



Santa Cruz County EMS Agency Pediatric Treatment Protocols

Section 700P

Protocol 700-D1-P: Pediatric Drug List

Revision 7/1/23
Effective 1/31/24

Name	Indication	Dose & Route	Max Dose
Adenosine	• Narrow Tachycardia	• 0.1 mg/kg, 0.2 mg/kg subsequent doses Rapid IVP/IO	• 18 mg
Albuterol	• Bronchoconstriction/ Wheezing	• 2.5 mg via Nebulizer	• As Needed HR<180
Amiodarone	• Cardiac Arrest	• 5 mg/kg IVP/IO, single dose only	• 300 mg
Atropine Sulfate	• Symptomatic Bradycardia • Organophosphate poisoning	• 0.02 mg/kg IVP/IO • 0.05 mg IVP/IO	• 1 mg • As Needed
Calcium Chloride	• Crush Injury	• 10 ml (10%) Slow IVP/IO	• 10 ml (1 gm)
Dextrose 10%	• Hypoglycemia	• 0.25-0.5 g/kg/dose IV; (> 6 months) • 0.5-1 g/kg/dose IV (> 6 months and Children) • IV: 10-25 g (Adolescents)	• 25 grams
Diphenhydramine	• Allergic Reaction • Dystonic Reaction	• 1 mg/kg IVP/ IM • 1 mg/kg IVP/ IM	• 50 mg • 50 mg
Epinephrine	• Anaphylaxis • Cardiac Arrest • Severe Allergic Reaction • Severe Bronchospasm	• 0.01 mg/kg IVP/IO (1:10,000) • 0.01 mg/kg IVP/IO (1:10,000) • 0.01 mg/kg IM (1:1,000) q 5 min prn • 0.01 mg/kg IM (1:1,000)	• Base Station • None • As Needed • 0.3 mg (0.3 ml)
Epinephrine (Push-Dose)	• Persistent Shock	• 0.1 ml/kg (1 mcg/kg) IVP/IO Push-dose q 3-5 m	• 5 mcg per dose
Fentanyl Citrate	• Non-Traumatic Pain • Extremity Trauma/Burns • Snake Bite • Thoracic or Abdominal Trauma	• 1 mcg/kg IV/IO, IM or IN • 1 mcg/kg IV/IO, IM or IN • 1 mcg/kg IV/IO, IM or IN • 1 mcg/kg IV/IO, IM or IN	• 2 mcg/kg or 100 mcg max • 2 mcg/kg or 100 mcg max • 2 mcg/kg or 100 mcg max • 2 mcg/kg or 75 mcg max
Glucagon	• Hypoglycemia • Calcium Channel Blocker OD	• < 20 kg give 0.5 units or 0.5 mg IV/IO/IM • > 20 kg give 1 unit or 1 mg IV/IO/IM	• 2 mg • 2 mg
Glucose Paste	• Hypoglycemia	• As Needed PO	• As Needed
Ketorolac	• Non traumatic abdominal, extremity or back pain	• 0.5 mg/kg IV/IM/IO/IN, Slow IVP over 15 seconds	• 15 mg
Lidocaine	• Stable Wide Tachycardia • Intraosseous Administration	• 1 mg/kg IVP/IO • 0.5 mg/kg IO	• 3 mg/kg • 40 mg
Midazolam (Versed)	• Sedation for Cardioversion • Seizures • Airway Management • Chemical Restraint • Pain (adjunct)	• 0.1 mg/kg IM/IN or 0.05 mg/kg IVP/IO • 0.1 mg/kg IM/IN or 0.05 mg/kg IVP/IO • 0.1 mg/kg IM/IN or 0.05 mg/kg IVP/IO • 0.1 mg/kg IM/IN or 0.05 mg/kg IVP/IO • 0.1 mg/kg IM or 0.05 mg/kg IV/IO/IN	• 5 mg (2 mg IV/IO) • 5 mg (2 mg IV/IO) • 5 mg (2 mg IV/IO) • Base Station • 3 mg IM, 2 mg IV/IO/IN
Morphine Sulfate	• Non-Traumatic Pain • IO Fluid Administration • Extremity Trauma/Burns • Snake Bite	• 0.1 mg/kg IVP/IO/IM • 0.1 mg/kg IVP/IO/IM • 0.1 mg/kg IVP/IO/IM • 0.1 mg/kg IVP/IO/IM	• 5 mg • 5 mg • 5-10 mg • 5-10 mg
Narcan (Naloxone)	• Narcotic Overdose	• 0.1 mg/kg IVP/IN/IM/IO or 4 mg IN	• 10 mg
Ondansetron (Zofran)	• Nausea or Vomiting	• 0.1 mg/kg IV/IO/IM • 2 mg ODT (2-3 y/o) • 4 mg ODT (≥ 4 y/o)	• 4 mg
Sodium Bicarbonate	• Cyclic Antidepressant OD	• 1 mEq/kg IVP	• 1 mEq/kg



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