

NATIONAL INSTITUTES OF HEALTH
WARREN GRANT MAGNUSON CLINICAL CENTER
NURSING DEPARTMENT

Standard of Practice: Care of Patients Undergoing Bronchoscopy

Background Information

- Bronchoscopies are performed in 3 areas of the CC: The Medical Intensive Care Unit (MICU) on 10 D, in the operating room, and in the Bronchoscopy Suite on the 7 West Patient Care Unit (7W)
- The procedures for patient care and preparation vary slightly between these care areas
- Utilize the sedation worksheet and guidelines from the CC Medical Administration Policy on Administration of Sedation

I. PRE -PROCEDURE

- A. Complete Pre- Procedure Checklist <http://www.cc.nih.gov/nursing/preprocklt.pdf>
- B. Assessment in Bronchoscopy Area (MICU, OR, or 7W)
 1. Verify completion of pre-procedure section of Sedation Worksheet
- C. Interventions
 1. Ensure emergency equipment is available in patient room:
 - a. Normal saline flush solution
 - b. Oxygen equipment
 - c. Suction equipment
 - d. Vital sign monitoring equipment
 - e. Emergency drugs
 - f. Antagonists eg. Narcan & Flumazenil
 - g. Basic code cart with intubation equipment
 - h. Defibrillator
 2. Administer oxygen as ordered
 3. Assure protective eye gear on patient

II. DURING PROCEDURE

- A. Assessment
 1. Record vital signs at least Q 5 minutes as required by Sedation Worksheet and Clinical Center Policy.
 2. Assess continuously until return to baseline post procedure:
 - a. Vital signs
 - b. Oxygen saturation via pulse oximetry
 - c. Quality of respirations and presence and quality of cough reflex
 - d. Patency of IV site
 - e. Level of consciousness/sedation
 - f. Patient's tolerance of procedure/anxiety level
- B. Interventions

1. Explain procedure to patient.
2. Notify physician if O₂ sat < 90 % and/or a 20% change in BP or HR from baseline occurs
3. Administer O₂ at no less than 2 L/min.
4. Remain with patient throughout entire procedure providing verbal and tactile reassurance.
5. Administer medications as ordered by credentialed conscious sedation provider.
6. Assist physician with obtaining specimens

III. POST PROCEDURE

A. Assessment

1. Assess patient continuously as required per clinical center policy until discharge criteria are met.
2. Complete post-procedure assessment prior to discharge from bronchoscopy room

B. Interventions

1. Notify physician if breath sounds changed from baseline
2. Maintain IV access
3. If tolerated, place patient in high Fowlers position immediately following procedure
4. Verify that specimens obtained are sent to appropriate labs.
5. Transport patient back to unit via W/C with IV, and oxygen as needed
6. Instruct patient to:
 - a. Cough and deep breathe frequently throughout the rest of the day
 - b. Call the nurse to assist getting OOB
 - c. Report any wheezing, dyspnea, or hemoptysis to nurse

C. Documentation in MIS or on an approved Medical Record form (ie. Conscious Sedation Worksheet)

1. Patient teaching
2. Assessments and interventions completed
3. Medications, IV fluids and oxygen delivered
4. Patient tolerance of procedure
5. Discharge instructions

IV. POST PROCEDURE UPON RETURN TO PATIENT CARE UNIT

A. Assess:

1. Vital signs as previously ordered
2. For complications including but not limited to: pneumothorax, hypoxia, infection, hemoptysis, fever, and dyspnea for 24 hours.

B. Interventions

1. Assist patient with ambulation.
2. For outpatients, discharge patients when post procedure assessment completed (see sedation worksheet)

REFERENCES:

1. CC Medical Administrative Series. Policy No. M92-9 (Rev 9/19/00): Administration Sedation.
2. CC Medical Administrative Series. Policy No. M93-8: (Rev. 10/4/2000) Use of Disposable Particulate Respirator Masks to Reduce Airborne Transmission of Infectious Organisms in the CC
3. CC Nursing Department Policy (5/2001): Particulate Respirator (PR) Masks and Patient Care Assignments.
4. Association of Operating Room Nurses, Inc.. (1995). Standards and Recommended Practices. Denver, CO., pp. 163 - 210.
5. CC Patient Information Publications: Bronchoscopy. 6/2001. http://www.cc.nih.gov/ccc/patient_education/pepubs/bronchoscopy.pdf

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