

HIGH DESERT HEALTH SYSTEM AMBULATORY SURGICAL CENTER

SUBJECT: XII-102 ANESTHESIA MACHINE AND MONITOR RESPONSE TO POWER FAILURE	POLICY #: 1277
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DATE APPROVED: 08/10/2018	

PURPOSE: To define a standard procedure and safe course of action if electrical power fails in the operating room.

POLICY: The Ambulatory Surgery Center (ASC) Anesthesia staff must be knowledgeable and comply with the following procedures during a power failure.

PROCEDURE:

General

1. The ASC has an emergency generator that will come on automatically if main power fails. In case of a catastrophic event in which the emergency source also fails, a portable back-up generator is available.
2. All anesthesia machines in the ASC allow gas flow without electrical power.
3. All medical equipment in the operating room should be plugged into the red outlet.
4. Other equipment varies in capability:
 - a. Aestiva/5 contains a lead acid battery supplies battery backup. The Aestiva is not a portable unit. Batteries are used as backup power in case of a power failure. Thus the battery is in a float charge state most of the time. Batteries meet the following:
 1. Capacity to operate for 30 minutes.
 2. Unit functions to specifications through the transition to battery power.
 3. Long float charge life.
 4. Battery pack is internally fused-in line replacement.
 5. Battery terminals and connecting wires are protected against short circuits.

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(Only Datex-Ohmeda service representatives are to replace the battery.

Batteries must be disposed of in accordance with applicable regulatory requirements in effect at the time and place of disposal.)

- b. Phillips MX800 and IntelliVue Gas Analyzer: The monitor is plugged into the Aestiva therefore will utilize the backup battery from the anesthesia machine.

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