

OPERATIONS: BLS/ALS TREATMENT PROTOCOLS

DATE: 6/1/2007 rev.

**SUBJECT: PEDIATRIC DRUG GUIDE**

**POLICY NUMBER: 9300**

DRUG/ROUTE CONCENTRATION	PREMMIE	NEWBORN	3 MO	6 MO	1-2 YR	3-4 YR	5-6 YR	7-8 YR	9-10 YR	11-12 YR	13-14 YR
Length 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	190-205 cm
Weight Average KG/LB >	2kg/4lb	3kg/7lb	5kg/12lb	7kg/15lb	11kg/24lb	15kg/33lb	19kg/42lb	24kg/52lb	31kg/68lb	40kg/88lb	50kg/110lb
normal HR >	120-170	100-170	100-170	100-170	100-170	100-160	75-120	70-110	60-105	60-100	60-100
RR >	40-60	40-60	30-50	30-50	30-40	20-30	20	16	16	16	16
Albuterol, nebulized (2.5 mg/3.0 mL)	3 mL	3 mL	3 mL	3 mL	3 mL	3 mL	3 mL	3 mL	3 mL	3 mL	3 mL
Atropine, IM/IV 0.02 mg/kg (0.1 mg/mL)	1 mL	1 mL	1 mL	1 mL	2 mL	3 mL	4 mL	5 mL	6 mL	8 mL	10 mL
Charcoal, PO 1 Gm/kg (6.25 Gm/oz)	0.3 oz	0.5 oz	0.9 oz	1.1 oz	1.8 oz	2.4 oz	3 oz	3.8 oz	5 oz	6.4 oz	8 oz
Dextrose 50%, IV (25 Gm/50 mL)	---	---	---	---	---	15 mL	20 mL	25 mL	30 mL	40 mL	50 mL
Dextrose 25%, IV (12.5 Gm/50 mL)	4 mL	6 mL	10 mL	15 mL	25 mL	---	---	---	---	---	---
Diphenhydramine, IM/IV 0.5 mg/kg (50 mg/mL)	---	---	---	---	0.1 mL	0.2 mL	0.2 mL	0.3 mL	0.3 mL	0.4 mL	0.5 mL
Epinephrine 1:1,000 SC 0.01 mg/kg (1 mg/mL)	0.05 mL	0.05 mL	0.05 mL	0.05 mL	0.1 mL	0.1 mL	0.2 mL	0.2 mL	0.3 mL	0.3 mL	0.3 mL
Epinephrine 1:10,000 IV 0.01 mg/kg (1 mg/10 mL)	0.2 mL	0.3 mL	0.6 mL	0.8 mL	1.0 mL	1.5 mL	2.0 mL	2.5 mL	3.0 mL	4.0 mL	5.0 mL
Glucagon, IM 0.05 mg/kg (1 mg/mL)	0.5 mL	0.5 mL	0.5 mL	0.5 mL	1 mL	1 mL	1 mL	1 mL	1 mL	1 mL	1 mL
Lidocaine, IV 1 mg/kg (20 mg/mL)	0.1 mL	0.15 mL	0.25 mL	0.35 mL	0.5 mL	0.75 mL	1.0 mL	1.25 mL	1.5 mL	2.0 mL	2.5 mL
Midazolam, IV 0.1 mg/kg (1 mg/mL)	0.2 mL	0.3 mL	0.5 mL	0.7 mL	1.0 mL	1.5 mL	2.0 mL	2.5 mL	3.0 mL	4.0 mL	5.0 mL
Midazolam, IM 0.2 mg/kg (1 mg/mL) max 1-2 mL inc.	0.4 mL	0.6 mL	1.0 mL	1.5 mL	2.0 mL	3.0 mL	4.0 mL	5.0 mL	6.0 mL	8.0 mL	10 mL

OPERATIONS: BLS/ALS TREATMENT PROTOCOLS

DATE: 6/1/2007 rev.

**SUBJECT: PEDIATRIC DRUG GUIDE**

**POLICY NUMBER: 9300**

DRUG/ROUTE CONCENTRATION	PREMMIE	NEWBORN	3 MO	6 MO	1-2 YR	3-4 YR	5-6 YR	7-8 YR	9-10 YR	11-12 YR	13-14 YR
Length 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	190-205 cm
Weight Average KG/LB >	2kg/4lb	3kg/7lb	5kg/12lb	7kg/15lb	11kg/24lb	15kg/33lb	19kg/42lb	24kg/52lb	31kg/68lb	40kg/88lb	50kg/110lb
normal HR >	120-170	100-170	100-170	100-170	100-170	100-160	75-120	70-110	60-105	60-100	60-100
RR >	40-60	40-60	30-50	30-50	30-40	20-30	20	16	16	16	16
Morphine, IM/IV 0.1 mg/kg (10 mg/mL) max .2 mL inc.	---	---	---	---	0.1 mL	0.1 mL	0.2 mL	0.2 mL	0.3 mL	0.4 mL	0.5 mL
Naloxone, IM/IV 0.1 mg/kg (1 mg/mL)	0.2 mL	0.3 mL	0.5 mL	0.7 mL	1 mL	1.5 mL	2 mL	2 mL	2 mL	2 mL	2 mL

Biphasic or Sych. Cardioversion

Initial shock at 2 J/kg >	5 J	7 J	10 J	15 J	20 J	30 J	40 J	50 J	60 J	80 J	100J
subsequent shocks at 4 J/kg >	10 J	15 J	20 J	30 J	40 J	60 J	80 J	100J	120 J	160 J	200 J

Monophasic

Initial shock at 2 J/kg >	5 J	7 J	10 J	15 J	20 J	30 J	40 J	50 J	60 J	80 J	100J
subsequent shocks at 4 J/kg >	10 J	15 J	20 J	30 J	40 J	60 J	80 J	100J	120 J	160 J	200 J

APPROVAL:



Bruce E. Haynes, M.D.  
 EMS Medical Director