

Emergency Medical Programs

Common Drugs - Indications & Administration

SF SANTA FE COLLEGE

The smart choice.





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	ACTIVATED CHARCOAL
INDICATIONS:	 Used to treat certain types of poisonings and overdoses
ADMINISTRATION:	> Administered PO
	DOSAGE
ADULT:	> 50 Grams
PEDIATRIC:	➤ 1 Gram/kg
THERAPEUTIC EFFECTS:	 Binds and absorbs various chemicals and poisonous compounds, thereby reducing their absorption into the body.
CONTRAINDICATIONS:	 Caustic / Corrosive substances Cyanide poisonings Semi-conscious or unconscious patients
SIDE EFFECTS:	 Abdominal cramping, constipation, dark stools, nausea and vomiting
SPECIAL NOTES / RESTRICTIONS:	 Does not absorb all drugs or toxic substances (i.e., Cyanide, lithium, iron, lead, arsenic, etc.) Has no effect in methanol, or organophosphate poisonings. Has little therapeutic value in caustic alkalis and acid poisonings. Should not be given with ice cream, milk, sherbet or syrup of ipecac



	ADENOSINE
	(Adenocard)
INDICATIONS:	 Paroxysmal supraventricular tachycardia Supraventricular tachycardia Wolf-Parkinson-White Syndrome
ADMINISTRATION:	> Rapid IV, Rapid IO followed by NS flush
	DOSAGE:
ADULT:	 Supraventricular tachycardia: initial 6 mg IV bolus over 1-2 seconds, increase to 12 mg every 1-2 min as needed for 2 doses, maximum single dose 12 mg
PEDIATRIC:	Initial: 0.1 mg/kg IVP (MAX: 6 mg)Repeat: 0.2 mg/kg IVP (MAX: 12 mg)
THERAPEUTIC EFFECTS:	 Slows conduction time through AV node Interrupts reentry pathways through AV node Restores sinus rhythm in patients with SVT
CONTRAINDICATIONS:	 Hypersensitivity to adenosine Second or third degree AV block Sinus node dysfunction, such as sick sinus syndrome or symptomatic bradycardia Atrial flutter/Atrial fibrillation Sick sinus syndrome Ventricular tachycardia
SIDE EFFECTS:	 Transient AV block, asystole, and other dysrhythmias Chest pressure Dizziness Flushing Nausea Shortness of breath
SPECIAL NOTES / RESTRICTIONS:	 Onset is generally within less than one minute Adverse effects are usually short-lived and easily tolerated Effects may be more pronounced in patients on dipyridamole Effects may be attenuated in patients on theophylline preparations



	ALBUTEROL (Ventolin, Proventil)
INDICATIONS:	> Acute bronchospasm
ADMINISTRATION:	 Handheld Nebulizer, Nebulizer Mask, ETT
	DOSAGE:
ADULT:	➤ 2.5 mg/3 cc NSS
PEDIATRIC:	➤ 2.5 mg/3 cc NSS
THERAPEUTIC EFFECTS:	 Decreases bronchospasm via beta receptors Improves pulmonary function
CONTRAINDICATIONS:	 Hypersensitivity to any of the contents of the solution Tachydysrhythmias
SIDE EFFECTS:	 Cough Dizziness or nervousness Nausea Tachycardia Tremor
SPECIAL NOTES / RESTRICTIONS:	May be put down the ETT in intubated asthmatics or COPD patients



