

Management of Spinal Kit Medication: Feb. 28, 2018

The company that manufactures **preservative-free bupivacaine 0.75%/dextrose 8.25% spinal 2ml** is having production issues and as a result, supplies have become very limited at this time. The specifics of the issues are unknown, but the estimated resolution date is the end of April 2018.

Given the manufacturer cannot meet the demand for prepared spinal kits with bupivacaine/dextrose, Mercy will have spinal kits and **0.75% preservative-free bupivacaine (plain) available. At this time the supply of manufacturer-prepared spinal kits with bupivacaine/dextrose will be limited to the MMC Birthplace.**

OR:

- Staff in the OR should pull the spinal kit, spinal needle, introducer and 0.75% preservative-free bupivacaine for spinal cases.
- **The 0.75% preservative-free bupivacaine has been added to the CUR AcuDose.**
- Post-operatively, no significant change in patient care should be experienced.

OB:

- Staff in OB should pull the manufacturer-prepared spinal kit containing bupivacaine/dextrose for spinal cases.
- In the event the manufacturer-prepared spinal kit containing bupivacaine/dextrose is not available, OB Staff should pull the spinal kit (without bupivacaine/dextrose), spinal needle, introducer, and **0.75% bupivacaine/dextrose 8.25%. This medication is located in the OB AnesthesiaRX machine.**
- In the event the manufacturer-prepared spinal kit containing bupivacaine/dextrose is not available AND the 0.75% bupivacaine/dextrose 8.25% stock is depleted, OB staff should pull the spinal kit (without bupivacaine/dextrose), spinal needle, inducer, and **0.75% bupivacaine. This medication is located in the OB AcuDose located in the OB Medication Room.**

0.75% and 0.5% PF Bupivacaine Supply:

- The current supply of 0.75% bupivacaine is appropriate to meet projected demands.
- The production of 0.5% bupivacaine has been limited due to one manufacturer exiting the market, one manufacturer experiencing production issues, and the remaining manufacturer being unable to meet demand.
 - At present MMC has an approximate six-week supply.
 - Pharmacy will continue to assess this shortage and provide updates as they become available.

Anesthesiologists:

To document the bupivacaine 0.75%, go to the Intra-op Record to the Meds button. Click on the Local Anesthetic tab and select the bupivacaine (MARCAINE) injection 0.75% button.

Medication Administration - Anesthesia

Macrg ✓

Check Interval Assessment

Staff Place Post Orders

Position

Meds

Blood

Airways

Meds

Output

Resp

Other

O2

N2O

Air

O2 Supplemental

2mL fentaNYL 50mcg/mL

midazolam 1mg/mL

propofol 10mg/mL

propofol 10mg/mL

2mL fentaNYL 50mcg/mL

Cell Saver

Urine

Blood

Other

Vent Mode

Tidal (Observed)

Resp

PIP Observed

PEEP/CPAP

Room Temperature

Add New

O2 (L/min)

N2O (L/min)

Air (L/min)

O2 Supplemental (L/min)

2mL fentaNYL 50mcg/mL (SUBLIMAZE) injection (mcg)

midazolam 1mg/mL (2mg vial)(VERSED) injection (mg)

propofol 10mg/mL (10mL) (100mg/10mL) bolus or infus. (mg)

Active

Intra-op Meds

Pre-op Meds

Fluids

IV Anesthetic

Local Anesthetic

bupivacaine (MARCAINE) injection 0.25%

bupivacaine 0.25% and epinephrine 1:200,000 injection

bupivacaine (MARCAINE) injection 0.5%

bupivacaine 0.5% and epinephrine 1:200,000 injection

bupivacaine (MARCAINE) injection 0.75%

bupivacaine 0.75%-dextrose 8.25%

bupivacaine 2%-EPINEPHRINE 1:100,000 injection

lidocaine injection 4%

ropivacaine (NAROPIN) injection 0.5%

ropivacaine (NAROPIN) injection 0.75%

fentanyl-bupivacaine 2 mcg/0.125% epidural premix

fentanyl-bupivacaine 5 mcg/0.125% epidural