

EMS Region Medication List 2010

EMT-B MEDICATIONS Patient Assisted Medications (PAM) and Ambulance Stock Medications		
Medication	Protocol/Use	Dose
Epinephrine Auto-injector (Epi-pen)	Allergic/Anaphylactic reaction	Adult 0.3 mg; Infant/Child 0.15 mg; Patient Assisted Medication (PAM) <u>Physician order required.</u>
Glucose (Oral)	Hyper/Hypoglycemia	15 grams between cheek & gum or under tongue. Patient must be able to maintain own airway. Ambulance stock medication. <u>Standing orders.</u>
Metered-Dose Inhaler (MDI)	Breathing Difficulty	Medication and dose as prescribed by patient's physician. Patient Assisted Medication (PAM). <u>Physician order required.</u>
Nitroglycerin	Chest Pain/AMI	0.4 mg SL Repeat every 3-5 minutes up to 3. Patient Assisted Medication (PAM) or Ambulance stock medication (IV Box) <u>Physician order required.</u>
Aspirin	Chest Pain/AMI	324 mg PO Patient Assisted Medication (PAM) or Ambulance stock medication (IV Box) <u>Physician order required.</u>

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Medication	Protocol/Use	Dose
Adenosine <i>Adenocard</i>	Adult Tachycardia - Narrow Complex	6 mg rapid IV push; Follow with rapid 10 ml NS bolus If not resolved in 1-2 minutes repeat at 12 mg rapid IV push
	Pediatric Tachycardia - Narrow Complex	0.1 mg/kg rapid IV; Follow with rapid 10 ml NS bolus. Repeat at 0.2 mg/kg
Albuterol <i>Proventil</i> <i>Ventolin</i>	Allergic/Anaphylactic Reaction	2.5 mg HHN
	Trauma - Crush Syndrome	For Asystole, PEA, VF/Pulseless V-TACH: 2.5 mg HHN/BVM
		For peaked T wave, wide QRS, lengthening QT, loss of P wave: continuous albuterol via HHN/BVM
	Breathing Difficulty Pediatric Breathing Difficulty	2.5 mg HHN. If no improvement or in severe distress, albuterol 2.5 mg / atrovent 0.5mg
	Pediatric Allergic/Anaphylaxis	2.5 mg HHN if wheezing or diminished lung sounds
Amiodarone <i>Cordarone</i>	Adult V-Fib / Pulseless V-Tach	300 mg IV repeat in 3-5 minutes at 150 mg IV
	Hypothermia V-Fib / Pulseless V-Tach	300 mg IV. Repeat dose physician order.
	ROSC (Return of Spontaneous Circulation)	150 mg in 100 ml NS over 10 minutes Contraindicated if current rhythm is bradycardia or heart block
	Pediatric Tachycardia - Wide Complex	5 mg/kg IV given over 20 minutes.
	Pediatric V-Fib / Pulseless V-Tach	5 mg/kg IV. Repeat 5mg/kg if necessary.
Aspirin	Chest Pain/AMI	324 mg PO EMT-B: Patient Assisted Medication (PAM) or Ambulance stock medication (IV Box) <u>Physician order required.</u>
	Diving Medical Disorders	648 mg PO
Ativan	Adult Combative Patient	2 mg IM

