



Drug Lists A and B



Drug List



Only Medications included in the 2009 NCCEP Protocols are included in this document.

For a full list of medications approved for use by EMS professionals, please refer to the North Carolina Medical Board document entitled: **Approved Medications for Credentialed EMS Personnel.**

Drug	Adult	Pediatric
<p><u>Acetaminophen</u> (Tylenol)</p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 8-Fever * 10-Pain Control-Adult * 11-Pain Control-Pediatric * 47-Pediatric Seizure <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> • Indicated for pain and fever control • Avoid in patients with severe liver disease 	<ul style="list-style-type: none"> • 1000 mg po 	<ul style="list-style-type: none"> • See Color Coded List • 10 mg/kg po
<p><u>Adenosine</u> (Adenocard)</p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 32-Supraventricular Tachycardia * 48-Pediatric Supraventricular Tachycardia <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> • Specifically for treatment or diagnosis of Supraventricular Tachycardia 	<ul style="list-style-type: none"> • 6 mg IV push over 1-3 seconds. If no effect after 1-2 minutes, • Repeat with 12 mg IV push over 1-3 seconds. • Repeat once if necessary • (use stopcock and 20 ml Normal Saline flush with each dose) 	<ul style="list-style-type: none"> • 0.1 mg/kg IV (Max 6 mg) push over 1-3 seconds. If no effect after 1-2 minutes, • Repeat with 0.2 mg/kg IV (Max 12 mg) push over 1-3 seconds. • Repeat once if necessary • (use stopcock and Normal Saline flush with each dose)
<p><u>Albuterol</u> Beta-Agonist</p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 30-Respiratory Distress * 46-Pediatric Respiratory Distress * 52-Drowning <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> • Beta-Agonist nebulized treatment for use in respiratory distress with bronchospasm 	<ul style="list-style-type: none"> • 2.5-5.0 mg (3cc) in nebulizer continuously x 3 doses, if no history of cardiac disease and Heart Rate \leq 150. 	<ul style="list-style-type: none"> • See Color Coded List • 2.5mg (3cc) in nebulizer continuously x 3 doses, if no history of cardiac disease and Heart Rate < 200.



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<p><u>Amiodarone</u> (Cordarone)</p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 35-Ventricular Fibrillation * 36-Ventricular Tachycardia * 45-Pediatric Pulseless Arrest <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Antiarrhythmic used in ventricular Fibrillation. • Avoid in patients with heart block or profound bradycardia. 	<p><u>V-fib / pulseless V-tach</u></p> <ul style="list-style-type: none"> • 300 mg IV push • Repeat dose of 150 mg IV push for recurrent episodes <p><u>V-tach with a pulse</u></p> <ul style="list-style-type: none"> • 150 mg in 100cc D5W over 10 min 	<p><u>V-fib / pulseless V-tach</u></p> <ul style="list-style-type: none"> • 5 mg/kg IV push over 5 minutes for SVT <p><u>V-tach with a pulse</u></p> <ul style="list-style-type: none"> • 5 mg/kg IV push over 5 minutes • Avoid in Length Tape Color Pink
<p><u>Aspirin</u></p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 21-Chest Pain and STEMI <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • An antiplatelet drug for use in cardiac chest pain 	<ul style="list-style-type: none"> • 81 mg chewable (baby) Aspirin Give 4 tablets to equal usual adult dose. 	
<p><u>Atropine</u></p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 18-Asystole * 19-Bradycardia * 26-Overdose/Toxic Ingestion * 29-Pulseless Electrical Activity * 41-Pediatric Bradycardia * 58-WMD Nerve Agent <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Anticholinergic drug used in bradycardias or asystole. • (For Endotracheal Tube use of this drug, double the dose) • In Organophosphate toxicity, large doses may be required (>10 mg) 	<p><u>Asystole</u></p> <ul style="list-style-type: none"> • 1 mg IV. Repeat in 3 - 5 minutes up to 3 mg. <p><u>Bradycardia</u></p> <ul style="list-style-type: none"> • 0.5 - 1.0 mg IV every 3 – 5 minutes up to 3 mg. (If endotracheal -- max 6 mg) <p><u>Organophosphate</u></p> <ul style="list-style-type: none"> • 1-2 mg IM or IV otherwise as per medical control 	<ul style="list-style-type: none"> • See Color Coded List <p><u>Asystole</u></p> <ul style="list-style-type: none"> • 0.02 mg/kg IV, IO (Max 1.0 mg per dose) • (Min 0.1 mg) per dose • May repeat in 3 - 5 minutes <p><u>Bradycardia</u></p> <ul style="list-style-type: none"> • As Asystole <p><u>Organophosphate</u></p> <ul style="list-style-type: none"> • 0.02 mg/kg IV or IO otherwise as per medical control



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<p><u>Atropine and Pralidoxime Auto-Injector Nerve Agent Kit</u></p> <p>NCCEP Protocol: * 26 Overdose/Toxic Ingestion * 58-WMD Nerve Agent</p> <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> • Antidote for Nerve Agents or Organophosphate Overdose 	<ul style="list-style-type: none"> • One auto-injector then per medical control 	<ul style="list-style-type: none"> • See Color Coded List • One pediatric auto-injector then as per medical control
<p><u>Calcium Chloride</u></p> <p>NCCEP Protocol: * 19-Bradycardia * 29-Pulseless Electrical Activity * 41-Pediatric Bradycardia</p> <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> • Indicated for severe hyperkalemia 	<ul style="list-style-type: none"> • One amp (10 ml) or 1 gm IV • Avoid use if pt is taking digoxin 	<ul style="list-style-type: none"> • See Color Coded List • 20 mg/kg IV or IO slowly
<p><u>Charcoal</u></p> <p>NCCEP Protocol: * 26-Overdose/Toxic Ingestion</p> <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> • Binds, or absorbs, various chemical agents and drugs from the GI tract • Combined with Sorbitol to promote GI motility 	<ul style="list-style-type: none"> • 50 gms po or NG Tube 	<ul style="list-style-type: none"> • See Color Coded List • 1 gm/kg PO (Max 25 gms)
<p><u>Cimetidine (Tagamet) Histamine-2 Blocker</u></p> <p>NCCEP Protocol: * 16-Allergic Reaction</p> <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> • Medication used to control stomach acid and to assist in severe allergic reactions 	<ul style="list-style-type: none"> • 300 mg IV/IM/PO 	<p style="text-align: center;">∅</p>





