

4.15.2014

## Emergency Equipment at Codes

### Changes in deployment of defibrillators and suction and daily emergency check processes

Effective **April 15, 2014**, the PICU staff will no longer bring a defibrillator cart to Dr. Blues. PICU will now only bring the "intubation medication box" to all codes. Defibrillators and suction machines have been deployed to all areas where there is a Children's Standardized Code Cart (code cart). Additionally, outpatient clinics, and any common space code carts (Mpls Welcome Center 2<sup>nd</sup> Floor, Mpls LL MESA and StP Lab LL) now have pulse oximetry.

**On April 8, a defibrillator monitor and a suction machine were deployed to all units/departments that currently have a Children's Standardized Code Cart. This change:**

- a) Ensures that the Dr. Blue team responding to your area will have the ability to have access to a defibrillator monitor and suction without the need to transport such out of the PICUs.
- b) Allows the PICU team to respond to a Dr. Blue call either by stairs or elevator.
- c) Standardizes our process for identifying defibrillator supplies (electrode pads – 1 of each size, 2-ECG 3-pak electrodes, 1-roll of printer paper) and the process to replace any used or expired supplies.

**The requirement for those units not having had a defibrillator or suction prior to this time is to:**

- Know the location of your unit's defibrillator, and ensure that both the Children's Standardized Code Cart along with the Defibrillator cart (if placed on a separate cart other than the Code Cart) is brought to the Dr. Blue event.
- Perform daily defibrillator checks (verify self test and complete user test) along with checking that the supplies are present and not expired – see the attached procedure.
- Check that the Suction machine is plugged into a power source and the green light is on. Biomed will do all other checks.
- Familiarize staff with the process of exchanging the supplies if expired – instructions provided on daily check instruction sheet.

The role of the PICU RN will continue to be that of assessing the pulses, placing the defibrillator pads/assessing the rhythm, and defibrillating the patient as indicated.

The ED RN or delegee brings the code cart with defibrillator, suction and pulse oximeter on the cart to those areas where there is not a Children's Standardized Code Cart (current process). In addition, EZIOs are now available for use on the code cart for access by personnel trained in EZ IO insertion.

If you have questions about this process, contact one of the following Resuscitation Committee members: Karen Mathias, Allan Palmer, John Hendricks, Kim Lorence, or Janet Logid.

## LifePak Daily Check Procedure 4\_10\_2014

1. **Verify LifePak daily Self Test completed:** *The Self Test verifies the therapy cable attached to the LifePak at the time of Self Test and monitor are working properly. The hands-free therapy cable is the default to have attached to the LifePak unless unit standards outline otherwise.*
  - a. LifePak has been plugged into AC Power with test plug connected to end of the hands-free therapy cable (OR if paddles are default, the Self Test occurs with Paddles cable connected and paddles firmly seated in paddle wells).
  - b. Self Test occurs between 0300-0400 daily (you can hear the machine start up on its own).
  - c. Verify print out from LifePak recorder indicating Self Test has occurred and passed Self Test. Print out does not need to be kept once staff verify successful completion of Self Test.
  - d. If Self Test has failed, the LifePak stays on and a message will appear on the LifePak machine. Contact Biomed as outlined below.
  
2. **Perform USER Test:** *The User Test verifies readiness of battery and function of the cable (hands-free therapy cable or paddles cable) attached to the LifePak at time of the USER test. For units who have the hands-free therapy cable only, the USER test is done with the same test plug connected to end of the hands-free therapy cable. For units who have both hands-free therapy cable and paddles, the USER test is done with the cable/paddles not attached to the LifePak for the Self Test.*
  - a. Unplug the machine from AC power.
  - b. Press On button, if not already on.
  - c. Press OPTIONS.
  - d. Use the speed dial (black dial/knob) to scroll to "USER TEST". Press the speed dial in to activate USER TEST.
    - i. Using the Speed dial, select "yes" to – Do you want to stop monitoring the patient?
    - ii. The machine will complete a test of all functions over approximately one minute and automatically power off.
    - iii. Completion of USER Test will print out from the LifePak printer. Print out does not need to be kept once successful USER Test is completed.
  - e. Re-plug machine into AC power.
  - f. Verify hands-free therapy cable & test plug are in place and all connections secure, or, if paddles are default set up, paddles are firmly seated in paddle wells and all connections secure.
  
3. **Check all supplies are available, functional, and non-expired**
  - a. All cables present with no signs of damage or exposed wires
    - i. Hands-free therapy cable connected (or paddles cable connected; paddles dust free and firmly seated in paddle wells if default)
    - ii. ECG cable connected (if slave/synch cable is default, the ECG cable should be readily available)
    - iii. AC power cord connected
  - b. The following supplies are located in the defibrillator saddlebag pouch that is closed with a zip-tie indicating items are present and non-expired:
    - i. One each: ProPad Defib Adult #9307, Quick-combo Pediatric #9306, ProPad Mini-PEDS #23193.
    - ii. One roll of paper, recording LifePak 50mm # 9362. Two packages of ECG Red Dot 3PK LF monitoring electrodes #18097.
  - c. If supplies are used in a code or found expired, call Materials for a new supply bag to be tubed to your unit and replace into saddlebag pouch, securing with new zip-tie noting new expiration date on zip-tie.
  - d. Return by tube system the used or outdated supply bag once you have the new defibrillator supplies secured in the defibrillator saddlebag pouch.
  
4. **Document** completion of Defibrillator check on Unit Code Cart Checklist or Unit Defibrillator Checklist.
  
5. **Self or USER Test Fail?** Contact **Biomed** if any part of the defibrillator Self Test or USER Test fails.  
MPLS X 5-6383  
STP X 6-6297
  
6. **Defibrillator supplies** (outlined above) in saddlebag pouch **used in a Dr. Blue or expired?** Contact **Materials**.  
MPLS X 5-8215  
STP X 6-6982

03.18.14 Note: Units may have required unit specific checks, ie., Slave/Synch cables, internal paddles, etc. These items are managed at the unit level and unit specific checks can be added to the defibrillator cart checklist.