



Only Medications included in the 2012 NCCEP Protocols are included in this document.

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Medication	Addit Dosilig	i ediatric bosing
Acetaminophen (Tylenol)	• 1000 mg po	See Color Coded List15 mg/kg po
NCCEP Protocol: * 8-Fever * 10-Pain Control-Adult * 11-Pain Control-Pediatric * 47-Pediatric Seizure Indications/Contraindications: Indicated for pain and fever control Avoid in patients with severe liver disease		
Adenosine (Adenocard) NCCEP Protocol: * 32-Supraventricular Tachycardia * 48-Pediatric Supraventricular Tachycardia Indications/Contraindications: • Specifically for treatment or diagnosis of Supraventricular Tachycardia	 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) 	 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)
Albuterol Beta-Agonist NCCEP Protocol: * 30-Respiratory Distress * 46-Pediatric Respiratory Distress * 52-Drowning Indications/Contraindications: • Beta-Agonist nebulized treatment for use in respiratory distress with bronchospasm	2.5-5.0 mg (3cc) in nebulizer continuously x 3 doses, if no history of cardiac disease and Heart Rate ≤ 150.	See Color Coded List 2.5mg (3cc) in nebulizer continuously x 3 doses, if no history of cardiac disease and Heart Rate < 200.



doses may be required (>10 mg)

Drug List



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Amiodarone (Cordarone) NCCEP Protocol: * 35-Ventricular Fibrillation * 36-Ventricular Tachycardia * 45-Pediatric Pulseless Arrest Indications/Contraindications: • Antiarrhythmic used in ventricular Fibrillation. • Avoid in patients with heart block or profound bradycardia. • Contraindicated in patients with iodine hypersensitivity	 V-fib / pulseless V-tach 300 mg IV push Repeat dose of 150 mg IV push for recurrent episodes V-tach with a pulse 150 mg in 100cc D5W over 10 min 	 V-fib / pulseless V-tach 5 mg/kg IV push over 5 minutes for SVT May repeat up to 15mg/kg IV V-tach with a pulse 5 mg/kg IV push over 5 minutes May repeat up to 15mg/kg IV Avoid in Length Tape Color Pink
Aspirin NCCEP Protocol: * 21-Chest Pain and STEMI Indications/Contraindications: • An antiplatelet drug for use in cardiac chest pain	81 mg chewable (baby) Aspirin Give 4 tablets to equal usual adult dose.	Ø
Atropine NCCEP Protocol: * 19-Bradycardia * 26-Overdose/Toxic Ingestion * 41-Pediatric Bradycardia * 58-WMD Nerve Agent Indications/Contraindications: • Anticholinergic drug used in bradycardias. • (For Endotracheal Tube use of this drug, double the dose) • In Organophosphate toxicity, large	Asystole For adults, atropine is not likely beneficial and no longer indicated with PEA or asystole, but may be given at the discretion of the cardiac arrest team leader to a maximum of 3mg Bradycardia 1.5 - 1.0 mg IV every 3 – 5 minutes up to 3 mg. (If endotracheal max 6 mg) Organophosphate 1-2 mg IM or IV otherwise as per medical control	See Color Coded List





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Atropine and Pralidoxime Auto- Injector Nerve Agent Kit NCCEP Protocol: * 26 Overdose/Toxic Ingestion * 58-WMD Nerve Agent	One auto-injector then per medical control	See Color Coded List One pediatric auto-injector then as per medical control
 Indications/Contraindications: Antidote for Nerve Agents or Organophosphate Overdose 		
Calcium Chloride NCCEP Protocol: ★ 19-Bradycardia ★ 29-Pulseless Electrical Activity ★ 41-Pediatric Bradycardia Indications/Contraindications: Indicated for severe hyperkalemia	 One amp (10 ml) or 1 gm IV Avoid use if pt is taking digoxin 	 See Color Coded List 20 mg/kg IV or IO slowly
Charcoal NCCEP Protocol: ★ 26-Overdose/Toxic Ingestion Indications/Contraindications: Binds, or absorbs, various chemical agents and drugs from the GI tract Combined with Sorbitol to promote GI motility	 50 gms po or NG Tube Limit use to ingestions known to have occurred less than 1 hour prior to EMS arrival and only to ingestions of agents known to adsorb to charcoal 	 See Color Coded List 1 gm/kg PO (Max 25 gms) Limit use to ingestions known to have occurred less than 1 hour prior to EMS arrival and only to ingestions of agents known to adsorb to charcoal