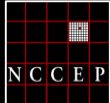
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<p><u>Dextrose 10%</u> Glucose solutions</p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 7-Behavioral * 13-Universal Patient Protocol * 17-Altered Mental Status * 37-Vomiting and Diarrhea * 39-Newly Born * 40-Obstetrical Emergencies * 41-Pediatric Bradycardia * 42-Pediatric Head Trauma * 43-Pediatric Hypotension * 45-Pediatric Pulseless Arrest * 47-Pediatric Seizure * 56-Hypothermia <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> • Use in unconscious or hypoglycemic states 		<ul style="list-style-type: none"> • See Color Coded List • 2-10 ml/kg IV or IO starting at low dose • Repeat based on blood glucose results
<p><u>Dextrose 50%</u> Glucose Solutions</p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 7-Behavioral * 13-Universal Patient Protocol * 17-Altered Mental Status * 29-Pulseless Electrical Activity * 31-Seizure * 33-Suspected Stroke * 34-Syncope * 37-Vomiting and Diarrhea * 40-Obstetrical Emergencies * 54-Adult Head Trauma * 56-Hypothermia <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> • Use in unconscious or hypoglycemic states 	<ul style="list-style-type: none"> • One amp or 25 gm IV bolus • Repeat based on blood glucose results 	



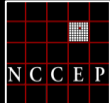
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<p>Diazepam (Valium) Benzodiazepene</p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 1-Airway Adult * 3-Airway Drug Assisted Intubation * 4-Airway Pediatric * 7-Behavioral * 28-Pulmonary Edema * 31-Seizure * 32-Supraventricular Tachycardia * 36-Ventricular Tachycardia * 40-Obstetrical Emergencies * 47-Pediatric Seizure * 48-Pediatric Supraventricular Tachycardia * 58-WMD Nerve Agent <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Seizure control • Mild Sedation 	<ul style="list-style-type: none"> • 4 mg IV initially then 2 mg IV every 3 - 5 minutes up to 10 mg max unless med control dictates • Do not administer IM. The drug is not absorbed. • 10 mg Rectally if unable to obtain an IV. 	<ul style="list-style-type: none"> • See Color Coded List • 0.1 - 0.3 mg/kg IV/IO • (Max dose 4 mg IV, IO) • 0.5 mg/kg rectally (Dia-Stat) • (Max dose 10 mg rectally) • Repeat as directed by medical control.
<p>Dilaudid (Hydromorphone) Narcotic Analgesic</p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 10-Pain Control Adult * 11-Pain Control Pediatric * 21-Chest Pain and STEMI * 28-Pulmonary Edema <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Narcotic pain relief • Antianxiety • Possible beneficial effect in pulmonary edema • Avoid use if BP < 110 	<ul style="list-style-type: none"> • 1-2 mg IM/IV/IO bolus then 1 mg IM/IV/IO every 20-30 minutes until a maximum of 5 mg or clinical improvement 	<ul style="list-style-type: none"> • See Color Coded List • 0.015 mg/kg IM/IV/IO single bolus only (Max 2 mg) • Minimum Age = 5 years or 20 kg)




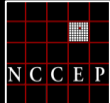
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<p><u>Diltiazem</u> (Cardizem) Calcium Channel Blocker</p> <p>NCCEP Protocol: * 32-Supraventricular Tachycardia</p> <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Calcium channel blocker used to treat narrow complex SVT 	<ul style="list-style-type: none"> • 0.25 mg/kg IV over 2 minutes 	
<p><u>Diphenhydramine</u> (Benadryl)</p> <p>NCCEP Protocol: * 16-Allergic Reaction</p> <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Antihistamine for control of allergic reactions 	<ul style="list-style-type: none"> • 50 mg IV/IM/PO 	<ul style="list-style-type: none"> • See Color Coded List • 1 mg/kg IV/IO/IM • Do not give in infants < 3 mo • (Max dose 25 mg)
<p><u>Dopamine</u></p> <p>NCCEP Protocol: * 19-Bradycardia * 25-Hypotension * 27-Post Resuscitation * 29-Pulseless Electrical Activity * 43-Pediatric Hypotension</p> <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • A vasopressor used in shock or hypotensive states 	<ul style="list-style-type: none"> • 2 - 20 micrograms/kg/min titrate to BP systolic of 90 mmHg 	<ul style="list-style-type: none"> • See Color Coded List • 2 - 20 micrograms/kg/min IV or IO, titrate to BP systolic appropriate for age
<p><u>Epinephrine 1:1,000</u></p> <p>NCCEP Protocol: * 16-Allergic Reaction * 30-Respiratory Distress * 46-Pediatric Respiratory Distress</p> <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Vasopressor used in allergic reactions or anaphylaxis 	<ul style="list-style-type: none"> • 0.3 mg IM (if age < 50 yrs) • 0.15 mg IM (if age > 50 yrs) <p>Nebulized Epinephrine</p> <ul style="list-style-type: none"> • 2 mg (2 ml) mixed with 1 ml of Normal Saline 	<ul style="list-style-type: none"> • See Color Coded List • 0.01 mg/kg IM • (Max dose 0.3 mg) <p>Nebulized Epinephrine</p> <ul style="list-style-type: none"> • 2 mg (2 ml) mixed with 1 ml of Normal Saline



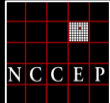
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<p><u>Epinephrine 1:10,000</u></p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 16-Allergic Reaction * 18-Asystole * 29-Pulseless Electrical Activity * 30-Respiratory Distress * 35-Ventricular Fibrillation * 41-Pediatric Bradycardia * 45-Pediatric Pulseless Arrest * 46-Pediatric Respiratory Distress <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Vasopressor used in cardiac arrest. 	<ul style="list-style-type: none"> • 1.0 mg IV • Repeat every 3 - 5 minutes until observe response • (May be given by Endotracheal tube in double the IV dose) <p>Epinephrine Drip:</p> <ul style="list-style-type: none"> • Mix 1 mg in 250 cc Normal Saline or D5W (Yield 4 mcg/ml) • Administer 1-10 mcg/min <table border="1"> <thead> <tr> <th>Dose</th> <th>ml/min</th> <th>ml/hr</th> </tr> </thead> <tbody> <tr><td>1 mcg/min</td><td>0.25 ml/min</td><td>15 ml/hr</td></tr> <tr><td>2 mcg/min</td><td>0.50 ml/min</td><td>30 ml/hr</td></tr> <tr><td>3 mcg/min</td><td>0.75 ml/min</td><td>45 ml/hr</td></tr> <tr><td>4 mcg/min</td><td>1.00 ml/min</td><td>60 ml/hr</td></tr> <tr><td>5 mcg/min</td><td>1.25 ml/min</td><td>75 ml/hr</td></tr> <tr><td>6 mcg/min</td><td>1.50 ml/min</td><td>90 ml/hr</td></tr> <tr><td>7 mcg/min</td><td>1.75 ml/min</td><td>105 ml/hr</td></tr> <tr><td>8 mcg/min</td><td>2.00 ml/min</td><td>120 ml/hr</td></tr> <tr><td>9 mcg/min</td><td>2.25 ml/min</td><td>135 ml/hr</td></tr> <tr><td>10 mcg/min</td><td>2.50 ml/min</td><td>150 ml/hr</td></tr> </tbody> </table>	Dose	ml/min	ml/hr	1 mcg/min	0.25 ml/min	15 ml/hr	2 mcg/min	0.50 ml/min	30 ml/hr	3 mcg/min	0.75 ml/min	45 ml/hr	4 mcg/min	1.00 ml/min	60 ml/hr	5 mcg/min	1.25 ml/min	75 ml/hr	6 mcg/min	1.50 ml/min	90 ml/hr	7 mcg/min	1.75 ml/min	105 ml/hr	8 mcg/min	2.00 ml/min	120 ml/hr	9 mcg/min	2.25 ml/min	135 ml/hr	10 mcg/min	2.50 ml/min	150 ml/hr	<ul style="list-style-type: none"> • See Color Coded List • 0.01 mg/kg IV or IO • (Max dose 0.5 mg) • Repeat every 3 - 5 minutes until observe response • (May be given by Endotracheal tube in double the IV dose)
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1 mcg/min	0.25 ml/min	15 ml/hr																																	
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3 mcg/min	0.75 ml/min	45 ml/hr																																	
4 mcg/min	1.00 ml/min	60 ml/hr																																	
5 mcg/min	1.25 ml/min	75 ml/hr																																	
6 mcg/min	1.50 ml/min	90 ml/hr																																	
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9 mcg/min	2.25 ml/min	135 ml/hr																																	
10 mcg/min	2.50 ml/min	150 ml/hr																																	
<p><u>Etomidate (Amidate)</u></p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 3-Airway Drug Assisted Intubation <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Hypnotic used in Drug Assisted Intubation 	<ul style="list-style-type: none"> • 0.3 mg/kg IV • Usual adult dose = 20 mg 																																		
<p><u>Famotidine (Pepcid)</u> Histamine-2 Blocker</p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 16-Allergic Reaction <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Medication used to control stomach acid and to assist in severe allergic reactions 	<ul style="list-style-type: none"> • 20 mg IV • 20-40 mg PO 																																		



