

Hosp No. :	HKID No.:
Case No. :	
Name :	
DOB :	M / F
Adm Date :	
Contact No. :	

Procedure Information Sheet – Bronchoscopy

1. Introduction

- 1.1. Bronchoscopy is a procedure using a flexible endoscope passing through the nose or mouth into the tracheo-bronchial tree. This direct visualization enables doctors to diagnose diseases, such as pneumonia, tuberculosis or lung cancer. Additional therapeutic procedures could also be performed at the same time, such as control of bleeding, sampling lung fluid or biopsy, retrieval brushing of lung tissue, removal of foreign body and clear up of sputum.
- 1.2. There are various reasons for having a bronchoscopy
 - 1.2.1. Persistent cough
 - 1.2.2. Blood stained sputum
 - 1.2.3. Abnormal shadow in Chest Radiography or Computerized Tomography
 - 1.2.4. Aspiration pneumonia
 - 1.2.5. Removal of foreign bodies or obstructive secretion
 - 1.2.6. No improvement after respiratory medication treatment or other respiratory medical problem

2. Procedural Preparation

- 2.1. A written consent is required.
- 2.2. Continue inhalational therapy for patient suffering from chronic airway diseases.
- 2.3. No food nor drink for at least 4 to 6 hours prior to bronchoscopy.
- 2.4. Remove dentures, spectacles, contact lens, metallic accessory before the procedure.
- 2.5. Please inform doctor for the followings:
 - 2.5.1. Drug allergy
 - 2.5.2. Drug history, especially for antiplatelet and anticoagulant, such as NSAID, Warfarin...etc.
 - 2.5.3. Diabetes mellitus, hypertension, cardiac or pulmonary disease
 - 2.5.4. Pregnancy

3. Procedure

- 3.1. Prior to the procedure, depending on the condition of individual, intravenous sedation or monitored anaesthetic care may be given to the patient to alleviate anxiety and discomfort that may arise.
- 3.2. Local analgesic agent maybe sprayed into the nose and the throat.
- 3.3. Supplemental oxygen therapy may be required.
- 3.4. The vital signs will be closely monitored throughout the whole procedure.
- 3.5. The endoscope is lubricated and inserted into the airway via the nose, the mouth or tracheostomy. Further local analgesic agent or medication may be given if necessary.
- 3.6. Bronchial lavage and biopsy may be taken.
- 3.7. Irritation resulting in coughing and shortness of breath might be experienced during the procedure or shortly after the procedure.
- 3.8. The procedure may last about 15 to 30 minutes.
- 3.9. Doctor will perform haemostasis procedure or biopsy taking if required.

4. Possible Risks and Complications

- 4.1. The procedure is relatively safe and complication is rare and easy to manage:
 - 4.1.1. Allergic drug reaction
 - 4.1.2. Hoarseness of voice
 - 4.1.3. Bleeding may occur after examination or taking lung biopsy, e.g. blood from the nostril or blood in sputum may appear
 - 4.1.4. Pneumothorax may be occurred during the procedure or after taking lung biopsy. This condition usually settles on its own, but sometimes tube insertion into the chest may be required for drainage.

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4.1.5. Respiratory difficulties after bronchoscopy may require oxygen therapy or very rarely, ventilatory support.

4.1.6. Fever and pneumonia may rarely occur.

5. Post-procedural information

- 5.1. As the effect of local anaesthetic will persist for about an hour, patient should remain fasted until anaesthesia has worn off. This prevents choking with food or fluid intake.
- 5.2. If the patient has received sedation, patient should avoid operating heavy machinery or driving for the rest of the day to prevent an accident. Also he/she should avoid signing any legal document.
- 5.3. The patient may contact the Endoscopy Centre during office hours for any discomfort after the procedure, or any question about the examination result and drug treatment.
- 5.4. However, if patient has the following conditions such as passage of large amount of blood, severe abdominal pain, or fever, he/she should seek medical advice at the nearest Accident and Emergency Department.

6. Reference

- 6.1. Hospital Authority. Smart Patient Website.
- 6.2. Nursing Health Service Foundation Trust, University Hospital Southampton (2015). Bronchoscopy: Information for patients.

I acknowledged the above information concerning the operation or procedure. I have also been given the opportunity to ask questions and received adequate explanations concerning the condition and treatment plan.

Patient/ Relative Signature: _____

Patient/ Relative Name: _____

Date: _____