	AMIODARONE (Cordarone)
INDICATIONS:	 Ventricular fibrillation, Ventricular tachycardia, Rapid Atrial Fibrillation, Rapid Atrial Flutter, SVT
ADMINISTRATION:	> IVP or IV Infusion
	DOSAGE:
ADULT:	 Pulseless VF/VT - Initial: 300 mg IVP Pulseless VF/VT - Repeat: 150 mg IVP Rapid A Fib/Flutter: 2.5 — 5 mg/kg slow IVP Rapid A Fib/Flutter (alternative): 150 mg/100 cc D5W over 10 min SVT: 2.5 — 5 mg/kg IVP SVT (alternative): 150 mg/100 cc D5W over 10 min Stable V Tach: 2.5 — 5 mg/kg slow IVP Stable V Tach (alternative): 150 mg/100 cc D5W over 10 min
PEDIATRIC:	 Pulseless VF/VT: 5 mg/kg IVP Rapid A Fib/Flutter: 5 mg/kg IV over 20 to 60 minutes SVT: 5 mg/kg IV over 20 to 60 minutes Stable V Tach: 5 mg/kg IV over 10 minutes
THERAPEUTIC EFFECTS:	 Prolongs action potential and refractory period Reduces ventricular dysrhythmias and raises fibrillatory threshold
CONTRAINDICATIONS:	 Cardiogenic shock Hypersensitivity to amiodarone Second or third degree AV block Severe sinus bradycardia Severe sinus node dysfunction
SIDE EFFECTS:	Hypotension, Bradycardia, Asystole, and Pulseless Electrical Activity
SPECIAL NOTES / RESTRICTIONS:	 Serial use of calcium channel blockers, beta blockers, and other antiarrhythmics may cause additive hypotensive, bradycardic, and proarrhythmogenic effects Draw up slowly to prevent bubbling



	ASPIRIN
INDICATIONS:	Myocardial infarction, Chest Pain
ADMINISTRATION:	➤ Chewed PO
	DOSAGE:
ADULT:	> 4 Baby ASA (81mg each)
PEDIATRIC:	> Not indicated
THERAPEUTIC EFFECTS:	 Inhibits platelet aggregation by blocking formation of Thromboxane A2 Reduces overall mortality of acute MI Reduces non-fatal re-infarction
CONTRAINDICATIONS:	 Hypersensitivity to aspirin Active bleeding condition or ulcer Pregnancy
SIDE EFFECTS:	HeartburnIndigestionNausea
SPECIAL NOTES / RESTRICTIONS:	Patients on Coumadin (warfarin) MAY take aspirin in the acute setting



/ 0 hu o u	ATROPINE
(Atrop	ine, Component of Mark I Auto-Injector)
INDICATIONS:	 Symptomatic Bradycardia, Asystole, Pulseless Electrical Activity, Nerve Agent Poisoning, Organophosphate Poisoning
ADMINISTRATION:	> IV, IO, ET, IM
	DOSAGE:
ADULT:	 Asystole: 1 mg IVP or 2 mg ETT q3-5min (up to 0.04 mg/kg) Bradycardia: 0.5-1 mg IVP (up to 0.04 mg/kg) Nerve Agents: 2 mg IVP/IM q5min until relief of symptoms
PEDIATRIC:	 Bradycardia: 0.02 mg/kg IVP (min 0.1 mg, max 1 mg; up to 0.04 mg/kg) Nerve Agents: 2 mg IVP/IM q5min until relief of symptoms
THERAPEUTIC EFFECTS:	 Blocks acetylcholine receptor sites Decreases vagal tone Increases SA and AV nodal conduction Dries secretions
CONTRAINDICATIONS:	> Tachycardia
SIDE EFFECTS:	 Blurred vision Dry mouth Headache Pupillary dilatation Tachycardia
SPECIAL NOTES / RESTRICTIONS:	 Organophosphate or nerve agent poisoning may require large doses Consider atropine before epinephrine in pediatric bradycardia only if the bradycardia is suspected to be from increased vagal tone or primary AV block



	CALCIUM CHLORIDE
INDICATIONS:	 Hyperkalemic cardiac arrest, Calcium channel blocker overdose, Hypocalcemia
ADMINISTRATION:	> IV, IO
	DOSAGE:
ADULT:	> 1 g (10 cc of 10% solution) IVP
PEDIATRIC:	> 20 mg/kg (0.2 cc/kg of 10% solution) up to 500 mg IVP
THERAPEUTIC EFFECTS:	> Stabilizes cardiac tissue to effects of high potassium
CONTRAINDICATIONS:	Digoxin toxicityHypercalcemia
SIDE EFFECTS:	 Arrhythmias Bradycardia Cardiac arrest Hypotension
SPECIAL NOTES / RESTRICTIONS:	 Do not administer with sodium bicarbonate or it may crystallize in the intravenous line Not to be routinely used during cardiac arrest