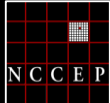
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<p><u>Fentanyl</u> (Sublimaze) Narcotic Analgesic</p> <p>NCCEP Protocol: <ul style="list-style-type: none"> * 10-Pain Control Adult * 11-Pain Control Pediatric * 21-Chest Pain and STEMI * 28-Pulmonary Edema </p> <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> • Narcotic pain relief • Antianxiety • Possible beneficial effect in pulmonary edema • Avoid use if BP < 110 	<ul style="list-style-type: none"> • 50-75 mcg IM/IV/IO bolus then 25 mcg IM/IV/IO every 20-30 minutes until a maximum of 200 mcg or clinical improvement 	<ul style="list-style-type: none"> • See Color Coded List • 1 mcg/kg IM/IV/IO single bolus only (Max 50 mcg)
<p><u>Furosemide</u> (Lasix)</p> <p>NCCEP Protocol: <ul style="list-style-type: none"> * 28-Pulmonary Edema </p> <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> • Diuretic for pulmonary edema or CHF but no proven benefit in prehospital care 	<ul style="list-style-type: none"> • Requires Medical Control Order • 20 mg IV or dose to equal patient's normal single home PO dose (Maximum dose = 160 mg) 	<ul style="list-style-type: none"> • Requires Medical Control Order • 1 mg/kg IV



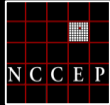
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<p><u>Glucagon</u></p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 7-Behavioral * 13-Universal Patient Protocol * 17-Altered Mental Status * 19-Bradycardia * 29-Pulseless Electrical Activity * 31-Seizure * 33-Suspected Stroke * 34-Syncope * 37-Vomiting and Diarrhea * 40-Obstetrical Emergencies * 41-Pediatric Bradycardia * 42-Pediatric Head Trauma * 43-Pediatric Hypotension * 47-Pediatric Seizure * 54-Adult Head Trauma * 56-Hypothermia <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> • Drug acting to release glucose into blood stream by glycogen breakdown • Use in patients with no IV access 	<ul style="list-style-type: none"> • 1 - 2 mg IM • Follow blood glucose in 15 minutes, if < 60 repeat. 	<ul style="list-style-type: none"> • See Color Coded List • 0.1 mg/kg IM • Follow blood glucose in 15 minutes, if < 60 repeat. • Age > 3 years
<p><u>Glucose Oral</u> <u>Glucose Solutions</u></p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 7-Behavioral * 13-Universal Patient Protocol * 17-Altered Mental Status <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> • Use in conscious hypoglycemic states 	<ul style="list-style-type: none"> • One tube or packet • Repeat based on blood glucose results 	<ul style="list-style-type: none"> • See Color Coded List • One Tube or packet • Repeat based on blood glucose result • Minimal Age = 3 years




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<p><u>Haloperidol</u> (Haldol) Phenothiazine Preparation</p> <p>NCCEP Protocol: * 7-Behavioral</p> <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> Medication to assist with sedation of agitated patients 	<ul style="list-style-type: none"> 5-10 mg IV/IM May repeat as per Medical Control 	
<p><u>Ibuprofen</u> (Motrin) Non-steroidal Anti-inflammatory Drug</p> <p>NCCEP Protocol: * 8-Fever * 10-Pain Control Adult * 11-Pain Control Pediatric * 47-Pediatric Seizure</p> <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> A nonsteroidal anti-inflammatory drug (NSAID) used for pain and fever control. Not to be used in patients with history of GI Bleeding (ulcers) or renal insufficiency. Not to be used in patients with allergies to aspirin or other NSAID drugs Avoid in patients currently taking anticoagulants, such as coumadin. 	<ul style="list-style-type: none"> 400-800 mg po 	<ul style="list-style-type: none"> See Color Coded List 10 mg/kg po




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<p><u>Ipratropium</u> (Atrovent)</p> <p>NCCEP Protocol: * 30-Respiratory Distress * 46-Pediatric Respiratory Distress</p> <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> Medication used in addition to albuterol to assist in patients with asthma and COPD 	<ul style="list-style-type: none"> 2 puffs per dose of MDI (18 mcg/spray) --- OR --- 500 mcg per nebulizer treatment 	<ul style="list-style-type: none"> Use in Pediatrics as a combined Therapy with a Beta Agonist such as Albuterol 2 puffs per dose of MDI (18 mcg/spray) --- OR --- 500 mcg per nebulizer treatment
<p><u>Ketorolac</u> (Toradol) Non-steroidal Anti-inflammatory Drug</p> <p>NCCEP Protocol: * 10-Pain Control Adult</p> <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> A nonsteroidal anti-inflammatory drug used for pain control. Not to be used in patients with history of GI bleeding (ulcers), renal insufficiency, or in patients who may need immediate surgical intervention (i.e. obvious fractures). Not to be used in patients with allergies to aspirin or other NSAID drugs such as motrin Avoid in patients currently taking anticoagulants such as coumadin 	<ul style="list-style-type: none"> 30 mg IV or IM 	<p style="text-align: center;"></p>