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IVICUICATION	Addit Dosilig	i ediati ic bosing
Dextrose 10%		See Color Coded List
Glucose solutions		2-10 ml/kg IV or IO starting at low
Gradoud Coranonio		dose
NCCEP Protocol:		Repeat based on blood glucose results
* 7-Behavioral		resuits
* 13-Universal Patient Protocol		
* 17-Altered Mental Status		
* 37-Vomiting and Diarrhea		
* 39-Newly Born		
* 40-Obstetrical Emergencies		
* 41-Pediatric Bradycardia		
42-Pediatric Head Trauma43-Pediatric Hypotension		
* 45-Pediatric Pulseless Arrest		
* 47-Pediatric Seizure		
* 56-Hypothermia		
Indications/Contraindications:		
Use in unconscious or		
hypoglycemic states		
Dextrose 50%		
Glucose Solutions	One amp or 25 gm IV bolus	
Glucose Solutions	Repeat based on blood glucose	
NCCEP Protocol:	results	
* 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 Trauma56-Hypothermia		
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Indications/Contraindications:		
Use in unconscious or		
hypoglycemic states		





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Diazepam (Valium) Benzodiazepene NCCEP Protocol: * 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 Indications/Contraindications: • Seizure control • Mild Sedation	•	5 mg IV initially then 2.5 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.	•	See Color Coded List 0.1 - 0.3 mg/kg IV/IO (Max dose 4 mg IV, IO) O.5 mg/kg rectally (Dia-Stat) (Max dose 10 mg rectally) Repeat as directed by medical control.
Dilaudid (Hydromorphone) Narcotic Analgesic NCCEP Protocol: * 10-Pain Control Adult * 11-Pain Control Pediatric * 21-Chest Pain and STEMI * 28-Pulmonary Edema Indications/Contraindications: Narcotic pain relief Antianxiety Possible beneficial effect in pulmonary edema Avoid use if BP < 110	•	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	•	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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Diltiazem (Cardizem) Calcium Channel Blocker	 0.25 mg/kg IV over 2 minutes May repeat at 0.35mg/kg IV over 2 minutes if necessary 	Ø
NCCEP Protocol: * 32-Supraventricular Tachycardia		
 Indications/Contraindications: Calcium channel blocker used to treat narrow complex SVT Contraindicated in patients with heart block, ventricular tachycardia, and/or acute MI 		
Diphenhydramine (Benadryl) NCCEP Protocol: * 16-Allergic Reaction	• 50 mg IV/IM/PO	 See Color Coded List 1 mg/kg IV/IO/IM Do not give in infants < 3 mo (Max dose 25 mg)
 Indications/Contraindications: Antihistamine for control of allergic reactions 		
Dopamine NCCEP Protocol: * 19-Bradycardia * 25-Hypotension * 27-Post Resuscitation * 29-Pulseless Electrical Activity * 43-Pediatric Hypotension Indications/Contraindications: • A vasopressor used in shock or hypotensive states	2 - 20 micrograms/kg/min titrate to BP systolic of 90 mmHg	See Color Coded List 2 - 20 micrograms/kg/min IV or IO, titrate to BP systolic appropriate for age





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Medication	Addit Dosilig	i ediatric bosing
Epinephrine 1:1,000 NCCEP Protocol: * 16-Allergic Reaction * 30-Respiratory Distress * 46-Pediatric Respiratory Distress Indications/Contraindications: • Vasopressor used in allergic reactions or anaphylaxis	 0.3 mg IM (if age < 50 yrs) 0.15 mg IM (if age > 50 yrs) Nebulized Epinephrine 2 mg (2 ml) mixed with 1 ml of Normal Saline 	 See Color Coded List 0.01 mg/kg IM (Max dose 0.3 mg) Nebulized Epinephrine 2 mg (2 ml) mixed with 1 ml of Normal Saline
Epinephrine 1:10,000 NCCEP Protocol: * 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 Indications/Contraindications: • Vasopressor used in cardiac arrest.	 1.0 mg IV Repeat every 3 - 5 minutes until observe response (May be given by Endotracheal tube in double the IV dose) 	 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)
Etomidate (Amidate) NCCEP Protocol: * 3-Airway Drug Assisted Intubation Indications/Contraindications: • Sedative used in Drug Assisted Intubation	 0.3 mg/kg IV Usual adult dose = 20 mg 	Ø