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<i>Lorazepam</i>	OB GYN – Pregnancy Eclampsia Adult Seizures Pediatric Seizures	Adult: 2 mg IV/IM/IO Pediatric: 0.1 mg/kg up to 2 mg IV/IM/IO
<i>Atropine</i>	Adult Asystole Adult PEA (if heart rate <60)	1 mg IV repeat every 3-5 minutes Maximum dose 0.04 mg/kg or 3 mg
	Adult Bradycardia	0.5 mg IV repeat every 3-5 minutes Maximum dose 0.04 mg/kg or 3 mg.
	Pediatric Bradycardia	0.02 mg/kg IV. Minimum dose 0.1 mg. Maximum single dose child 0.5 mg, adolescent 1.0 mg. May be repeated once. Not for neonates.
	RSI Adult	Bradycardia 1 mg
	RSI (Pediatric)	Bradycardia 0.02 mg/kg Minimum dose 0.1 mg
<i>Atrovent Ipratropium Bromide</i>	Breathing Difficulty Pediatric Breathing Difficulty	0.5 mg HHN (administered with albuterol) Atrovent only allowed once under standing order.
Calcium Chloride	Crush Syndrome	1 gm IV over 3 minutes
	Dialysis – Renal Failure	Cardiac Arrest – 1 gram over 3 minutes Post Dialysis with peaked T-waves with widened QRS – 0.5-1. gram in 100 ml NS over 10 minutes
Dextrose 50%	Hyper/Hypoglycemia	Adult (glucometry < 60) 25 gm IV
	Crush Syndrome	25 gm IV administered with insulin 10 units IV
	Pediatric Hyper / Hypoglycemia	Child > 2 years old: (glucometry < 60) D50W 1-4 2/kg IV or IO Child < 2 years old: (glucometry <60) D25W 2-4 ml/kg IV or IO Newborn (0-30 days; glucometry < 40): D10W 2-4 ml/kg IV or IO Rectal if no response to glucagon: 0.5 g/kg with lubricated syringe
<i>Diazepam Valium</i>	Post-intubation sedation Sedation for pacing	Adult: 5 mg in incremental doses slow IV
	Cholenergics	5-10 mg IV/IO/IM
	Pregnancy (if seizures persist) Seizures Sedation for cardioversion	Adult: Up to 5 mg slow IV (over 2 minutes)
	Pediatric AOV (post intubation sedation)	2 mg

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	Pediatric Seizures	0.1 mg/kg IV (Max 4 mg) If no IV: Rectal 0.4 mg/kg with lubricated syringe
<i>Diphenhydramine</i> Benadryl	Allergic/Anaphylactic Reaction	50 mg IV or IM <i>Peds: 1 mg/kg</i>
Dopamine <i>Intropin</i>	Adult Bradycardia Shock / Non-Traumatic ROSC (Return of Spontaneous Circulation) Asphyxiants, Cholenerics, Corrosives, Hydrocarbons, Irritant gases	2-10 mcg/kg/min titrate to BP 90-100 systolic; BP 100-110 in the head injured patient
Epinephrine 1:1000	Allergic/Anaphylactic Reaction	0.01 mg/kg IM/SQ maximum dose 0.5 mg
	Pediatric Asystole / PEA Pediatric Bradycardia Pediatric V-Fib / Pulseless V-Tach	0.1 mg/kg (1:1000 0.1 ml/kg added to 2-5 ml NS maximum of 10 ml fluid) ETT Repeat in 3-5 minutes as necessary
	Pediatric Allergic / Anaphylaxis	0.01 mg/kg IM/SQ maximum dose 0.5 mg
Epinephrine 1:10,000	Adult Asystole Adult V-fib / Pulseless V-Tach Adult PEA	1 mg IV/IO push repeat every 3-5 minutes
	Hypothermia V-fib/ Pulseless V-Tach	1 mg IV/IO Additional doses physician order
	Pediatric Asystole / PEA Pediatric Bradycardia Pediatric V-fib / Pulseless V-Tach	0.01 mg/kg (1:10,000 0.1 ml/kg) IV/IO Repeat in 3-5 minutes as necessary
Nebulized Epinephrine	Pediatric Breathing Difficulty	2 ml 1:1000 in 2 ml NS in HHN
Epinephrine Drip	Adult Bradycardia	2-10 mcg/min Add 1 mg 1:1000 to 250ml D5W (or 0.4 mg to 100ml bag) for concentration 4 mcg/ml
Etomidate <i>Amidate</i>	Rapid Sequence Induction	0.3 mg/kg IV push over 30-60 seconds
Glucagon	Hyper/Hypoglycemia Adult and Pediatric	1 mg IM
Glucose (Oral)	Hyper/Hypoglycemia	1 tube between cheek & gum or under tongue
Haldol <i>Haloperidol</i>	Combative Patient	5 mg IM Repeat dose of 10 mg IM if indicated
Lasix <i>Furosemide</i>	Breathing Difficulty	40 mg IV
	Pediatric Breathing Difficulty	2 mg/kg IV
Lidocaine <i>Xylocaine</i>	Adult V-fib / Pulseless V-Tach	If unable to obtain IV access: 3mg/kg ETT If no response to amiodarone: 1- 1.5 mg/kg IV