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<p>Levalbuterol (Xopenex) Beta-Agonist</p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 30-Respiratory Distress * 46-Pediatric Respiratory Distress * 52-Drowning <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Beta-Agonist nebulized treatment for use in respiratory distress with bronchospasm 	<ul style="list-style-type: none"> • 0.63-1.25 mg (3cc) in nebulizer continuously x 3 doses, if no history of cardiac disease and Heart Rate \leq 150. 	<ul style="list-style-type: none"> • See Color Coded List • 0.31-0.63 mg (3cc) in nebulizer continuously x 3 doses, if no history of cardiac disease and Heart Rate < 200.
<p>Lidocaine</p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 3-Airway Drug Assisted Intubation * 35-Ventricular Fibrillation * 36-Ventricular Tachycardia * 45-Pediatric Pulseless Arrest * 54-Adult Head Trauma <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Antiarrhythmic used for control of ventricular dysrhythmias • Anesthetic used during intubation to prevent elevated intracranial pressures during intubation 	<ul style="list-style-type: none"> • 1.5 mg/kg IV bolus (ETT dose = 2 x IV dose) • Initial Dose 0.75 mg/kg in patients \geq 60 years of age. • Repeat 1/2 initial dose in 10 minutes. • No Drip Administration 	<ul style="list-style-type: none"> • See Color Coded List • 1 mg/kg IV, IO bolus. • Repeat 1/2 initial bolus in 10 minutes • No Drip Administration



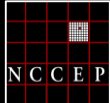
Drug List



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Drug	Adult	Pediatric
<p><u>Lorazepam</u> (Ativan) Benzodiazepene</p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 1-Airway Adult * 3-Airway Drug Assisted Intubation * 4-Airway Pediatric * 7-Behavioral * 28-Pulmonary Edema * 31-Seizure * 32-Supraventricular Tachycardia * 36-Ventricular Tachycardia * 40-Obstetrical Emergencies * 47-Pediatric Seizure * 48-Pediatric Supraventricular Tachycardia * 58-WMD Nerve Agent <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Benzodiazepine used to control seizures and sedation 	<ul style="list-style-type: none"> • 2-4 mg IV/IM • May repeat q 5-10 minutes if seizures not controlled 	<ul style="list-style-type: none"> • See Color Coded List • 0.05-0.1 mg/kg IV/IM (max 2 mg/dose) • May repeat q 5-10 minutes (Maximum of 3 doses) if seizures not controlled
<p><u>Magnesium Sulfate</u></p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 40-Obstetrical Emergencies <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Elemental electrolyte used to treat eclampsia during the third trimester of pregnancy. • A smooth muscle relaxor used in refractory respiratory distress resistant to beta-agonists 	<ul style="list-style-type: none"> • 2 g slow IV push • dose may be repeated once 	<ul style="list-style-type: none"> • Per Medical Control Order • 40 mg/kg slow IV over 30 minutes (Max 2 gms) • dose may be repeated once



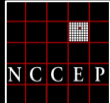
Drug List



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Drug	Adult	Pediatric
<p><u>Methylprednisolone</u> (Solu-medrol) Steroid Preparation</p> <p>NCCEP Protocol: * 16-Allergic Reaction * 30-Respiratory Distress * 46-Pediatric Respiratory Distress</p> <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Steroid used in respiratory distress to reverse inflammatory and allergic reactions 	<ul style="list-style-type: none"> • 125 mg IV 	<ul style="list-style-type: none"> • See Color Coded List • 2 mg/kg IV (Max 125 mg)
<p><u>Metoclopramide</u> (Reglan) Anti-emetic</p> <p>NCCEP Protocol: * 15-Abdominal Pain * 21-Chest Pain and STEMI * 37-Vomiting and Diarrhea</p> <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Anti-Emetic used to control Nausea and/or Vomiting • Ondansetron (Zofrin) is the recommended Anti-emetic for EMS use since it is associated with significantly less side effects and sedation. 	<ul style="list-style-type: none"> • 5-10 mg IM or IV • (If \geq 60 yrs. old dose 5 mg IV) 	<p style="text-align: center;"></p>
<p><u>Metoprolol</u> (Lopressor) Beta-Blockers</p> <p>NCCEP Protocol: * 32-Supraventricular Tachycardia</p> <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Medication used for rate control in the setting of atrial fibrillation with rapid ventricular response and occasionally in the setting of acute myocardial ischemia. 	<ul style="list-style-type: none"> • 5 mg IV over 1 minute. Repeat in 5 minutes up to 15 mg 	<p style="text-align: center;"></p>



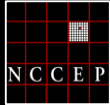
Drug List



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Drug	Adult	Pediatric
<p>Midazolam (Versed) Benzodiazepine</p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 1-Airway Adult * 3-Airway Drug Assisted Intubation * 4-Airway Pediatric * 7-Behavioral * 28-Pulmonary Edema * 31-Seizure * 32-Supraventricular Tachycardia * 36-Ventricular Tachycardia * 40-Obstetrical Emergencies * 47-Pediatric Seizure * 48-Pediatric Supraventricular Tachycardia * 58-WMD Nerve Agent <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Benzodiazepine used to control seizures and sedation • Quick acting Benzodiazepine • Preferred over Valium for IM use • Use with caution if BP < 110 	<ul style="list-style-type: none"> • 0.5-2 mg IV slowly over 2-3 minutes. May slowly titrate dose up to 5 mg total if needed. Usual total dose: 2.5-5 mg • 1–2 mg Nasally via Atomizer. Usual total dose: 2-5 mg. • IM dosage: 5 mg 	<ul style="list-style-type: none"> • See Color Coded List • 0.1-0.2 mg/kg IV or IO slowly over 2 – 3 minutes (Max 2 mg) • 0.2 mg/kg Nasally via Atomizer (Max 2 mg)
<p>Morphine Sulfate Narcotic Analgesic</p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 10-Pain Control Adult * 11-Pain Control Pediatric * 21-Chest Pain and STEMI * 28-Pulmonary Edema <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Narcotic pain relief • Antianxiety • Possible beneficial effect in pulmonary edema • Avoid use if BP < 110 	<ul style="list-style-type: none"> • 4 mg IM/IV/IO bolus then 2 mg IM/IV/IO every 5-10 minutes until a maximum of 10 mg or clinical improvement 	<ul style="list-style-type: none"> • See Color Coded List • 0.1 mg/kg IV or IO single bolus only (Max 5 mg)



