0.5 mg	5 mL

Version 2



ATROPINE (multi-dose vial)

*****MULTIPLE ATROPINE CARDS*****

INDICATION = ORGANOPHOSPHATE POISONING

CONCENTRATION = 0.4 mg/mL

ROUTE = IV/IO/IM

WEIGHT	DOSE (mg)	GIVE (mL)
GRAY (3-5 kg)	0.25 mg	0.63 mL
PINK (6-7 kg)	0.35 mg	0.89 mL
RED (8-9 kg)	0.45 mg	1.13 mL
PURPLE (10-11 kg)	0.55 mg	1.38 mL
YELLOW 12-14 kg)	0.65 mg	1.63 mL
WHITE (15-18 kg)	0.85 mg	2.13 mL
BLUE (19-23 kg)	1.1 mg	2.75 mL
ORANGE (24-29 kg)	1.35 mg	3.38 mL
GREEN (30-36 kg)	1.7 mg	4.25 mL
(37-40 kg)	2 mg	5 mL

Version 2



DEXTROSE 10%

HYPOGLYCEMIA

CONCENTRATION = 0.1g/mL

ROUTE = IV/IO DRIP

WEIGHT	DOSE (g)	GIVE (mL)
GRAY (3-5 kg)	2 g	20 mL
PINK (6-7 kg)	3.5 g	35 mL
RED (8-9 kg)	4.5 g	45 mL
PURPLE (10-11 kg)	5.5 g	55 mL
YELLOW (12-14 kg)	6.5 g	65 mL
WHITE (15-18 kg)	8.5 g	85 mL
BLUE (19-23 kg)	11 g	110 mL
ORANGE (24-29 kg)	13 g	130 mL
GREEN (30-36 kg)	17 g	170 mL
(37-40 kg)	19.5 g	195 mL

Version 2



DIPHENHYDRAMINE

ALLERGIC REACTION/ANAPHYLAXIS

NAUSEA/VOMITING

CONCENTRATION = 50 mg/ml

ROUTE = IV/IO/IM

BASE ORDER REQUIRED FOR REPEAT DOSING

WEIGHT	DOSE (mg)	GIVE (ml)
GRAY (3-5 kg)	4 mg	0.08 mL
PINK (6-7 kg)	7 mg	0.14 mL
RED (8-9 kg)	9 mg	0.18 mL
PURPLE (10-11 kg)	11 mg	0.22 mL
YELLOW (12-14 kg)	13 mg	0.26 mL
WHITE (15-18 kg)	17 mg	0.34 mL
BLUE (19-23 kg)	22 mg	0.44 mL
ORANGE (24-29 kg)	27 mg	0.54 mL
GREEN (30-36 kg)	34 mg	0.68 mL
(37-40 kg)	39 mg	0.78 mL

Version 2



EPINEPHRINE 1:1,000

*****MULTIPLE EPINEPHRINE CARDS*****

INDICATION = SEVERE RESPIRATORY DISTRESS & ANAPHYLAXIS

CONCENTRATION = 1 mg/mL

ROUTE = IM

*****MAY REPEAT ONCE*****

WEIGHT	DOSE (mg)	GIVE (mL)
GRAY (3-5 kg)	0.04 mg	0.04 mL
PINK (6-7 kg)	0.06 mg	0.06 mL
RED (8-9 kg)	0.08 mg	0.08 mL
PURPLE (10-11 kg)	0.1 mg	0.1 mL
YELLOW (12-14 kg)	0.13 mg	0.13mL
WHITE (15-18 kg)	0.17 mg	0.17 mL
BLUE (19-23 kg)	0.21 mg	0.21 mL
ORANGE (24-29 kg)	0.27 mg	0.27 mL
GREEN (30-36 kg)	0.3 mg	0.3 mL
(37-40 kg)	0.3 mg	0.3 mL

Version 2



EPINEPHRINE 1:10,000

*****MULTIPLE EPINEPHRINE CARDS*****

INDICATION = PEDIATRIC BRADYCARDIA

CONCENTRATION = 0.1 mg/mL

ROUTE = IV/IO

WEIGHT	DOSE (mg)	GIVE (mL)
GRAY (3-5 kg)	0.04 mg	0.4 mL
PINK (6-7 kg)	0.07 mg	0.7 mL
RED (8-9 kg)	0.09 mg	0.9 mL
PURPLE (10-11 kg)	0.11 mg	1.1 mL
YELLOW (12-14 kg)	0.13 mg	1.3 mL
WHITE (15-18 kg)	0.17 mg	1.7 mL
BLUE (19-23 kg)	0.2 mg	2 mL
ORANGE (24-29 kg)	0.27 mg	2.7 mL
GREEN (30-36 kg)	0.33 mg	3.3 mL
(37-40 kg)	0.4 mg	4 mL