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Famotidine (Pepcid) Histamine-2 Blocker NCCEP Protocol: * 16-Allergic Reaction Indications/Contraindications: • Medication used to control stomach acid and to assist in severe allergic reactions	20 mg IV20-40 mg PO	Ø
Fentanyl (Sublimaze) Narcotic Analgesic NCCEP Protocol: * 10-Pain Control Adult * 11-Pain Control Pediatric * 21-Chest Pain and STEMI * 28-Pulmonary Edema Indications/Contraindications: Narcotic pain relief Antianxiety Possible beneficial effect in pulmonary edema Avoid use if BP < 110	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	See Color Coded List 1 mcg/kg IM/IV/IO single bolus only (Max 50 mcg)
Furosemide (Lasix) NCCEP Protocol: * 28-Pulmonary Edema Indications/Contraindications: • Diuretic for pulmonary edema or CHF but no proven benefit in prehospital care	 Requires Medical Control Order 20 mg IV or dose to equal patient's normal single home PO dose (Maximum dose = 160 mg) 	 Requires Medical Control Order 1 mg/kg IV





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ng IM	•	See Color Coded List
blood glucose in 15 es, if < 60 repeat.	•	0.1 mg/kg IM Follow blood glucose in 15 minutes, if < 60 repeat. Age > 3 years
be or packet t based on blood glucose	•	See Color Coded List One Tube or packet Repeat based on blood glucose result Minimal Age = 3 years





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Haloperidol (Haldol) Phenothiazine Preperation NCCEP Protocol: * 7-Behavioral Indications/Contraindications: • Medication to assist with sedation of agitated patients	 5-10 mg IV/IM May repeat as per Medical Control 	Ø
Ibuprofen (Motrin) Non-steroidal Anti- inflammatory Drug	• 400-800 mg po	 See Color Coded List 10 mg/kg po Do not use in patients 6 months of age or younger
 NCCEP Protocol: * 8-Fever * 10-Pain Control Adult * 11-Pain Control Pediatric * 47-Pediatric Seizure 		
 Indications/Contraindications: 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.		





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Ipratropium (Atrovent) NCCEP Protocol: * 30-Respiratory Distress * 46-Pediatric Respiratory Distress Indications/Contraindications: • Medication used in addition to albuterol to assist in patients with asthma and COPD	2 puffs per dose of MDI (18 mcg/spray) OR 500 mcg per nebulizer treatment	 Use in Pediatrics as a combined Therapy with a Beta Agonist such as Albuterol 2 puffs per dose of MDI (18 mcg/spray)
Ketorolac (Toradol) Non-steroidal Anti- inflammatory Drug NCCEP Protocol: * 10-Pain Control Adult Indications/Contraindications: • 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	30 mg IV or 60 mg IM	Ø





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Levalbuterol (Xopenex) Beta-Agonist NCCEP Protocol: * 30-Respiratory Distress * 46-Pediatric Respiratory Distress * 52-Drowning Indications/Contraindications: • Beta-Agonist nebulized treatment for use in respiratory distress with bronchospasm	0.63-1.25 mg (3cc) in nebulizer continuously x 3 doses, if no history of cardiac disease and Heart Rate ≤ 150.	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.
NCCEP Protocol: * 3-Airway Drug Assisted Intubation * 35-Ventricular Fibrillation * 36-Ventricular Tachycardia * 45-Pediatric Pulseless Arrest * 54-Adult Head Trauma Indications/Contraindications: • Antiarrhythmic used for control of ventricular dysrrythmias • Anesthetic used during intubation to prevent elevated intracranial pressures during intubation	 1.5 mg/kg IV bolus (ETT dose = 2 x IV dose) up to 3mg/kg max bolus dose Initial Dose 0.75 mg/kg in patients > 60 years of age. Repeat 1/2 initial dose in 10 minutes. No Drip Administration 	 See Color Coded List 1 mg/kg IV, IO bolus up to 3mg/kg max bolus dose Repeat 1/2 initial bolus in 10 minutes No Drip Administration





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Lorazepam (Ativan) Benzodiazepene NCCEP Protocol: * 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 Indications/Contraindications: Benzodiazepine used to control	 2-4 mg IV/IM May repeat q 5-10 minutes if seizures not controlled 	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
NCCEP Protocol: * 40-Obstetrical Emergencies * T21-Pediatric Respiratory Distress Indications/Contraindications: • Elemental electrolyte used to treat eclampsia during the third trimester of pregnancy. • A smooth muscle relaxor used in refractory respiratory distress resistent to beta-agonists	 2 g slow IV push dose may be repeated once 	 Per Medical Control Order 40 mg/kg slow IV over 20 minutes (Max 2 gms) dose may be repeated once





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Methylprednisolone (Solu-medrol) Steroid Preparation	• 125 mg IV	 See Color Coded List 2 mg/kg IV (Max 125 mg)
 NCCEP Protocol: 16-Allergic Reaction 30-Respiratory Distress T21-Pediatric Respiratory Distress Indications/Contraindications: Steroid used in respiratory distress to reverse inflammatory and 		
Anti-emetic	 5-10 mg IM or IV (If ≥ 60 yrs. old dose 5 mg IV) 	Ø
NCCEP Protocol: * 15-Abdominal Pain * 21-Chest Pain and STEMI * 37-Vomiting and Diarrhea Indications/Contraindications:		
 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. 		
Contraindicated in patients with suspected GI obstruction, perforation, or bleeding.		