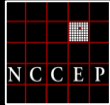
Drug List



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Drug	Adult	Pediatric
<p><u>Naloxone</u> (Narcan) Narcotic Antagonist</p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 17-Altered Mental Status * 26-Overdose/Toxic Ingestion * 29-Pulseless Electrical Activity * 39-Newly Born * 41-Pediatric Bradycardia * 54-Adult Head Trauma * 56-Hypothermia <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> • Narcotic antagonist 	<ul style="list-style-type: none"> • 0.5 - 2 mg IV bolus titrated to patient's respiratory response • 1 – 2 mg Nasally via Atomizer • May be given IM if unable to establish IV or administer Nasally in a known narcotic overdose 	<ul style="list-style-type: none"> • See Color Coded List • 0.1 mg/kg IV, IO, or Nasally via Atomizer (Max 2 mg) • May repeat in 5 minutes if no effect.
<p><u>Normal Saline</u> Crystalloid Solutions</p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 6-Back Pain * 8-Fever * 15-Abdominal Pain * 17-Altered Mental Status * 19-Bradycardia * 21-Chest Pain and STEMI * 22-Dental Problems * 23-Epistaxis * 25-Hypotension * 27-Post Resuscitation * 29-Pulseless Electrical Activity * 30-Respiratory Distress * 37-Vomiting and Diarrhea * 39-Newly Born * 40-Obstetrical Emergencies * 41-Pediatric Bradycardia * 43-Pediatric Hypotension * 44-Pediatric Multiple Trauma * 50-Burns-Thermal * 51-Burns-Chemical and Electrical * 55-Hyperthermia * 57-Multiple Trauma <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> • The IV fluid of choice for access or volume infusion 	<ul style="list-style-type: none"> • KVO for IV access • Bolus in 250-500 ml for cardiac • Bolus in 500 to 1000 ml amount for volume • Bolus in 1000 ml amount for burns or electrical injuries. See Burn Protocol or Reference Materials for IV rates. 	<ul style="list-style-type: none"> • See Color Coded List • KVO for IV or IO access • Bolus in 20ml/kg for volume (May be repeated x 3) • See Burn Protocol or Reference Materials for IV rates.




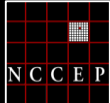
Drug List



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Drug	Adult	Pediatric
<p><u>Nitroglycerin</u></p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 21-Chest Pain and STEMI * 24-Hypertension * 28-Pulmonary Edema <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> • Vasodilator used in anginal syndromes, CHF and Hypertension. 	<p style="text-align: center;"><u>Chest Pain</u></p> <ul style="list-style-type: none"> • 1 spray/tablet SL every 5 minutes until painfree or 3 doses • If SBP < 100, contact medical control • 1" paste after pain free or 3 doses <p style="text-align: center;"><u>Pulmonary Edema</u></p> <ul style="list-style-type: none"> • 1 spray/tablet SL every 1-2 minutes if BP >110 Systolic • Mean Arterial Blood Pressure should not be decreased more than 30% <p style="text-align: center;"><u>Hypertension</u></p> <ul style="list-style-type: none"> • 1 spray/tablet SL every 1-2 minutes until BP <110 Diastolic • Mean Arterial Blood Pressure should not be decreased more than 30% 	
<p><u>Nitrous Oxide</u></p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 10-Pain Control Adult * 11-Pain Control Pediatric <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> • Medication used to assist with control of pain 	<ul style="list-style-type: none"> • Inhaled gas to effect per local protocol with 50/50 mix 	<ul style="list-style-type: none"> • Inhaled gas to effect per local protocol with 50/50 mix
<p><u>Ondansetron (Zofran)</u> Anti-emetic</p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 15-Abdominal Pain * 21-Chest Pain and STEMI * 37-Vomiting and Diarrhea <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> • Anti-Emetic used to control Nausea and/or Vomiting • Ondansetron (Zofrin) is the recommended Anti-emetic for EMS use since it is associated with significantly less side effects and sedation. 	<ul style="list-style-type: none"> • 4 mg IM or IV 	<ul style="list-style-type: none"> • 0.15 mg/kg IV (Max 4 mg) • 0.2 mg/kg PO (Max 4 mg)



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Drug	Adult	Pediatric
<p><u>Oxygen</u></p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 1-Airway Adult * 2-Airway Adult Failed * 3-Airway Drug Assisted Intubation * 13-Universal Patient Protocol * 27-Post Resuscitation * 39-Newly Born <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> • Useful in any condition with cardiac work load, respiratory distress, or illness or injury resulting in altered ventilation and/or perfusion. • Required for pre-oxygenation whenever possible prior to intubation. 	<ul style="list-style-type: none"> • 1-4 liters/min via nasal cannula • 6-15 liters/min via NRB mask • 15 liters via BVM 	<ul style="list-style-type: none"> • 1-4 liters/min via nasal cannula • 6-15 liters/min via NRB mask • 15 liters via BVM
<p><u>Oxymetazoline</u> (Afrin or Otrivin) Nasal Decongestant Spray</p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 23-Epistaxis <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> • Vasoconstrictor used with nasal intubation and epistaxis • Relative Contraindication is significant hypertension 	<ul style="list-style-type: none"> • 2 sprays in affected nostril 	<ul style="list-style-type: none"> • See Color Coded List • 1-2 sprays in affected nostril
<p><u>Pralidoxime</u> (2-PAM)</p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 26-Overdose/Toxic Ingestion * 58-WMD Nerve Agent <p><u>Indications/Contraindications:</u></p> <ul style="list-style-type: none"> • Antidote for Nerve Agents or Organophosphate Overdose • Administered with Atropine 	<ul style="list-style-type: none"> • 600 mg IM or IV 	<ul style="list-style-type: none"> • per Medical Control only



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Drug	Adult	Pediatric
<p><u>Prednisone</u></p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 16-Allergic Reaction * 30-Respiratory Distress * 46-Pediatric Respiratory Distress <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Steroid used in respiratory distress to reverse inflammatory and allergic reactions 	<ul style="list-style-type: none"> • 40-60 mg PO 	<ul style="list-style-type: none"> • See Color Coded List • 1-2 mg/kg PO
<p><u>Procainamide</u> (Pronestyl)</p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 36-Ventricular Tachycardia * 45-Pediatric Pulseless Arrest <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Anti-dysrhythmic medication. Monitor for QRS widening and hypotension 	<ul style="list-style-type: none"> • 100 mg IV load • May repeat q 10 minutes per medical control order • 10-20 mg/min IV infusion 	
<p><u>Promethazine</u> (Phenergan) Anti-emetic</p> <p>NCCEP Protocol:</p> <ul style="list-style-type: none"> * 15-Abdominal Pain * 21-Chest Pain and STEMI * 37-Vomiting and Diarrhea <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> • Anti-Emetic used to control Nausea and/or Vomiting • Ondansetron (Zofrin) is the recommended Anti-emetic for EMS use since it is associated with significantly less side effects and sedation. • IV Promethazine (Phenergan) should be given IV only with great caution. Extravasation of this drug can result in significant local tissue damage. 	<ul style="list-style-type: none"> • 12.5-25 mg IM or IV • (If ≥ 60 yrs. old dose 12.5 mg IV) 	




