SUBJECT:  Capnography (CO₂ monitoring).

PURPOSE:  Establish guidelines for the use of the Capnography in the Cardiac Catheterization Lab.

Procedure:

1. The following physiological parameters will be monitored continuously during the procedure:
   a. Oxygenation
   b. Ventilation and circulation to ensure the patient’s airway is appropriately managed.
      (Reference: Texas Board of Nursing Position Statement 15.8, The Role of the Nurse in Moderate Sedation

2. Equipment needed:
   a. Approved crash cart.
   b. Defibrillator
   c. Oxygen source, cannulas with CO₂ monitoring ability and masks
   d. Adequate suction, with catheters, Yankauer tips
   e. Ambu-bag and mask device with appropriate masks

3. Monitor needed:
   a. ECG monitor
   b. Blood Pressure monitor
   c. Pulse oximeter
   d. IV supplies
   e. etCO₂ monitor

4. For sedation monitoring required: The following physiological parameters of 'a' will be documented at least every 10 minutes during the procedure and every 15 minutes post procedure:
   a. Throughout pre and intra procedure period
      a. Heart rate and rhythm through continuous cardiac monitoring.
      b. Continuous O₂ saturation per pulse oximetry with appropriate alarms and volume.
      c. Blood pressure every 10 minutes
      d. etCO₂ with qualitative measurement
   b. During sedation, the following are continuously monitored and documented every 5 minutes:
      a. Oxygenation via continuous pulse oximetry
      b. Heart rate and rhythm (record representative strips)
      c. Ventilation, (head position),
      d. etCO₂ with qualitative measurement
      e. Establish etCO₂ Baseline level, if etCO₂ deviates greater than 20% from Baseline, the physician will be notified immediately.
      f. Circulation
      g. Level of consciousness

Reviewed:
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