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	Pediatric V-fib / Pulseless V-Tach	If vascular attempts fail, 2 mg/kg ETT. May repeat same dose if necessary.
	RSI	Head Injury- 1 mg/kg up to 100mgs IV/IO
	Vascular Access (EZ IO insertion)	Adult 20-40 mg Pediatric 0.5 mg/kg
Magnesium Sulfate	Adult V-fib / Pulseless V-Tach	For Torsades or refractory VF 2 g in 10ml NS over 5 minutes, IV push
	Breathing Difficulty	2 g in 100 ml NS IV over 5 minutes
	Pregnancy (Pre-eclampsia)	2 g in 100 ml NS IV over 5 minutes
	Pediatric Breathing Difficulty	50 mg/kg (maximum dose 2 grams) in 250 ml NS IV/IO drip over 10-15 minutes
Morphine	Burns Chest Pain/AMI Breathing Difficulty Pain Management Trauma Trauma - Crush Syndrome	2 mg slow IV (Do not exceed 10 mg Total) Pediatric dose: 0.1 mg/kg maximum of 5 mg; may be repeated once after 10 minutes
Naloxone <i>Narcan</i>	Toxicological Emergencies (overdose)	Adult: 2-4 mg IV or IM. May repeat once Pediatric: 0.1 mg/kg up to 2 mg IV or IM
Nitroglycerin	Chest Pain/AMI Breathing Difficulty	0.4 mg SL repeat every 3-5 minutes up to 3 Additional doses physician order. EMT-B: Patient Assisted Medication (PAM) or Ambulance stock medication (IV Box) <u>Physician order required.</u>
Nitroglycerin Paste	Chest Pain/AMI Breathing Difficulty	1 inch transdermal covered with bioclusive dressing
Norcuron <i>Vecuronium</i>	Rapid Sequence Induction	10 mg IV push to maintain paralysis
Sodium Bicarbonate	Adult Asystole Adult PEA Pediatric Asystole/PEA	1 mEq/kg IV Consider for pre-existing acidosis, tricyclic overdose, return of circulation after long arrest, as determined by medical control
	Dialysis/ Renal Patient	Cardiac Arrest: 1 mEq/kg IV/IO Post Dialysis with peaked T-waves with widened QRS 1 mEq/kg IV/IO
	Toxicological Emergencies	50 mEq IV/IO over 2 minutes
	Trauma - Crush Syndrome	1-2 mEq/kg IV
Solu-Medrol <i>Methylprednisolone</i>	Allergic/Anaphylactic Reaction Breathing Difficulty	125 mg IV
	Pediatric Breathing Difficulty	<u>Solumedrol should not be routinely administered to pediatric patients; however it may be considered for extended transports (physician order only)</u> 2 mg/kg IV

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Succinylcholine <i>Anectine</i>	Rapid Sequence Induction	Adult 1.5 mg/kg IV up to 150 mg Child 1-2 mg/kg Infant 1-2 mg/kg
Thiamine	Hyper/Hypoglycemia	100 mg IV if patient abuses ETOH/is malnourished
Versed <i>Midazolam</i>	Post-intubation sedation Sedation for cardioversion/pacing Seizures	2 mg slow IV
	Pediatric Seizures Pediatric Tachycardia-Narrow Complex	0.1 mg/kg IV/IO/IO (Max 2 mg) 6 mo.- to 5 yrs.- 0.05- 1.0 mg/kg (max single dose 2 mg) 6 to 12 years- 0.025- 0.05 mg/kg (max single dose 2 mg) 12 to 16 years- 1.0 to 2.0 mg (max single dose 2 mg)
Zofran <i>Ondansetron</i>	Nausea/Vomiting Pain Management - Trauma	4 mg IV/IM, may repeat dose one time.