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Drug	Adult	Pediatric
<p><u>Ranitadine</u> (Zantac) Histamine-2 Blocker</p> <p>NCCEP Protocol: * 16-Allergic Reaction</p> <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> Medication used to control stomach acid and to assist in severe allergic reactions 	<ul style="list-style-type: none"> 50 mg IV 150 mg PO 	
<p><u>Sodium Bicarbonate</u></p> <p>NCCEP Protocol: * 26-Overdose/Toxic Ingestion * 29-Pulseless Electrical Activity</p> <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> A buffer used in acidosis to increase the pH in Cardiac Arrest or Tricyclic Overdose. 	<ul style="list-style-type: none"> 1 amp (50 mEq) IV initially, then 1/2 amp IV every 10 minutes as needed In TCA (tricyclic), 1 amp (50 mEq) bolus, then 2 amps in 1 liter of NS for infusion at 200 ml/hr. 	<ul style="list-style-type: none"> See Color Coded List 1 meq/kg IV, IO initially, then 1/2 meq/kg IV every 10 minutes as needed. TCA (tricyclic) overdose per medical control.
<p><u>Succinylcholine</u> Paralytic Agent</p> <p>NCCEP Protocol: * 3-Airway Drug Assisted Intubation</p> <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> Paralytic Agent used as a component of Drug Assisted Intubation (Rapid Sequence Intubation) Avoid in patients with burns >24 hours old, chronic neuromuscular disease (e.g., muscular dystrophy), ESRD, or other situation in which hyperkalemia is likely. 	<ul style="list-style-type: none"> 1.5 mg/kg IV. If inadequate relaxation after 3 minutes, may repeat dose. Consider atropine to avoid bradycardia associated with repeat dosing. 1.5 mg/kg IM (onset of action is variable and may be substantially delayed) 	<ul style="list-style-type: none"> See Color Coded List 1-2 mg/kg IV, IO 1-2 mg/kg IM (onset of action is variable and may be substantially delayed) Consider atropine (appropriate per color coded list) for any pediatric patient due to likelihood of bradycardia associated with succinylcholine administration)





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Drug	Adult	Pediatric
<p><u>Vasopressin</u> (Pitressin)</p> <p>NCCEP Protocol: * 18-Asystole * 29-Pulseless Electrical Activity * 35-Ventricular Fibrillation</p> <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> Medication used in place of and/or in addition to epinephrine in the setting of ventricular fibrillation/pulsesless ventricular tachycardia 	<ul style="list-style-type: none"> 40 units IV X 1 	
<p><u>Vecuronium</u> Paralytic Agent</p> <p>NCCEP Protocol: * 3-Airway Drug Assisted Intubation</p> <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> Paralytic Avoid in patients with chronic neuromuscular disease (e.g., muscular dystrophy). 	<ul style="list-style-type: none"> 0.1 mg/kg IV. If inadequate relaxation after 5 minutes, may repeat dose. 	<ul style="list-style-type: none"> See Color Coded List 0.25 mg/kg IV, IO Avoid in Broselow Pink
<p><u>Ziprasidone</u> (Geodon)</p> <p>NCCEP Protocol: * 7-Behavioral</p> <p>Indications/Contraindications:</p> <ul style="list-style-type: none"> Treatment of Schizophrenia, Bipolar Disorder, and Manic Disorders Treatment of Agitation an Agitated Delirium May precipitate dysrhythmias with Prolonged QT Intervals 	<ul style="list-style-type: none"> 10 to 20 mg IM 	



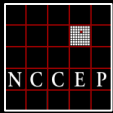
Pediatric Color Coded Drug List



Length < 59.5 cm		Weight 3-5 Kg (Avg 4.0 Kg)				White (0-3 months)
		Vital Signs		Equipment		
Heart Rate 120-150		Acetaminophen 40 mg		Epinephrine 1:10,000 0.04 mg		
Respirations 24-48		Adenosine 1 st Dose- 0.5 mg		Epinephrine 1:1000 ET 0.4 mg		
BP Systolic 70 (+/-25)		Repeat Dose- 1.0 mg		Epinephrine 1:1000 IM 0.06 mg		
		Afrin Nasal Spray HOLD		Fentanyl 8.0 mcg		
		Albuterol 2.5mg		Glucagon 0.2-0.6 mg		
		Amiodarone HOLD		Ibuprofen 2.5 ml		
		Atropine 0.10 mg		Ipratropium 500 mcg		
		Calcium Chloride 80 mg		Levalbuterol 0.31 mg		
		Charcoal N/A		Lidocaine 4 mg		
		Dextrose 10% 20-30 ml		Lorazepam 0.2 mg		
		Diazepam (IV) 0.8 mg		Methylprednisolone 8.0 mg		
		(Rectal) 2.0 mg		Midazolam 0.3-0.9 mg		
		Dilaudid HOLD		Morphine Sulfate 0.6 mg		
		Diphenhydramine 6.5 mg		Naloxone 0.6 mg		
		Dopamine (800 mg in 500 cc)		Ondansetron 0.6 mg		
		2 mcg/kg/min 0.3 ml/hr		Prednisone 4.0 mg		
		5 mcg/kg/min 0.9 ml/hr		Sodium Bicarbonate 4 mEq		
		10 mcg/kg/min 1.7 ml/hr				
		20 mcg/kg/min 3.3 ml/hr				
Equipment						
ET Tube 2.5 - 3.5						
Blade Size 0 - 1						
Defibrillation						
Defibrillation 8 Joules						
Cardioversion 4 Joules						
Normal Saline 40-80 ml						

Length 59.5-66.5 cm		Weight 6-7 Kg (Avg 6.5 Kg)				Pink (3-6 Months)
		Vital Signs		Equipment		
Heart Rate 120-125		Acetaminophen 2.5 ml		Epinephrine 1:10,000 0.065 mg		
Respirations 24-48		Adenosine 1 st Dose- 0.7 mg		Epinephrine 1:1000 ET 0.6 mg		
BP Systolic 85 (+/-25)		Repeat Dose- 1.4 mg		Epinephrine 1:1000 IM 0.06 mg		
		Afrin Nasal Spray HOLD		Fentanyl 13.0 mcg		
		Albuterol 2.5 mg		Glucagon 0.2-0.6 mg		
		Atropine 0.13 mg		Ibuprofen 2.5 ml		
		Amiodarone HOLD		Ipratropium 500 mcg		
		Calcium Chloride 120 mg		Levalbuterol 0.31 mg		
		Charcoal HOLD		Lidocaine 6 mg		
		Dextrose 10% 30-35 ml		Lorazepam 0.33 mg		
		Diazepam (IV) 1.3 mg		Methylprednisolone 13.0 mg		
		(Rectal) 3.2 mg		Midazolam 0.3-0.9 mg		
		Dilaudid HOLD		Morphine Sulfate 0.6 mg		
		Diphenhydramine 6.5 mg		Naloxone 0.6 mg		
		Dopamine (800 mg in 500 cc)		Ondansetron 0.6 mg		
		2 mcg/kg/min 0.5 ml/hr		Prednisone 6.5 mg		
		5 mcg/kg/min 1.3 ml/hr		Sodium Bicarbonate 6 mEq		
		10 mcg/kg/min 2.5 ml/hr				
		20 mcg/kg/min 5.0 ml/hr				
Equipment						
ET Tube 3.5						
Blade Size 1						
Defibrillation						
Defibrillation 13 Joules						
Cardioversion 6 Joules						
Normal Saline 65-130 ml						