CYANIDE ANTIDOTE KIT SODIUM THIOSULFATE	
INDICATIONS:	 Victims of Cyanide Poisoning in severe distress (shock)
ADMINISTRATION:	> IV
	DOSAGE:
ADULT:	> 12.5 g (50 cc) IV over 10 min (Adults and children >25kg)
PEDIATRIC:	> 75mg/kg (0.3cc/kg) IV over 10 min (children <25kg)
THERAPEUTIC EFFECTS:	The role of Sodium Thiosulfate alone is an adjunct to the normal rhodanese metabolism of free cyanide.
CONTRAINDICATIONS:	
SIDE EFFECTS:	No significant side effects
SPECIAL NOTES / RESTRICTIONS:	> Repeat at half dose if symptoms persist



	DEXTROSE (D50, D25, D10)
INDICATIONS:	> Hypoglycemia
ADMINISTRATION:	> IV, IO
	DOSAGE:
ADULT:	> 25 g (50 cc D50) IVP
PEDIATRIC: THERAPEUTIC EFFECTS:	 Newborn: 5 cc/kg D10 slowly (1 cc/kg D50 mixed with 4 cc/kg NS) Less than 13 yrs: 2 cc/kg D25 (1 cc/kg D50 mixed with 1 cc/kg NS) 13 or older: 1 cc/kg D50 Immediate source of glucose
CONTRAINDICATIONS:	CVA with normal serum glucose
SIDE EFFECTS:	> Local irritation
SPECIAL NOTES / RESTRICTIONS:	 Dilute dextrose before administration to pediatric patients To make D25 from D50: dilute D50 1:1 with sterile water or NS To make D10 from D50: dilute D50 1:4 with sterile water or NS Can potentially precipitate acute neurologic symptoms in alcoholics Causes local tissue necrosis if IV infiltrates



	DIAZEPAM
	(Valium)
INDICATIONS:	Major motor seizures, Status Epilepticus, Premedication for Painful Procedures, Combative Patients
ADMINISTRATION:	> IV, IO, PR, IM (if necessary)
	DOSAGE:
ADULT:	 Procedural Sedation and Pain Management: 2-5 mg IV Seizures: 5 mg IV over 2 minutes, 10 mg PR, or 2-5 mg IM Eclamptic Seizures: 2 mg IV q5min for effect or 10 mg PR Nerve Agents: 2-10 mg IV or 10 mg IM titrated to effect
S PEDIATRIC:	 Procedural Sedation and Pain Management: 0.1 mg/kg IV/I0 Seizures: 0.1 mg/kg IV over 2 minutes or 0.5 mg/kg PR Nerve Agents: 0.1 mg/kg IV/IM MAX DOSES: 5 mg in children and 10 mg in adolescents
THERAPEUTIC EFFECTS:	 Suppresses spread of seizure activity through the motor cortex Skeletal muscle relaxant Reduces anxiety and causes sedation
CONTRAINDICATIONS:	Respiratory depressionHypotension
SIDE EFFECTS:	 Hypotension Respiratory depression Use caution in elderly patients
SPECIAL NOTES / RESTRICTIONS:	Intramuscular administration leads to widely variable absorption and should be avoided if possible



DIPHENHYDRAMINE (Benadryl)	
INDICATIONS:	> Anaphylaxis, Allergic Reactions, Dystonic Reactions
ADMINISTRATION:	> IV, IM, IO
	DOSAGE:
ADULT:	> 25 mg IVP or 50 mg IM
PEDIATRIC:	> 1 mg/kg (0.02 cc/kg) IVP (MAX: 25 mg)
THERAPEUTIC EFFECTS:	 Inhibits histamine release and effects Anticholinergic effects antagonize extrapyramidal symptoms
CONTRAINDICATIONS:	 Acute asthma exacerbation Acute glaucoma Pregnancy
SIDE EFFECTS:	 Blurred vision Headache Palpitations Sedation
SPECIAL NOTES / RESTRICTIONS:	



