

Section: Division of Nursing

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PROCEDURE

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OR
(Scope)

TITLE: INSUFFLATORS SET UP AND USE

PURPOSE: To outline nursing responsibility in the use of the CO₂ insufflators in the OR.

SUPPORTIVE DATA: The CO₂ insufflators are used in the OR to instill the gas into the abdomen for better visibility during endoscopic abdominal surgery.

EQUIPMENT LIST: 1. Storz Insufflator

CONTENT:

PROCEDURE STEPS:

KEY POINTS:

1. Plug into electrical outlet.
2. Turn power to insufflator **ON**.
3. Keep intra-abdominal pressure set at 12mm to 15mmHg (per surgeon's preference).
4. Connect silastic tube to outlet indicated "**To Patient**", the other end to insufflating instrument.
5. Set Insufflate switch to **ON** for gas flow.
6. When procedure is complete, set insufflate switch to **OFF** position.
7. To change gas tank follow these steps:
 - a. Make sure insufflator is OFF.
 - b. Using a wrench, turn valve on tank clockwise to seal used tank.
 - c. Remove tube housing and then remove old tank from cart.
 - d. Place new tank on cart, remove seal and firmly seat tube housing on tank.
 - e. Using a wrench, turn valve on tank counter clockwise to open new tank.

3. a. Volume tells total amount of gas flow.
- b. Use – or + on pressure selection to adjust pressure.

Reference: Storz Insufflator Manual – Karl Storz, Endoscopy; Culver City, CA