Version 2



FENTANYL

PAIN MANAGEMENT

CONCENTRATION = 50 mcg/mL

ROUTE = IV/IO/IN

WEIGHT	DOSE (μ g)	GIVE (mL)
GRAY (3-5 kg)	NOT INDICATED	
PINK (6-7 kg)	7 mcg	0.14 mL
RED (8-9 kg)	9 mcg	0.18 mL
PURPLE (10-11 kg)	11 mcg	0.22 mL
YELLOW (12-14 kg)	13 mcg	0.26 mL
WHITE (15-18 kg)	17 mcg	0.34 mL
BLUE (19-23 kg)	22 mcg	0.44 mL
ORANGE (24-29 kg)	27 mcg	0.54 mL
GREEN (30-36 kg)	34 mcg	0.68 mL
(37-40 kg)	39 mcg	0.78 mL

Version 2



IPRATROPIUM

RESPIRATORY DISTRESS WITH BRONCHOSPASM

CONCENTRATION = 0.167 mg/mL

ROUTE = VIA HANDHELD NEBULIZER, MASK OR INLINE WITH BVM OR CPAP

WEIGHT	DOSE (mg)	GIVE (mL)
GRAY (3-5 kg)	0.5 mg	3 mL
PINK (6-7 kg)	0.5 mg	3 mL
RED (8-9 kg)	0.5 mg	3 mL
PURPLE (10-11 kg)	0.5 mg	3 mL
YELLOW (12-14 kg)	0.5 mg	3 mL
WHITE (15-18 kg)	0.5 mg	3 mL
BLUE (19-23 kg)	0.5 mg	3 mL
ORANGE (24-29 kg)	0.5 mg	3 mL
GREEN (30-36 kg)	0.5 mg	3 mL
(37-40 kg)	0.5 mg	3 mL

Version 2



LIDOCAINE

ANESTHETIC FOR IO PLACEMENT

CONCENTRATION = 100 mg/ 5 mL (20 mg/mL)

ROUTE = IO Over 2 minutes

FLUSH WITH 10ml NS AFTER ADMINISTRATION

CONSIDER SECOND DOSE IF CLINICALLY INDICATED; AND

ADMINISTER ½ OF THE INITIAL DOSE

WEIGHT	DOSE (mg)	GIVE (mL)
GRAY (3-5 kg)	Not Indicated	
PINK (6-7 kg)	3 mg	0.15 mL
RED (8-9 kg)	4 mg	0.20 mL
PURPLE (10-11 kg)	5 mg	0.25 mL
YELLOW (12-14 kg)	7 mg	0.35 mL
WHITE (15-18 kg)	9 mg	0.45 mL
BLUE (19-23 kg)	10 mg	0.50 mL
ORANGE (24-29 kg)	14 mg	0.70 ml
GREEN (30-36 kg)	16 mg	0.80 mL
(37-40 kg)	20 mg	1.0 mL

Version 2



MIDAZOLAM

SEIZURES & SEDATION

CONCENTRATION = 5 mg/mL

SEIZURES ROUTES = IV/IO/IM/IN
SEDATION ROUTES = IM/IN ONLY

MAY REPEAT ONCE IN 15 MIN FOR SEIZURE PATIENTS

BASE CONTACT REQUIRED FOR REPEAT DOSING FOR SEDATION

WEIGHT	DOSE (mg)	GIVE (mL)
GRAY (3-5 kg)	0.4 mg	0.08 mL
PINK (6-7 kg)	0.65 mg	0.13 mL
RED (8-9 kg)	0.85 mg	0.17 mL
PURPLE (10-11 kg)	1 mg	0.2 mL
YELLOW (12-14 kg)	1.3 mg	0.25 mL
WHITE (15-18 kg)	1.7 mg	0.35 mL
BLUE (19-23 kg)	2.1 mg	0.4 mL
ORANGE (24-29 kg)	2.7 mg	0.55 mL
GREEN (30-36 kg)	3.3 mg	0.65 mL
(37-40 kg)	3.9 mg	0.8 mL

