



Santa Cruz County EMS Agency Adult Treatment Protocols

Section 700

Protocol 700-D1: Adult Drug List

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

Name	Indication	Dose & Route	Max Dose
Adenosine	• Narrow Tachycardia	• 6 mg 1 dose, 12 mg subsequent doses Rapid IVP/IO	• 18 mg
Albuterol	• Bronchoconstriction/ Wheezing	• 5 mg via Nebulizer	• As Needed HR<160
Amiodarone	• Cardiac Arrest (Vfib/Vtach) • Unstable V-Tach	• 300 mg IVP/IO Repeat 150 mg • 150 mg infused over 10 minutes	• 450 mg • 150 mg
Aspirin	• Chest Pain of Cardiac Origin	• 324 mg PO	• 324 mg
Atropine Sulfate	• Symptomatic Bradycardia • Organophosphate poisoning	• 0.5 mg IVP/IO • 2 mg IVP/IO	• 3 mg • As Needed
Buprenorphine	• Opiate Withdrawal Syndrome	• 16 mg SL, repeat with 8 mg SL prn	• 24 mg
Calcium Chloride	• Crush Injury	• 10 ml (10%) Slow IVP/IO	• 10 ml (1 gm)
Dextrose 10%	• Hypoglycemia	• 25 grams IVP/IO	• 50 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	• 0.3mg IM (1:1,000) every 5 m prn • 1 mg IVP/IO (1:10,000) • 0.3 mg IM (1:1,000) • 0.3 mg IM (1:1,000)	• Base Station • None • As Needed • 0.3 mg
Push-Dose Epinephrine	• Persistent Shock	• 0.5 ml (5 mcg) IVP/IO (1:100,000) q 3-5 m	• 5 mcg per dose
Fentanyl Citrate	• Non-Traumatic Pain • Extremity Trauma/Burns • Snake Bite	• 50-100 mcg IVP/IO/IM/IN	• 200 mcg max
Glucagon	• Hypoglycemia • Calcium Channel Blocker OD	• 1 unit (1 mg) IM • 1 unit (1 mg) IVP/ IM/IO	• 2 mg • 2 mg
Glucose Paste	• Hypoglycemia	• As Needed PO	• As Needed
Ketorolac	• Non traumatic abdominal, extremity or back pain	• 15 mg IV/IO slow IVP over 15 seconds • 30 mg IM/IN	• 15 mg IV/IO • 30 mg IM/IN
Lidocaine	• Intraosseous Infusion	• 40 mg IO	• 40 mg
Midazolam (Versed)	• Sedation for Cardioversion • Seizures • Airway Management • Chemical Restraint	• 5 mg IM/IN or 2.5 mg IVP/IO • 5 mg IM/IN or 2.5 mg IVP/IO • 5 mg IM/IN or 2.5 mg IVP/IO • 5-10 mg IM/IN or 2.5 mg IVP/IO	• 10 mg/5 mg • 10 mg/5 mg • 10 mg/5 mg • Base Station
Morphine Sulfate	• Cardiac Chest Pain • Non-Traumatic Pain • IO Fluid Administration • Extremity Trauma/Burns • Snake Bite	• 2-5 mg SLOW IVP, 10 mg IM • 2-5 mg SLOW IVP, 10 mg IM • 2-5 mg SLOW IO • 2-5 mg SLOW IVP 10 mg IM • 2-5 mg SLOW IVP 10 mg IM	• 5 mg IV, 10 mg IM • 5 mg IV, 10 mg IM • 5 mg • 15 mg • 15 mg
Narcan (Naloxone)	• Narcotic Overdose	• 2 mg IVP/IM/IO, 2-4 mg IN	• As Needed
Nitro Spray/tab Nitro Paste	• Cardiac Chest Pain & Pulmonary Edema	• 0.4 mg SL • 1 Inch	• As Needed • 1 Application
Ondansetron (Zofran)	• Nausea and Vomiting	• 4 mg IV/IO/IM/ODT	• 16 mg
Sodium Bicarbonate	• Cardiac Arrest • Cyclic Antidepressant OD • Crush Injury	• 1 mEq/kg IV/IO • 1 mEq/kg IV/IO • 1 mEq/kg IV/IO	• 1 mEq/kg • 100 mEq • 1 mEq/kg
TXA	• Trauma • Hemorrhage Control	• 1 gram mixed in 100-250 ml Normal Saline or D5W	• 1 gram (single dose)