

Section: Division of Nursing

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**PROCEDURE**  
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PACU  
(Scope)

**TITLE: CO<sub>2</sub> MONITORING PROCEDURE**

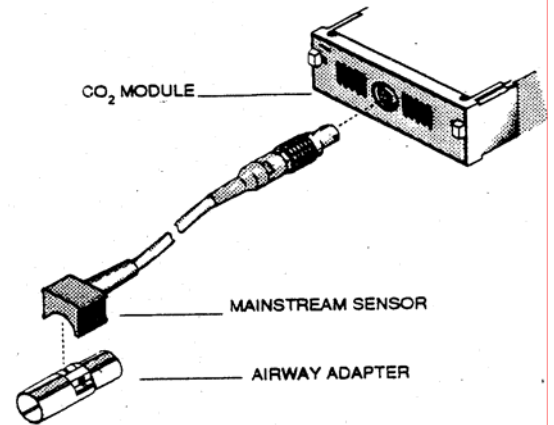
**PURPOSE:** End-tidal CO<sub>2</sub> monitoring is a continuous, noninvasive technique for determining the concentration of CO<sub>2</sub> in respiratory gas.

**EQUIPMENT LIST:**  
1. CO<sub>2</sub> module (Tram-Rac 3) stored on cabinet shelf in isolation room.  
2. Mainstream CO<sub>2</sub> Sensor stored in narcotic cabinet above narcotics.

**CONTENT:** PROCEDURE STEPS: KEY POINTS:

**CONNECTION:**

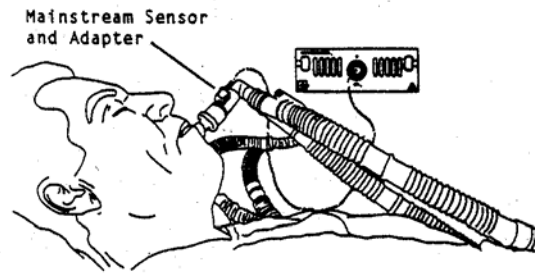
1. Remove Tram-Rac and securely insert in Tram-Rac 3.
2. Connect blue plug into Tram-net (using corresponding color).
3. Connect the mainstream sensor to the airway adapter by matching the grooved areas. The sensor fits over the windows of the airway adapter only one way.
4. Connect the mainstream sensor in series with the airway tube as close to the patient as possible.
5. Connect the large end of the airway adapter onto the patient tracheal or endotracheal tube with a pushing and twisting motion.
6. Connect the smaller end of the airway adapter onto the ventilator circuit tubing with a pushing and twisting motion.



7. See **CAUTIONS** under Key Points.

CAUTIONS:

1. Federal law restricts this device to sale by or on the order of a licensed physician.
2. Single-patient use only.
3. Replace every 24 hours or when occluded, whichever occurs first.
4. Turn Sensor **off** when not in use via the menu selection.
5. Always place in an upright position as shown below.



References: Mainstream CO<sub>2</sub> Sensor Instruction Sheet  
Marquette Electronics, 1992