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Metoprolol (Lopressor) Beta-Blockers NCCEP Protocol: * 32-Supraventricular Tachycardia Indications/Contraindications: • Medication used for rate control in the setting of atrial fibrillation with rapid ventricular response and occassionally in the setting of acute myocardial ischemia.	5 mg IV over 1 minute. Repeat in 5 minutes up to 15 mg	Ø
Midazolam (Versed) Benzodiazepine NCCEP Protocol: * 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 Indications/Contraindications: Benzodiazepine used to control seizures and sedation Quick acting Benzodiazepine Preferred over Valium for IM use Use with caution if BP < 110	 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 IM dosage: 5 mg 	See Color Coded List 0.1-0.2 mg/kg IV or IO slowly over 2 – 3 minutes (Max 2 mg)





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Morphine Sulfate Narcotic Analgesic NCCEP Protocol: * 10-Pain Control Adult * 11-Pain Control Pediatric * 21-Chest Pain and STEMI * 28-Pulmonary Edema Indications/Contraindications: • Narcotic pain relief • Antianxiety • Possible beneficial effect in pulmonary edema • Avoid use if BP < 110	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	See Color Coded List 0.1 mg/kg IV or IO single bolus only (Max 5 mg)
Naloxone (Narcan) Narcotic Antagonoist NCCEP Protocol: * 17-Altered Mental Status * 26-Overdose/Toxic Ingestion * 29-Pulseless Electrical Activity * 39-Newly Born * 41-Pediatric Bradycardia * 54-Adult Head Trauma * 56-Hypothermia Indications/Contraindications: Narcotic antagonist	 0.5 - 2 mg IV bolus titrated to patient's respiratory response May be given IM if unable to establish IV in a known narcotic overdose 	 See Color Coded List 0.1 mg/kg IV or IO (Max 2 mg) May repeat in 5 minutes if no effect.



 The IV fluid of choice for access or volume infusion

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Medication	Adult Dosing	Pediatric Dosing
Normal Saline Crystalloid Solutions NCCEP Protocol: * 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	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.	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.
* 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 Indications/Contraindications:		





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Modication	Addit Dosilig	i calatile besing
NCCEP Protocol: * 21-Chest Pain and STEMI * 24-Hypertension * 28-Pulmonary Edema Indications/Contraindications: • Vasodilator used in anginal syndromes, CHF and Hypertension.	Chest Pain 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 Pulmonary Edema 1 spray/tablet SL every 1-2 minutes if BP >110 Systolic Mean Arterial Blood Pressure should not be decreased more than 30% Hypertension 1 spray/tablet SL every 1-2 minutes until BP <110 Diastolic Mean Arterial Blood Pressure should not be decreased more than 30%	Ø
NCCEP Protocol: * 10-Pain Control Adult * 11-Pain Control Pediatric Indications/Contraindications: • Medication used to assist with control of pain	Inhaled gas to effect per local protocol with 50/50 mix	Inhaled gas to effect per local protocol with 50/50 mix
Ondansetron (Zofran) Anti-emetic NCCEP Protocol: * 15-Abdominal Pain * 21-Chest Pain and STEMI * 37-Vomiting and Diarrhea Indications/Contraindications: • 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.	• 4 mg IM or IV	 0.15 mg/kg IV (Max 4 mg) 0.2 mg/kg PO (Max 4 mg)





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<u>Oxygen</u>	•	1-4 liters/min via nasal cannula	•	1-4 liters/min via nasal cannula
NCCEP Protocol: * 1-Airway Adult * 2-Airway Adult Failed * 3-Airway Drug Assisted Intubation * 13-Universal Patient Protocol * 27-Post Resuscitation * 39-Newly Born	•	6-15 liters/min via NRB mask 15 liters via BVM	•	6-15 liters/min via NRB mask 15 liters via BVM
 Indications/Contraindications: 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. 				
Oxymetazoline (Afrin or Otrivin) Nasal Decongestant	•	2 sprays in affected nostril	•	See Color Coded List 1-2 sprays in affected nostril
Spray				
NCCEP Protocol: * 23-Epistaxis				
Indications/Contraindications:				
 Vasoconstrictor used with nasal intubation and epistaxis Relative Contraindication is significant hypertension 				
Pralidoxime (2-PAM)	•	600 mg IM or IV	•	per Medical Control only
NCCEP Protocol: ★ 26-Overdose/Toxic Ingestion ★ 58-WMD Nerve Agent				
Indications/Contraindications:				
Antidote for Nerve Agents or Organophosphate OverdoseAdministered with Atropine				





