



The Commonwealth of Massachusetts
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MEMORANDUM

TO: All MA Licensed Ambulance Services and MA Accredited EMT Training Institutions
CC: EMCAB Members
FROM: Dr. Jonathan Burstein, State Emergency Medical Services (EMS) Medical Director
DATE: July 1, 2014
RE: Required Medications on Paramedic Ambulances per Updated Statewide Treatment Protocols, v. 12.03

In order for ambulance services licensed at the ALS-Paramedic level to provide care in accordance with the 2014 updated Statewide Treatment Protocols (STP), v. 12.03, they will need to make some changes in the medications or medication levels they carry. This document is a temporary update to OEMS form 500-23 "Ambulance Inspection Report Form—Advanced Life Support."

Services must complete training and medication changes for STP v. 12.03 by September 6, 2014. Once a service has successfully trained all of their providers, and adjusted vehicle medication levels, they may begin operating under the revised protocols. Of note: Charcoal has been removed completely, and Haloperidol (Haldol) added, in quantities below. Paramedic units must carry full doses of midazolam, and AT LEAST FULL DOSES of either Diazepam or Lorazepam. It is permissible to carry all three benzodiazepines.

All changes (beyond minor typos) are highlighted below, and include clarification of minimum required stock, addition to, and removal of some medications. Please note, medications may be available in concentrations not listed below, and should be maintained in consultation with the hospital pharmacist and affiliate hospital medical director. ALL of the following medications are required:

Medication Name	Concentration/ Formulation	Total dose on vehicle
Adenosine (Adenocard)	6mg/2mL	60mg
Albuterol	2.5mg for Nebulizer	10mg
Amiodarone	150mg/3mL	900mg
Atropine Sulfate	1mg	8mg
Calcium Chloride	10% solution-- 100mg/mL	2g
Cetacaine Spray		2 doses
NeoSynephrine/ Phenylephrine na- sal		2 doses
Lidocaine Jelly		2 doses
Dextrose	25g of D10, additional medication as D10, D25 or D50	50gm
Diazepam (Valium)		20mg
Diphenhydramine (Benadryl)	50mg	100mg
Dopamine	1600mg	1600mg
Epinephrine	1:1000 for infusion	2mg
Epinephrine	0.3mg and 0.15mg (Auto-Injector)	2 each dose
Epinephrine	1:10,000 (1mg pre-filled syringes)	12mg
Fentanyl (Sublimaze)	50mcg/mL	400mcg
Furosemide (Lasix)	40mg/mL	160mg
Glucagon	1mg ampules	4mg

Medication Name	Concentration/ Formulation	Total dose on vehicle
Haloperidol (Haldol)	5mg	10mg
Ipratropium Bro- mide (Atrovent)	500mcg	2000mcg /4 doses
Lidocaine HCL 2%	Pre-Filled syringes	600mg
Lidocaine HCL	Vials for infusion or pre- mixed bags	4gm
Lorazepam (Ativan)		8mg
Magnesium Sulfate	4mg Pre-Filled	8gm
Metoprolol (Lopressor)	5mL ampule	30mg
Midazolam (Versed)	5mg/mL	10mg
Morphine Sulfate	4mg Pre-filled	20mg
Naloxone (Narcan)		20mg
Nitroglycerin	Bottle or 6 unit dose tabs & Paste (1) tube/2 doses	1 each
Ondansetron (Zofran)	2mg/mL	16mg
Racemic Epinephrine	11.25mg/2mL	2 doses
Sodium Bicarbonate	8 pre-filled @ 50mL	150 mEq
Solu-Medrol (Methylprednisolone) OR Solu-Cortef (Hydrocortisone)	125mg OR 100mg	250mg OR 200mg
Thiamine (B1)	100mg/mL	200mg

Additional, optional medications include Hydroxocobamin (B12), Nerve Agent antidote kits, Cyanide antidote kits, Tetracaine and Vasopressin, or as authorized by a DPH.

If you have any questions, please contact Daniel Saxe, NRP I/C, OEMS Trauma Coordinator, at daniel.saxe@state.ma.us.