	DOBUTAMINE
	(Dobutrex)
INDICATIONS:	Cardiogenic shock, Septic shock
ADMINISTRATION:	> IV infusion, IO infusion
	DOSAGE:
ADULT:	> 5-20 mcg/kg/min infusion
PEDIATRIC:	> 5-20 mcg/kg/min infusion
THERAPEUTIC EFFECTS:	 Improves cardiac output with little systemic vasoconstriction Increases cardiac contractility
CONTRAINDICATIONS:	 Idiopathic Hypertrophic Subaortic Stenosis (IHSS) Hypovolemia (uncorrected)
SIDE EFFECTS:	 Bronchospasm Ectopy Hypertension or hypotension Palpitations Tachycardia
SPECIAL NOTES / RESTRICTIONS:	 If systolic blood pressure is less than 70, dopamine should be used 6 mg/kg in 100 cc D5W at 1.0 cc/hr equals 1 mcg/kg/min Hypovolemia should be corrected with volume expansion fluids prior to the administration of dobutamine



	DOPAMINE (Intropin)
INDICATIONS:	 Cardiogenic shock, Neurogenic shock, Sepsis, Refractory Hypotension, Bradycardia
ADMINISTRATION:	> IV Infusion, IO infusion
	DOSAGE:
ADULT:	> 5-20 mcg/kg/min infusion
PEDIATRIC:	> 5-20 mcg/kg/min infusion
THERAPEUTIC EFFECTS:	 Stimulates alpha, beta, and dopamine receptors, depending on dose Increases cardiac output and systemic arterial pressure Dilates vessels to brain, heart, and kidneys Increases heart rate
CONTRAINDICATIONS:	 Uncorrected hypovolemic shock Uncorrected tachydysrhythmias
SIDE EFFECTS:	 Angina Ectopy Headache Tachydysrhythmias
SPECIAL NOTES / RESTRICTIONS:	 Titrate to blood pressure Use dobutamine in cardiogenic shock with systolic BP over 70 6 mg/kg in 100 cc D5W at 1 cc/hr equals 1 mcg/kg/min Hypovolemia should be corrected with volume expansion fluids prior to the administration of dopamine



	EPINEPHRINE	
INDICATIONS:	Cardiac arrest, Anaphylaxis, Bronchospasm, Shock	
ADMINISTRATION:	> IV, IO, SC, ET, IV Infusion, 10 Infusion, Handheld Nebulizer	
	DOSAGE:	
ADULT:	 Cardiac arrest: 1 mg IVP q3-5min or 2 mg ET q3-5min Bradycardia: 0.5-1 mg IVP or 2-10 mcg/kg/min infusion Septic or Spinal shock: 1-4 mcg/min infusion Allergic Rxn: 0.1-0.3 mg 1:1000 SC or 0.1-0.5 mg 1:10000 slow IVP Respiratory Distress: 0.1-0.3 mg 1:1000 SC 	
Speciatric:	 Cardiac arrest — INITIAL: 0.01 mg/kg IVP/I0 or 0.1 mg/kg ET Cardiac arrest — REPEAT: 0.1 mg/kg IVP, JO, or ET q3-5min Bradycardia — INITIAL: 0.01 mg/kg IVP/I0 or 0.1 mg/kg ET Bradycardia — REPEAT: 0.1 mg/kg IVP, JO, or ET q3-5min Septic or Spinal Shock: 0.1-1 mcg/kg/min infusion Allergic Rxn: 0.01 mg/kg (0.1 cc/kg) 1:1000 SC or 1:10000 slow IVP Respiratory Distress: 5 cc 1:1000 via handheld nebulizer 	
THERAPEUTIC EFFECTS:	 Stimulates alpha and beta adrenergic receptors Increases heart rate, systemic blood pressure, and coronary blood flow 	
CONTRAINDICATIONS:	HypertensionTachycardia	
SIDE EFFECTS:	 Hypertension Palpitations Tachycardia Tremors 	
SPECIAL NOTES / RESTRICTIONS:	 Pay special attention to using correct concentration (1:1000 or 1:10000) 	



FUROSEMIDE (Lasix)	
INDICATIONS:	Pulmonary edema
ADMINISTRATION:	> IV
	DOSAGE:
ADULT:	40 mg IVP or double patient's prescribed dose up to 120 mg IVP
PEDIATRIC:	Not applicable
THERAPEUTIC EFFECTS:	 Loop diuretic which inhibits resorption of sodium and chloride Mild vasodilator
CONTRAINDICATIONS:	HypokalemiaHypovolemiaPregnancy
SIDE EFFECTS:	DehydrationDysrhythmias
SPECIAL NOTES / RESTRICTIONS:	