Length 66.5-74 cm		Weight 8-9 Kg (Avg 8.5 Kg)				Red (7-10 Months)
		Vital Signs		Equipment		
Heart Rate 120		Acetaminophen 3.1 ml		Epinephrine 1:10,000 0.085 mg		
Respirations 24-32		Adenosine 1 st Dose- 0.9 mg		Epinephrine 1:1000 ET 0.8 mg		
BP Systolic 92 (+/-30)		Repeat Dose- 1.8 mg		Epinephrine 1:1000 IM 0.08 mg		
		Afrin Nasal Spray HOLD		Fentanyl 17.0 mcg		
		Albuterol 2.5 mg		Glucagon 0.3-0.8 mg		
		Atropine 0.17 mg		Ibuprofen 3.1 ml		
		Amiodarone 45 mg		Ipratropium 500 mcg		
		Calcium Chloride 170 mg		Levalbuterol 0.31 mg		
		Charcoal HOLD		Lidocaine 8 mg		
		Dextrose 10% 45-50 ml		Lorazepam 0.43 mg		
		Diazepam (IV) 1.7 mg		Methylprednisolone 17.0 mg		
		(Rectal) 4.25 mg		Midazolam 0.4-1.2 mg		
		Dilaudid HOLD		Morphine Sulfate 0.8 mg		
		Diphenhydramine 7.5 mg		Naloxone 0.8 mg		
		Dopamine (800 mg in 500 cc)		Ondansetron 0.8 mg		
		2 mcg/kg/min 0.7 ml/hr		Prednisone 8.5 mg		
		5 mcg/kg/min 1.6 ml/hr		Sodium Bicarbonate 8 mEq		
		10 mcg/kg/min 3.2 ml/hr				
		20 mcg/kg/min 6.5 ml/hr				
Equipment						
ET Tube 3.5-4.0						
Blade Size 1						
Defibrillation						
Defibrillation 17 Joules						
Cardioversion 8 Joules						
Normal Saline 85-170 ml						



Pediatric Color Coded Drug List



Weight 10-11 Kg (Avg 10.5 Kg)

Length 74-84.5 cm

Vital Signs	
Heart Rate	115-120
Respirations	22-30
BP Systolic	96 (+/-30)

Equipment	
ET Tube	4.0
Blade Size	1

Defibrillation	
Defibrillation	20 Joules
Cardioversion	10 Joules

Normal Saline	105-210ml
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Acetaminophen	3.75 ml
Adenosine	1 st Dose- 1.1 mg
	Repeat Dose- 2.2 mg
Afrin Nasal Spray	HOLD
Albuterol	2.5 mg
Atropine	0.2 mg
Amiodarone	55 mg
Calcium Chloride	210 mg
Charcoal	HOLD
Dextrose 10%	40-60 ml
Diazepam	(IV) 1.0 mg
	(Rectal) 5.0 mg
Dilaudid	HOLD
Diphenhydramine	10 mg
Dopamine	HOLD
(800 mg in 500 ml Normal Saline)	
2 mcg/kg/min	0.8 ml/hr
5 mcg/kg/min	2.0 ml/hr
10 mcg/kg/min	4.0 ml/hr
20 mcg/kg/min	8.0 ml/hr

Epinephrine 1:10,000	0.1 mg
Epinephrine 1:1000 IM	0.1 mg
Fentanyl	21.0 mcg
Glucagon	0.3-1.0 mg
Ibuprofen	3.75 ml
Ipratropium	500 mcg
Levalbuterol	0.63 mg
Lidocaine	10 mg
Lorazepam	0.53 mg
Methylprednisolone	21.0 mg
Midazolam	0.5-1.5 mg
Morphine Sulfate	1.0 mg
Naloxone	1.0 mg
Ondansetron	1.0 mg
Prednisone	10.5 mg
Sodium Bicarbonate	10 mEq

Purple (11-18 Months)

Weight 12-14 Kg (Avg 13 Kg)

Length 84.5-97.5 cm

Vital Signs	
Heart Rate	110-115
Respirations	20-28
BP Systolic	100(+/-30)

Equipment	
ET Tube	4.5
Blade Size	2

Defibrillation	
Defibrillation	26 Joules
Cardioversion	13 Joules

Normal Saline	130-260ml
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Acetaminophen	5 ml
Adenosine	1 st Dose- 1.4 mg
	Repeat Dose- 2.8 mg
Afrin Nasal Spray	1 spray
Albuterol	2.5 mg
Atropine	0.26 mg
Amiodarone	65 mg
Calcium Chloride	260 mg
Charcoal	15 gms
Dextrose 10%	60-80 ml
Diazepam	(IV) 2.6 mg
	(Rectal) 6.5 mg
Dilaudid	HOLD
Diphenhydramine	12.5 mg
Dopamine	HOLD
(800 mg in 500 ml Normal Saline)	
2 mcg/kg/min	0.8 ml/hr
5 mcg/kg/min	2.5 ml/hr
10 mcg/kg/min	5.0 ml/hr
20 mcg/kg/min	10 ml/hr

Epinephrine 1:10,000	0.13 mg
Epinephrine 1:1000 IM	0.13 mg
Fentanyl	26.0 mcg
Glucagon	0.4-1 mg
Ibuprofen	5 ml
Ipratropium	500 mcg
Levalbuterol	0.63 mg
Lidocaine	13 mg
Lorazepam	0.65 mg
Methylprednisolone	26.0 mg
Midazolam	0.6-1.8 mg
Morphine Sulfate	1.3 mg
Naloxone	1.3 mg
Ondansetron	1.3 mg
Prednisone	13.0 mg
Sodium Bicarbonate	13 mEq

Yellow (19-35 Months)

Weight 15-18 Kg (Avg 16.5 Kg)

Length 97.5-110 cm

Vital Signs	
Heart Rate	100-15
Respirations	20-26
BP Systolic	100(+/-20)

