***Patient Controlled Analgesia (PCA):***

Due to the recent shortages on IV opioids and change in compounding vendors, our morphine and hydromorphone PCAs will be provided in a 50ml NS bag formulation instead of a cassette. This will occur on March 15th, 2018 and will involve a change in workflow. Nurses, please make sure to do the 2018 PCA/PCEA Lock box update in Swank (Module #062) before the go live date so that you are familiar with the changes.

The CADD Prizm pump will continue to be used, but because the morphine and hydromorphone PCA is now in a bag, it cannot be physically secured to the pump as the cassette was. Lockboxes are now available to house the morphine/hyrdromorphone PCA and the CADD Prism pump. In addition, PCA Cassette Adapter tubing will be used to connect the IV bag containing drug to the pump. (see pictures below).



***PCA Lock Box Assembly:*** To house pump, Bag, ***PCA Cassette Adapter Tubing***

adapter tubing

The Morphine PCA will be available as a 50mg per 50ml NS IV bag, the exact same concentration and size as the cassette. The new hydromorphone PCA will be available as a 10mg in 50ml NS size, which is the same concentration as before, but a different size (e.g. previous was available as a 20mg in 100ml NS cassette). Please note this change in volume when programming the pump.

These new morphine and hydromorphone PCA bags will eventually be placed in the pyxis machines for convenience. However, due to the current shortage and limited availability of these pre-manufactured compounded PCA bags, our MHS pharmacy will compound all PCAs on demand until further notice of availability. Nurses should contact pharmacy for new doses and bags when needed and pharmacy will deliver directly to the nurse on the floor. Please call or message pharmacy in advance (about 60 minutes before a new bag is needed) to prevent any delays.

May I help you?



**DRUG SHORTAGES**

**HYDROMORPHONE**

**MORPHINE**

**FENTANYL**

**IV Potassium Chloride**

**KETAMINE**

**TPN**

**DOPAMINE**

**DOBUTAMINE**

**LIDOCAINE 1g/250ml**

**FLUORESCEIN strips**

**NaCl 23.4% & 14.6% VL**

**IV DILTIAZEM**

**IV METOCLOPRAMIDE**

**For more information**

**contact:**

www.ashp.org/DrugShortages