	GLUCAGON
INDICATIONS:	 Hypoglycemia, Refractory Allergic Reaction, Beta Blocker Overdose
ADMINISTRATION:	> IV, IO, IM
	DOSAGE:
ADULT:	 Hypoglycemia: 1 mg IM Refractory Allergic Reaction: 1-4 mg IV slow push
PEDIATRIC:	➤ Hypoglycemia: 0.1 mg/kg IM (MAX: 1 mg)
THERAPEUTIC EFFECTS:	 Promotes breakdown of hepatic glycogen to glucose Bypasses blocked beta receptors to stimulate heart rate and contractility
CONTRAINDICATIONS:	 Insulinoma Pheochromocytoma Hypersensitivity to glucagon
SIDE EFFECTS:	Nausea and vomitingUrticaria
SPECIAL NOTES / RESTRICTIONS:	 Patients need carbohydrate replacement after administration to prevent secondary hypoglycemic events May not be effective in patients with poor glycogen stores, (cancer patients, chronic alcoholics, malnutrition)



	LIDOCAINE
INDICATIONS:	Ventricular arrhythmias
ADMINISTRATION:	> IV, IO, ET, IV infusion, IO infusion
	DOSAGE:
ADULT:	1 mg/kg IV or 2 mg/kg ET (repeated at 0.5mg/kg to max of 3 mg/kg)
PEDIATRIC:	1 mg/kg IV/IO or 2 mg/kg ET (repeated at 0.5mg/kg to max of 3 mg/kg)
THERAPEUTIC EFFECTS:	 Suppresses ventricular ectopy Elevates threshold for ventricular fibrillation Suppresses re-entry arrhythmias
CONTRAINDICATIONS:	 Idioventricular rhythms Second and third degree AV block Allergy to local anesthetics Sinus bradycardia
SIDE EFFECTS:	 Arrhythmias Hypotension Irritability Muscle twitching Seizures
SPECIAL NOTES / RESTRICTIONS:	 Successful use of lidocaine IVP should be followed by additional boluses Boluses should be reduced in cases of shock, CHF, or elderly patients



	MAGNESIUM
INDICATIONS:	 Ventricular arrhythmias, Preeclampsia, Eclampsia, Asthma, Torsades de Pointes
ADMINISTRATION:	> IV, IO
	DOSAGE:
ADULT:	 Cardiac arrest: 2 g IVP Ventricular tachycardia: 1-2 g IV over 5-20 min Asthma: 1-2 g IV over 5-20 min Pre-Eclampsia: 4g IV over 20 min Eclampsia: 1 g/min IVP until seizure stops (MAX: 4g)
PEDIATRIC:	➤ Cardiac arrest: 20-50 mg/kg IVP/I0
THERAPEUTIC EFFECTS:	 Affects myocardial impulse formation and conduction time Relaxes smooth muscle
CONTRAINDICATIONS:	Absolute O None Relative O Active labor O Heart block O Hypocalcemia O Renal failure
SIDE EFFECTS:	 Bradycardia Hyporeflexia Hypotension Respiratory depression
SPECIAL NOTES / RESTRICTIONS:	 Dilute to at least 10 cc before administration Preferred anti-dysrhythmic for patients with Torsades de Pointes



MARK 1 AUTO-INJECTOR		
(A	tropine/Pralidoxime)	
INDICATIONS:	Nerve Agent Poisoning	
ADMINISTRATION:	> IM	
DOSAGE:		
ADULT:	 Mild symptoms: 1 kit IM Moderate symptoms: 1 kit IM q5min for 3 doses Severe symptoms: 3 kits IM immediately 	
PEDIATRIC:	Contact medical command	
THERAPEUTIC EFFECTS:	 Blocks acetylcholine receptor sites Dries secretions Reactivates acetylcholinesterase enzymes 	
CONTRAINDICATIONS:	The smart choice.	
SIDE EFFECTS:	 Laryngospasm Muscle rigidity Blurred vision Dry mouth Headache Pupillary dilatation Tachycardia 	
SPECIAL NOTES / RESTRICTIONS:	➤ Contains 2 mg atropine and 600 mg pralidoxime	



