



Office of the Medical Director
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February 11, 2014

MEMORANDUM #2014-01

FROM: Office of the Medical Director
Saginaw Valley Medical Control Authority (SVMCA)

SUBJECT: PHARMACY RECERTIFICATION – February 28, 2014

The Greater Bay Area EMS Medication System will be recertifying all EMS drug boxes and kits on **February 28, 2014**. All boxes and bags will need to be turned into a participating pharmacy for recertification during the morning hours beginning around 07:30 am. Recertified boxes/kits will have a **blue** tag which will signify that they are good through June, 2014

CHANGES/SHORTAGES:

Due to a system-wide shortage, the **nitroglycerin drips** will be *temporarily* removed from ALL boxes during this recertification. Many of the bottles are about to expire and there is a greater need for in-patients at this time. Once the shortage has been remedied, we hope to get the nitroglycerin drip back in the boxes.

Adenosine is running low at this time. During this shortage, pharmacies may have to pull 2 of the 5 doses of adenosine so that all boxes have at least some. This will allow for two rounds of the medication (6mg then 12mg). Boxes that have only 3 vials will be marked.

Midazolam in the 10 mg/2 ml vials is in short supply. Some boxes may end up with vials that are 5 mg/1 ml. The concentration is the same and we will continue to have a total of 20 mg but there may additional vials in the controlled substances kit.

At the last pharmacy meeting there was a discussion about **amiodarone** drips and the Tachycardia Protocol (wide-complex). The protocol says; “Administration of Amiodarone is best accomplished by adding Amiodarone 150 mg to 50, 100 or 250 ml of NS and infusing over approximately 10 minutes.” In our boxes the smallest NS is 250 ml which may be too much fluid for a patient in failure. After consulting with our pharmacists, the AHA guidelines, and other sources we have concluded that using D₅W is a safe and acceptable substitute for NS. The drug remains stable in D₅W and many sources use it as a primary fluid for dilution over NS. We will be working with the MDCH to update the protocol to reflect this.

As always, if you have any question please feel free to contact our office.

A handwritten signature in black ink, appearing to read 'Eric Snidersich'.

Eric Snidersich, BS EMT-P
EMS Manager, SVMCA

Attachment: Inventory List (February 2014)



