

Nursing Practice Manual: Perioperative

G-ANES015 Anesthesia machine setup: Malignant Hyperthermia

Purpose:

- To ensure a patient with history whether personal or family does not come in contact with potent volatile anesthesia gases.

Supplies:

- Soda lime (Sodasorb™)
- Breathing circuit

Set-up:

1. Gather supplies
2. Remove Isoflurane and Sevoflurane vaporizers from the anesthesia machine and out of room.
3. With breathing circuit attached to the machine set switch to bag-vent.
4. Place anesthesia machine to the following settings:
 - Dial O₂ or air to 15 Lpm
 - Tidal volume 700 ml
 - I:E ratio of 1:2
 - Rate of 12
 - Peep off

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5. The machine needs to flush for a minimum of 35 minutes.
6. Leaving the bag-vent switch in place remove the breathing circuit. Allow the bellows to deflate completely.
7. Dispose of the breathing circuit and soda sorb granules outside the OR.
8. Place a new breathing circuit and new soda sorb granules in canister(s).
9. 10 seconds before connecting the breathing circuit to the patient flush the O₂ at 15 Lpm.

References:

1. GE Healthcare, Current per manufactures most current version
The Anesthesia Machine and Malignant Hyperthermia

Director of Surgical Services

Date