	MORPHINE
	WORFHINE
INDICATIONS:	Pain management, Pulmonary edema, Procedural Sedation
ADMINISTRATION:	➢ IV, IO, IM
	DOSAGE:
	Chest Pain or Pulmonary Edema: 2-4 mg IV
ADULT:	Pain: 2-5 mg IV, titrated to effect
	Procedural Sedation: 3-5 mg IV
	➤ Pain: 1-3 mg IV/I0, titrated to effect
PEDIATRIC:	Procedural Sedation: 1-3 mg IV/I0
	Binds with opiate receptors to reduce pain
THERAPEUTIC EFFECTS:	Peripheral vasodilatation
	➤ Use of Monoamine Oxidase Inhibitors (MAOIs) within past
OHIOAIN	14 days
	△ Asthma
CONTRAINDICATIONS:	> COPD The smart choice.
CONTRAINDICATIONS.	Head injury
	Hypotension
	> Hypovolemia
	Respiratory depression
	> Bradycardia
SIDE EFFECTS:	Hypotension
	Nausea and vomiting
	Respiratory depression
SPECIAL NOTES /	Naloxone and respiratory equipment should be
RESTRICTIONS:	immediately accessible



NALOXONE (Narcan)	
INDICATIONS:	> Opiate overdose
ADMINISTRATION:	> IV, IM, SC, ET
	DOSAGE:
ADULT:	> 2 mg IV/IM/SC/ET/Intranasal
PEDIATRIC:	<5 yrs or <20 kg 0.1 mg/kg IV/IM/SC/ET >5 yrs or >20 kg 2 mg IV/IM/SC/ET
THERAPEUTIC EFFECTS:	➤ Reverses effects of most narcotic agents
CONTRAINDICATIONS:	> Hypersensitivity to naloxone
SIDE EFFECTS:	 Acute narcotic withdrawal Hypertension Irritability Nausea and vomiting Tachycardia
SPECIAL NOTES / RESTRICTIONS:	 Does not reverse benzodiazepine overdoses May precipitate acute withdrawal symptoms Caution should be exercised when administering naloxone to patients addicted to narcotics



	NITROGLYCERIN	
(Nitro-Bid, Nitrostat)		
INDICATIONS		
INDICATIONS:	Angina pectoris, Pulmonary Edema, Hypertension	
ADMINISTRATION:	➢ SL	
	DOSAGE:	
Angina: 1 metered dose SL q5min for 3 doses Pulmonary Edema — SBP>160: 2 metered doses SL q3- 5min Pulmonary Edema — SBP 100-160: 1 metered dose SL q3- 5min		
PEDIATRIC: THERAPEUTIC EFFECTS:	 Not indicated Dilates coronary and systemic arteries 	
CONTRAINDICATIONS:	 Head trauma Hypertrophic cardiomyopathy Glaucoma Hypotension Use of Viagra (sildenafil) within preceding 48 hours 	
SIDE EFFECTS:	DizzinessHeadacheHypotension	
SPECIAL NOTES / RESTRICTIONS:	 Contact medical command prior to administration if taking Viagra 	



	NITROUS OXIDE
	NITROOS OXIDE
INDICATIONS:	Pain management
ADMINISTRATION:	> Inhalation
	DOSAGE:
ADULT:	Self-administered by mask
PEDIATRIC:	 Self-administered by mask (must be old enough to self- administer)
THERAPEUTIC EFFECTS:	 Decreases sensitivity to pain
SF SAN	 Altered mental status Decompression sickness Suspected pneumothorax
CONTRAINDICATIONS:	 Chronic lung disease Head injury Hypotension
	 Obvious intoxication Suspected bowel obstruction
SIDE EFFECTS:	DizzinessDrowsinessNausea and vomiting
SPECIAL NOTES / RESTRICTIONS:	> Effects diminish 2-5 minutes after removing source