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| MEDICATION BOX INVENTORY - FEBRUARY 2014 | | | | | | |
|--|--|------------------|--------------------|--|-------------------------------------|---|
| TRAY 1 | | | | TRAY 3 | | |
| 2 | Clave Adapter | | | 3 | Atropine Sulfate | 1 mg/10 ml pre-filled syringe |
| 2 | Atomizer | | | 2 | Lidocaine | 100 mg/5ml pre-filled syringe |
| 3 | IV Start Kit | | | 1 | Calcium Chloride 10% | 1 Gram/10 ml pre-filled syringe |
| 2 | Saline Flush | 10 ml | pre-filled syringe | 2 | Syringe | 1 ml |
| 3 | Safety IV Catheter | 14 GA x 1.75" | Insyte Autoguard | 2 | Syringe | 3 ml Luer Lock |
| 3 | Safety IV Catheter | 16 GA x 1.16" | Insyte Autoguard | 2 | Syringe | 10 ml Luer Lock |
| 3 | Safety IV Catheter | 18 GA x 1.16" | Insyte Autoguard | 1 | Syringe | 20 ml Luer Lock |
| 3 | Safety IV Catheter | 20 GA x 1.16" | Insyte Autoguard | 1 | Syringe | 30 or 35 ml Luer Lock |
| 3 | Safety IV Catheter | 22 GA x 1" | Insyte Autoguard | MEDICATIONS - BOTTOM OF BOX | | |
| 3 | Safety IV Catheter | 24 GA x 1" | Insyte Autoguard | 1 | 50% Dextrose | 25 Grams/50 ml pre-filled syringe |
| TRAY 2 | | | | 8 | Epinephrine 1:10,000 | 1 mg/10 ml pre-filled syringe |
| 2 | Diphenhydramine | 50 mg/1 ml | vial | 2 | Sodium Bicarbonate 8.4% | 50 MEq/50 ml pre-filled syringe |
| 1 | Methylprednisolone | 125 mg/2 ml | vial | IV SOLUTIONS - BOTTOM OF BOX | | |
| 1 | Glucagon injection | 1 mg | diluent/powder | 1 | Dextrose 5% in Water | 250 ml |
| 2 | Naloxone | 2 mg/2 ml | pre-filled syringe | 2 | Normal Saline | 500 ml |
| 2 | Acetaminophen (Tylenol) | 160 mg/5 ml | unit-dose cup | 1 | Dextrose 5% in Water 50ml | 50 ml 1 bag minimum. May be more. |
| 1 | Oral Syringe | 5 ml | | IV SETS - BOTTOM OF BOX | | |
| 2 | Ondansetron (Zofran) | 4 mg/2 ml | vial | 3 | Primary Macro Drip Tubing | Clave port |
| 3 | Safety Needle | 19 GA x 1 1/2" | | 2 | Primary Micro Drip Tubing | Clave port |
| 3 | Safety Needle | 21 GA x 1 1/2" | | 1 | Primary Pump Tubing | Plum pump |
| 3 | Safety Needle | 23 GA x 5/8" | | MISCELLANEOUS - BOTTOM OF BOX | | |
| 2 | Ipratropium (Atrovent) | 0.5 mg/2.5 ml | unit-dose vial | 1 | Nitroglycerin (temporarily removed) | 50 mg/250 ml pre-mixed container |
| 2 | Albuterol (Proventil) | 2.5 mg/3 ml | unit-dose vial | 1 | Paper Bag | |
| 2 | Magnesium Sulfate | 1 Gram/2 ml | vial | 1 | Nebulizer | |
| 1 | Epinephrine 1:1000 | 30 mg /30 ml | vial | 1 | 4-way Stopcock Extension | |
| 1 | Nitroglycerin | 0.4 mg tab (#25) | bottle | 1 | Illinois Iliac Needle | 16 ga. (8881245164) Kendall-Monoject |
| 4 | Aspirin | 81 mg chew tab | unit-dose packet | 1 | Illinois Iliac Needle | 15 ga. (DIN1515X) Baxter |
| 1 | Red plastic reseal lock | | | RED BAG-CONTROLLED SUBSTANCES (SEALED WITH RED) | | |
| 2 | Vasopressin | 20 u/1 ml | vial | 1 | Carpuleject Injector | |
| 3 | Amiodarone | 150 mg/3 ml | vial | 2 | Diazepam | 10 mg/2 ml carpuleject or vial |
| 1 | Dopamine | 400 mg/5 ml | vial | 2 | Fentanyl | 100 mcg/2 ml carpuleject or vial |
| 5 | Adenosine (may have 3 vials due to shortage) | 6 mg/2 ml | vial | 2 | Morphine | 10 mg/1 ml carpuleject, vial, or pre-filled syringe |
| 1 | Bacteriostatic NAACL | 30 ml | vial | 2 | Midazolam | 10 mg/2 ml (may use 5mg/1ml vials as needed for 20 mg total) vial |

| ALS MINI-KIT - FEBRUARY 2014 | | | |
|------------------------------|---------------------------|------------------|--------------------|
| 2 | Clave Adapter | | |
| 1 | IV Start Kit | | |
| 2 | Saline Flush Syr | 10 ml | |
| 2 | Safety IV Catheter | 18 GA x 1.16" | Insyte Autoguard |
| 2 | Safety IV Catheter | 20 GA x 1.16" | Insyte Autoguard |
| 2 | Safety IV Catheter | 22 GA x 1" | Insyte Autoguard |
| 1 | Syringe | 3 ml | Luer Lock |
| 1 | Safety Needle | 19 GA x 1 1/2" | |
| 1 | Ondansetron (Zofran) | 4 mg/2 ml | vial |
| 2 | Ipratropium (Atrovent) | 0.5 mg/2.5 ml | unit-dose vial |
| 2 | Albuterol (Proventil) | 2.5 mg/3 ml | unit-dose vial |
| 1 | Nitroglycerin | 0.4 mg tab (#25) | bottle |
| 4 | Aspirin | 81 mg chew tab | unit-dose packet |
| 1 | 50% Dextrose | 25 Grams/50 ml | pre-filled syringe |
| 1 | Normal Saline | 250 ml | |
| 1 | Primary Macro Drip Tubing | | Clave port |
| 1 | Red plastic reseal lock | | |
| 1 | Paper Bag | | |

| BLS KIT - FEBRUARY 2014 | | | |
|-------------------------|-----------------------|----------------|------------------|
| 1 | Epi-Pen | 0.3 mg | Auto Injector |
| 1 | Epi-Pen Jr. | 0.15 mg | Auto Injector |
| 1 | Nebulizer | | |
| 4 | Aspirin | 81 mg chew tab | unit-dose packet |
| 2 | Albuterol (Proventil) | 2.5 mg/3 ml | unit-dose vial |