

## HIGH DESERT HEALTH SYSTEM AMBULATORY SURGICAL CENTER

<b>SUBJECT:</b> XII-105 CRASH CART/DEFIBRILLATOR CHECKS	<b>POLICY #:</b> 1278
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<b>DATE APPROVED:</b> 06/28/2016	

**PURPOSE:** To ensure availability of a functional defibrillator and an appropriately stocked and prepared crash cart.

**POLICY:** A licensed nurse will check all Crash Carts for completeness and defibrillators functionality daily.

### PROCEDURE:

#### I. Crash Cart Check

- A. When performing the daily check, confirm that the following items are available:

##### Defibrillator

1. Zoll One Step electrodes (adult electrodes pre-connected)
2. OneStep cable
3. ETCO<sub>2</sub> Cable and adaptor
4. Recorder paper

##### Crash Cart

1. Oxygen tank, full
2. Oxygen flow meter, key and connector
3. Notebook with Code Blue Records, ACLS Algorithms, crash cart contents, and crash cart checklist
4. Disposable Ambu bag with adult and small adult mask on the cart
5. Nonrebreather mask, adult
6. Oropharyngeal Airways (80, 90, 100)
7. Sharps container
8. Box of latex free gloves
9. Box of masks with face shields
10. Arrest backboard
11. Tracheostomy Tray (PACU only)
12. Flashlight

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### Suction

1. Turn on suction to check for functionality (adult crash cart only in PACU, pediatric crash cart in OR).
2. Suction tubing and Yankaur available by each suction.

### B. Documentation

1. Using the crash cart checklist, indicated the presence of each of the above listed items, sign and date record.
2. Any missing items are to be replaced by the individual assigned to check the crash cart.

## II. Defibrillator Check

- A. Ensure the unit is plugged into AC power and is clean and free of visible damage, including the cables, cords and connectors.
- B. Check the printer for an adequate supply of paper.
- C. Assure the batter is fully charged by pressing the button on top of the battery to display illumination of all five indicators.
- D. The Zoll R Series Plus Defibrillator's readiness indicator should display a check mark. If the daily automatic code readiness test has failed, and "X" is displayed and the unit is not ready for use. If failed and connected to AC power, it will display a Code Readiness status report, indicating what function or accessories are compromised. If not, connected to AC power, plug the unit in and press TEST LOG softkey to display the report. Any corrective action needs to be carried out by the person assigned to check the crash cart.
- E. Defibrillator Testing with Hands-Free Therapy Electrodes (to be done once per week).
  1. Connect the Zoll R Series defibrillator to power and assure the OneStep cable is attached to unopened OneStep electrodes.
  2. Turn the unit off for at least 10 seconds and then turn the mode selector to DEFIB to initiate a self-test.
  3. Press the ENERGY SELECT button to set the energy to 30 joules.
  4. Press the CHARGE button.

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5. When the charge-ready tone sounds, press the ENERGY SELECT button to set the energy to 20 joules. The defibrillator will alarm itself.
6. Press ENERGY SELECT button to reset the energy to 30 joules
7. Press CHARGE button until the shock is delivered. The unit displays “30J TEST OK” and prints a stipchart indicating the test results. If the message “30J TEST FAILED” is displayed, do not use the defibrillator and contact Bio-Medical department.

**F. Pacer Testing (to be done once per week)**

1. Turn the Mode Selector to PACER
2. Turn the PACER RATE control to 150 bpm, then press RECORDER button. On the stripchart, confirm that pacing stimulus markers occur about every centimeter.
3. Press and hold the **4:1** button, which should decrease the frequency of the pacing stimulus markers to every 4 centimeters.
4. Turn the PACER OUTPUT control to 0 mA. There should be no “CHECK PADS” or “POOR PAD CONTACT” messages.
5. Disconnect the OneStep cable from the electrodes and slowly turn the PACING OUTPUT control to at least 16 mA. The alternating message “CHECK PADS” and “POOR PAD CONTACT” should appear. An alarm will sound and the CLEAR PACE ALARM softkey will illuminate.
6. Reconnect the OneStep cable and press the CLEAR PACE ALARM softkey to stop the alarm tone.

**REFERENCE:**

Zoll Medical Corporation (2013). R Series Operator’s Guide ALS. Chelmsford, MA: Zoll Medical Corporation.

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