PRALIDOXIME (2-PAM, Protopam, Component of Mark I Auto-Injector)		
INDICATIONS:	Nerve Agent Poisoning	
ADMINISTRATION:	> IV, IM	
DOSAGE:		
ADULT:	> 600 mg IM or 1000 mg IV over 15-30 min	
PEDIATRIC:	> 20-50 mg/kg IV over 15-30 min	
THERAPEUTIC EFFECTS:	> Reactivates acetylcholinesterase enzymes	
CONTRAINDICATIONS:	The Smart choice	
SIDE EFFECTS:	LaryngospasmMuscle rigidityTachycardia	
SPECIAL NOTES / RESTRICTIONS:		



SODIUM BICARBONATE			
INDICATIONS:	 Cardiac arrest, Tricyclic Antidepressant, Aspirin Overdose, Hyperkalemia, Acidosis, 		
ADMINISTRATION:	> IV, IO		
DOSAGE:			
ADULT:	➤ 1 mEq/kg IV		
PEDIATRIC:	> 1 mEq/kg IV/I0		
THERAPEUTIC EFFECTS:	 Buffers strong acids in the blood Antagonizes sodium channel blockade in TCA overdoses Prevents resorption of salicylates in renal tubules Hypokalemia 		
CONTRAINDICATIONS:	 Pulmonary edema The smart choice. 		
SIDE EFFECTS:	 Dysrhythmias secondary to potassium effects Metabolic alkalosis Pulmonary edema 		
SPECIAL NOTES / RESTRICTIONS:	 Not to be used in place of proper ventilation to prevent acidosis If less than 2 yrs old, must be diluted 1:1 with NS or D5W Use for cyanide poisoning only if antidotes not available or ineffective 		



VERAPAMIL				
(Calan, Isoptin, Verelan, Covera)				
INDICATIONS:	Supraventricular Tachydysrhythmias			
ADMINISTRATION:	> IV, IO			
DOSAGE:				
ADULT:	> 2.5-5 mg IV over 2 min			
PEDIATRIC:	Not indicated			
THERAPEUTIC EFFECTS: CONTRAINDICATIONS:	 Calcium channel blocker Delays impulse propagation through AV node Dilates coronary and systemic arterial systems Wolf-Parkinson-White (WPW) Syndrome AV block Cardiogenic shock Hypotension 			
SIDE EFFECTS:	 AV blockade Bradycardia Dizziness Headache Hypotension 			
SPECIAL NOTES / RESTRICTIONS:	 Do NOT use in WPW patients as it can cause cardiac arrest Use caution if wide complex tachycardia 			



TOPICAL BENZOCAINE		
INDICATIONS:	Use of Topical Benzocaine is limited to assisting with the placement of an endotracheal tube.	
ADMINISTRATION:	> Topical	
	DOSAGE:	
ADULT:	 Spray mucous membranes (nose or mouth) for 1 second. This may be repeated ONE time. Avoid sprays in excess of 2 seconds. 	
PEDIATRIC:	 Spray mucous membranes (nose or mouth) for 1 second. This may be repeated ONE time. Avoid sprays in excess of 2 seconds. 	
THERAPEUTIC EFFECTS:	 Topical Benzocaine is a local anesthetic chemically related to Lidocaine used to facilitate the placement of an endotracheal intubation. 	
CONTRAINDICATIONS:	Known hypersensitivity to Benzocaine or other local anesthetics.	
SIDE EFFECTS:	 Methemoglobinemia Diminished gag reflex, edema of the airway mucosa, increased chance of aspiration. 	
SPECIAL NOTES / RESTRICTIONS:	 Use cautiously around the eyes Do not apply to large inflamed tissue areas. Due to retention of the medication, topical Benzocaine should not be used underneath dentures or applied to a cotton ball applicator. The use of mouth sprays containing Benzocaine may impair swallowing and increase the risk of aspiration 	



DRUG		
INDICATIONS:		
ADMINISTRATION:		
DOS	AGE:	
ADULT:		
PEDIATRIC: STATEMENT OF THE PEDIATRIC: THERAPEUTIC EFFECTS:	E COLLEGE The smart choice.	
CONTRAINDICATIONS:		
SIDE EFFECTS:		
SPECIAL NOTES / RESTRICTIONS:		



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