Equipment	
ET Tube	5.0
Blade Size	2

Defibrillation	
Defibrillation	35 Joules
Cardioversion	16 Joules

Normal Saline	165-330ml
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Acetaminophen	6.25 ml
Adenosine	1 st Dose- 1.8 mg
	Repeat Dose- 3.6 mg
Afrin Nasal Spray	1 spray
Albuterol	2.5 mg
Atropine	0.33 mg
Amiodarone	85 mg
Calcium Chloride	330 mg
Charcoal	15-30 gms
Dextrose 10%	70-90 ml
Diazepam	(IV) 3.3 mg
	(Rectal) 8.25 mg
Dilaudid	HOLD
Diphenhydramine	15 mg
Dopamine	HOLD
(800 mg in 500 ml Normal Saline)	
2 mcg/kg/min	1.2 ml/hr
5 mcg/kg/min	3.0 ml/hr
10 mcg/kg/min	6.0 ml/hr
20 mcg/kg/min	12 ml/hr

Epinephrine 1:10,000	0.16 mg
Epinephrine 1:1000 IM	0.16 mg
Fentanyl	33.0 mcg
Glucagon	0.5-1.0 mg
Ibuprofen	5.5 ml
Ipratropium	500 mcg
Levalbuterol	0.63 mg
Lidocaine	15 mg
Lorazepam	0.83 mg
Methylprednisolone	33.0 mg
Midazolam	0.8-2.4 mg
Morphine Sulfate	1.5 mg
Naloxone	1.5 mg
Ondansetron	1.5 mg
Prednisone	16.5 mg
Sodium Bicarbonate	15 mEq

White (3-4 yrs)



Pediatric Color Coded Drug List



Weight 19-22 Kg (Avg 20.75 Kg)

Length 110-122 cm

Vital Signs	
Heart Rate	100
Respirations	20-24
BP Systolic	100(+/-15)

Equipment	
ET Tube	5.5
Blade Size	2

Defibrillation	
Defibrillation	40 Joules
Cardioversion	20 Joules

Normal Saline	200-300ml
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Acetaminophen	7.5 ml
Adenosine	1 st Dose- 2.2 mg
	Repeat Dose- 4.4 mg
Afrin Nasal Spray	1 spray
Albuterol	2.5 mg
Atropine	0.4 mg
Amiodarone	100 mg
Calcium Chloride	400 mg
Charcoal	20-40 gms
Dextrose 10%	100 ml
Diazepam	(IV) 4.0 mg
	(Rectal) 10.0 mg
Dilaudid	0.31 mg
Diphenhydramine	20.0 mg
Dopamine	(800 mg in 500 ml Normal Saline)
	2 mcg/kg/min 1.6 ml/hr
	5 mcg/kg/min 3.9 ml/hr
	10 mcg/kg/min 7.8 ml/hr
	20 mcg/kg/min 16 ml/hr

Epinephrine 1:10,000	0.2 mg
Epinephrine 1:1000 IM	0.2 mg
Fentanyl	40.0 mcg
Glucagon	1.0 mg
Ibuprofen	7.5 ml
Ipratropium	500 mcg
Levalbuterol	0.63 mg
Lidocaine	20 mg
Lorazepam	1.0 mg
Methylprednisolone	42.0 mg
Midazolam	1.0-3.0 mg
Morphine Sulfate	2.0 mg
Naloxone	2.0 mg
Ondansetron	2.0 mg
Prednisone	20.0 mg
Sodium Bicarbonate	20 mEq

Blue (5-6 yrs)

Weight 24-30 Kg (Avg 27 Kg)

Length 122-137 cm

Vital Signs	
Heart Rate	90
Respirations	18-22
BP Systolic	105(+/-15)

Equipment	
ET Tube	6.0
Blade Size	2-3

Defibrillation	
Defibrillation	54 Joules
Cardioversion	27 Joules

Normal Saline	270-540ml
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Acetaminophen	10 ml
Adenosine	1 st Dose- 3.0 mg
	Repeat Dose- 6.0 mg
Afrin Nasal Spray	1 spray
Albuterol	2.5 mg
Atropine	0.5 mg
Amiodarone	135 mg
Calcium Chloride	540 mg
Charcoal	25-50 gms
Dextrose 10%	100-150ml
Diazepam	(IV) 4.0 mg
	(Rectal) 10.0 mg
Dilaudid	0.4 mg
Diphenhydramine	25 mg
Dopamine	(800 mg in 500 ml Normal Saline)
	2 mcg/kg/min 2 ml/hr
	5 mcg/kg/min 5 ml/hr
	10 mcg/kg/min 10 ml/hr
	20 mcg/kg/min 20 ml/hr

Epinephrine 1:10,000	0.27 mg
Epinephrine 1:1000 IM	0.3 mg
Fentanyl	54.0 mcg
Glucagon	1.0 mg
Ibuprofen	10 ml
Ipratropium	500 mcg
Levalbuterol	0.63 mg
Lidocaine	25 mg
Lorazepam	1.35 mg
Methylprednisolone	54.0 mg
Midazolam	1.3-3.9 mg
Morphine Sulfate	2.8 mg
Naloxone	2.0 mg
Ondansetron	2.8 mg
Prednisone	27.0 mg
Sodium Bicarbonate	25 mEq

Orange (7-9 yrs)

Weight 32-40 Kg (Avg 36 Kg)

Length 137-150 cm

Vital Signs	
Heart Rate	85-90
Respirations	16-22
BP Systolic	115(+/-20)

Equipment	
ET Tube	6.5
Blade Size	3

Defibrillation	
Defibrillation	70 Joules
Cardioversion	40 Joules

Normal Saline	400-800ml
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Acetaminophen	15 ml
Adenosine	1 st Dose- 4.0 mg
	Repeat Dose- 8.0 mg
Afrin Nasal Spray	2 spray
Albuterol	2.5 mg
Atropine	0.72 mg
Amiodarone	180 mg
Calcium Chloride	720 mg
Charcoal	25-50 gms
Dextrose 10%	150-200ml
Diazepam	(IV) 4.0 mg
	(Rectal) 10.0 mg
Dilaudid	0.54 mg
Diphenhydramine	35 mg
Dopamine	(800 mg in 500 ml Normal Saline)
	2 mcg/kg/min 2.7 ml/hr
	5 mcg/kg/min 7.0 ml/hr
	10 mcg/kg/min 14.0 ml/hr
	20 mcg/kg/min 28.0 ml/hr

Epinephrine 1:10,000	0.36 mg
Epinephrine 1:1000 IM	0.3 mg
Fentanyl	62.0 mcg
Glucagon	1.0 mg
Ibuprofen	15 ml
Ipratropium	500 mcg
Levalbuterol	0.63 mg
Lidocaine	36 mg
Lorazepam	1.8 mg
Methylprednisolone	72.0 mg
Midazolam	1.8-5.4 mg
Morphine Sulfate	3.6 mg
Naloxone	2.0 mg
Ondansetron	3.6 mg
Prednisone	36.0 mg
Sodium Bicarbonate	36 mEq

Green (10-12 yrs)