Version 2



NALOXONE

OPIATE/OPIOID OVERDOSE

CONCENTRATION = 1 mg/mL

ROUTE = IV/IO/IN/IM

TITRATE TO REVERSE RESPIRATORY DEPRESSION

*****BASE ORDER REQUIRED FOR DOSING > 2 mL*****

WEIGHT	DOSE (mg)	GIVE (mL)
GRAY (3-5 kg)	0.4 mg increments	0.4 mL increments
PINK (6-7 kg)	0.4 mg increments	0.4 mL increments
RED (8-9 kg)	0.4 mg increments	0.4 mL increments
PURPLE (10-11 kg)	0.4 mg increments	0.4 mL increments
YELLOW (12-14 kg)	0.4 mg increments	0.4 mL increments
WHITE (15-18 kg)	0.4 mg increments	0.4 mL increments
BLUE (19-23 kg)	0.4 mg increments	0.4 mL increments
ORANGE (24-29 kg)	0.4 mg increments	0.4 mL increments
GREEN (30-36 kg)	0.4 mg increments	0.4 mL increments
(37-40 kg)	0.4 mg increments	0.4 mL increments

Version 2



ONDANSETRON

NAUSEA/VOMITING

CONCENTRATION = 4mg PO tablet or 2mg/mL IV/IO/IM

ROUTE = PO/IV/IM

WEIGHT	DOSE (mg)	GIVE (mL)
GRAY (3-5 kg)	NOT INDICATED FOR PATIENTS < 4 YEARS OLD	
PINK (6-7 kg)		
RED (8-9 kg)		
PURPLE (10-11 kg)		
YELLOW (12-14 kg)		
WHITE (15-18 kg)	4 mg	2 mL or 1 Tablet
BLUE (19-23 kg)	4 mg	2 mL or 1 Tablet
ORANGE (24-29 kg)	4 mg	2 mL or 1 Tablet
GREEN (30-36 kg)	4 mg	2 mL or 1 Tablet
(37-40 kg)	4 mg	2 mL or 1 Tablet

Version 2



SODIUM BICARBONATE

TOXIC EXPOSURE (CYCLIC ANTIDEPRESSANT)

CONCENTRATION = 1 mEq/mL

ROUTE = IV/IO

BASE ORDER REQUIRED FOR REPEAT DOSING

WEIGHT	DOSE (mg)	GIVE (mL)
GRAY (3-5 kg)	4 mEq	4 mL
PINK (6-7 kg)	7 mEq	7 mL
RED (8-9 kg)	9 mEq	9 mL
PURPLE (10-11 kg)	11 mEq	11 mL
YELLOW (12-14 kg)	13 mEq	13 mL
WHITE (15-18 kg)	17 mEq	17 mL
BLUE (19-23 kg)	22 mEq	22 mL
ORANGE (24-29 kg)	27 mEq	27 mL
GREEN (30-36 kg)	33 mEq	33 mL
(37-40 kg)	40 mEq	40 mL

Version 2



SYNCHRONIZED CARDIOVERSION

UNSTABLE SUPRAVENTRICULAR TACHYCARDIA

UNSTABLE VENTRICULAR TACHYCARDIA

WEIGHT	1 st Shock	2 nd Shock	3 rd Shock	Remaining Shocks
GRAY (3-5 kg)	2 J	4 J	8 J	15 J
PINK (6-7 kg)	3 J	7 J	15 J	30 J
RED (8-9 kg)	4 J	9 J	15 J	30 J
PURPLE (10-11 kg)	5 J	10 J	20 J	30 J
YELLOW (12-14 kg)	7 J	15 J	30 J	50 J
WHITE (15-18 kg)	8 J	15 J	30 J	70 J
BLUE (19-23 kg)	10 J	20 J	50 J	100 J
ORANGE (24-29 kg)	15 J	30 J	50 J	100 J
GREEN (30-36 kg)	15 J	30 J	70 J	150 J
(37-40 kg)	20 J	30 J	70 J	150 J

Version 2



FLUID CHALLENGE

ROUTE = IV/IO

MAY REPEAT ONCE

WEIGHT	GIVE (mL)
GRAY (3-5 kg)	80 mL
PINK (6-7 kg)	130 mL
RED (8-9 kg)	170 mL
PURPLE (10-11 kg)	210 mL
YELLOW (12-14 kg)	260 mL
WHITE (15-18 kg)	330 mL
BLUE (19-23 kg)	420 mL
ORANGE (24-29 kg)	500 mL
GREEN (30-36 kg)	500 mL
(37-40 kg)	500 mL

Version 2



NORMAL PEDIATRIC VITAL SIGNS

AGE	HEART RATE	RESP RATE	SYSTOLIC BP
Neonate (<28 days)	100-205	30-53	60-84
Infant (1 mo-1 y)	100-190	30-53	72-104
Toddler (1-2 y)	98-140	22-37	86-106
Preschool (3-5 y)	80-120	20-28	89-112
School-age (6-11 y)	75-118	18-25	97-120
Adolescent (12-15 y)	60-100	12-20	110-131

Version 2