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Prednisone				
<u> </u>	•	40-60 mg PO	•	See Color Coded List
NCCEP Protocol:			•	1-2 mg/kg PO
* 16-Allergic Reaction				
* 30-Respiratory Distress				
★ 46-Pediatric Respiratory Distress				
Indications/Contraindications:				
Steroid used in respiratory distress				
to reverse inflammatory and				
allergic reactions				
<u>Procainamide</u>	•	100 mg IV load	•	15mg/kg IV/IO over 30 minutes
(Pronestyl)	•	May repeat q 10 minutes per		romg, ng 17/10 over oo minuteo
		medical control order		
NCCEP Protocol:	•	20mg/min IV infusion until		
* 36-Ventricular Tachycardia		ventricular tachycardia resolves, or		
* 45-Pediatric Pulseless Arrest		to a total dose of 17mg/kg		
Indications/Contraindications:				
Anti-dysrhythmic medication.				
Monitor for QRS widening and				
hypotension				
<u>Promethazine</u>	•	12.5-25 mg IM or IV		
(Phenergan)	•	(If \geq 60 yrs. old dose 12.5 mg IV)		(/)
Anti-emetic	ľ	(II <u>></u> 00 yrs. old dose 12.5 mg rv)		
And chiede				
NCCEP Protocol:				
★ 15-Abdominal Pain				
★ 21-Chest Pain and STEMI				
* 37-Vomiting and Diarrhea				
Indications/Contraindications:				
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.				



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Medication	Adult Dosing	Pediatric Dosing
Ranitadine (Zantac) Histamine-2 Blocker NCCEP Protocol: * 16-Allergic Reaction Indications/Contraindications: • Medication used to control stomach acid and to assist in severe allergic reactions	50 mg IV150 mg PO	Ø
Sodium Bicarbonate NCCEP Protocol: ★ 26-Overdose/Toxic Ingestion ★ 29-Pulseless Electrical Activity Indications/Contraindications: • A buffer used in acidosis to increase the pH in Cardiac Arrest or Tricyclic Overdose.	 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. For wide QRS due to TCA overdose, 1 meq/kg/dose bolus, then repeat doses as needed until the QRS narrows, then 150 meq in 1 liter of NS for infusion at 250cc/hr. 	 See Color Coded List 1 meq/kg IV, IO initally, then 1/2 meq/kg IV every 10 minutes as needed. TCA (trycyclic) overdose per medical control.
Succinylcholine Paralytic Agent NCCEP Protocol: ★ 3-Airway Drug Assisted Intubation Indications/Contraindications: • 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	 1.5 mg/kg IV. If inadequate relaxation after 3 minutes, may repeat dose. Consider atropine to avoid bradycardia associated with repeat dosing. 3.0 mg/kg IM (onset of action is variable and may be substantially delayed) 	 See Color Coded List 1-2 mg/kg IV, IO 3.0 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)





Only Medications included in the 2012 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.

Vasopressin (Pitressin) NCCEP Protocol: * 18-Asystole * 29-Pulseless Electrical Activity * 35-Ventricular Fibrillation	• 40 units IV X 1	Ø
 Indications/Contraindications: Medication used in place of and/or in addition to epinephrine in the setting of ventricular fibrillation/pulsesless ventricular tachycardia 		
Vecuronium Paralytic Agent NCCEP Protocol: * 3-Airway Drug Assisted Intubation Indications/Contraindications: • Paralytic • Avoid in patients with chronic neuromuscular disease (e.g., muscular dystrophy).	0.1 mg/kg IV. If inadequate relaxation after 5 minutes, may repeat dose.	 See Color Coded List 0.25 mg/kg IV, IO Avoid in Broselow Pink
Ziprasidone (Geodon) NCCEP Protocol: * 7-Behavioral Indications/Contraindications: • Treatment of Schizophrenia, Bipolar Disorder, and Manic Disorders • Treatment of Agitation an Agitated Delirium • May precipitate dysrhythmias with Prolonged QT Intervals	• 40 units IV X 1	Ø