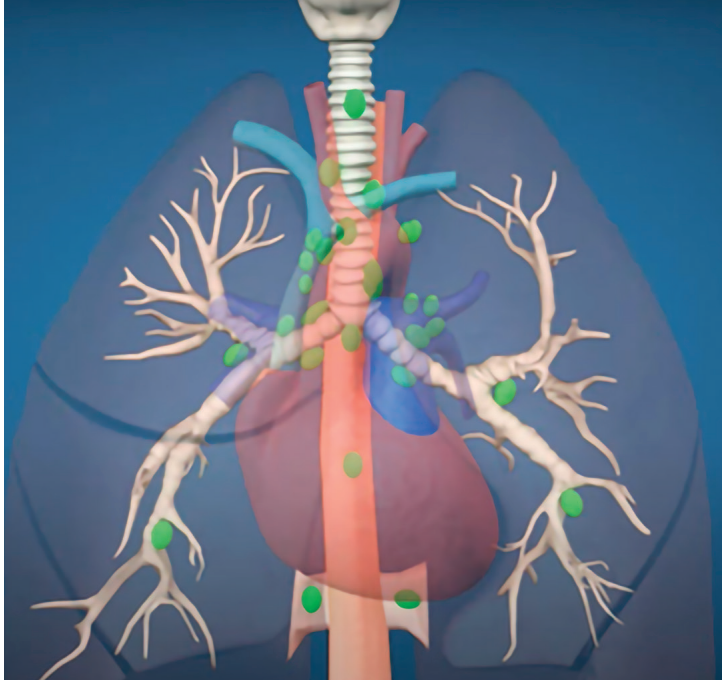


# Understanding Endobronchial Ultrasound (EBUS) Procedures



PULMONARY  
ASSOCIATES<sup>SM</sup>





## What to expect

**Preparation.** EBUS bronchoscopy is an outpatient procedure, which means you can usually go home the same day. You will need to have someone drive you home after the procedure.

There are other things you may need to do to prepare for the procedure. Be sure to talk with your doctor and follow their direction.

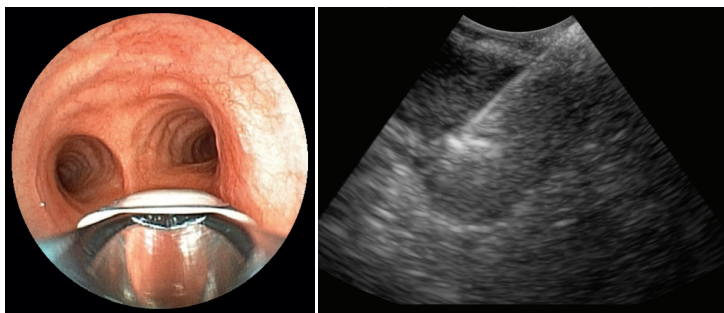
**Procedure.** On the day of your procedure, you will receive intravenous (IV) medication to make you comfortable during the procedure. Sometimes, these medications will put you completely to sleep. When you're comfortable or asleep, the pulmonologist will put the camera into your mouth to begin the EBUS bronchoscopy procedure.

# What is an EBUS procedure?

Endobronchial Ultrasound (EBUS) is a safe, effective procedure used to diagnose various kinds of lung problems. At Pulmonary Associates, we have highly trained pulmonologists who are experienced in, and routinely perform, EBUS bronchoscopy procedures.

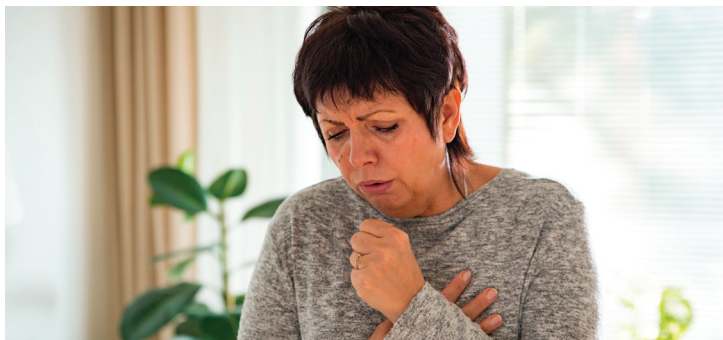
To perform the procedure, your pulmonologist places a flexible tube into your mouth, which then goes into your windpipe and lungs. At the end of the tube is a small video camera that allows them to clearly see your airways. Also at the end of the tube is a small ultrasound probe. Your pulmonologist uses ultrasound to see structures just beside the airways, but not visible to the camera.

Your pulmonologist will use the camera and ultrasound to help locate and examine places in and around your lung that need a closer look based on x-rays or scans that were previously taken. Based on what they see during the procedure, they may also take samples of tissue using a small needle that need further evaluation.



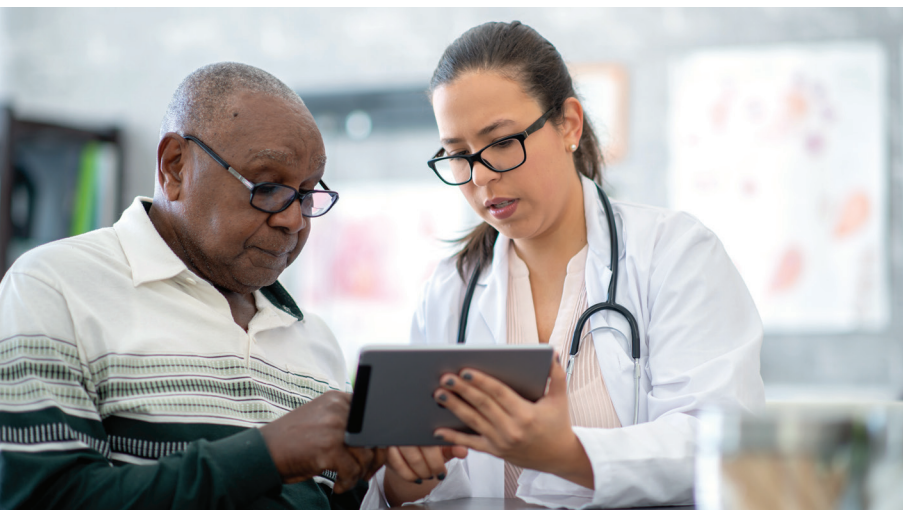
Here are examples of the clear views your pulmonologist has during an EBUS procedure. At left, the pulmonologist uses a small video camera to see inside the lungs. At right, an ultrasound probe is used to see structures just outside the airways.

**After the procedure.** Once the procedure is completed, you will spend some time recovering from the sedating medications before being cleared to go home. Afterward, you may have a mild cough and a sore throat, but they will typically go away in a day.



## Understanding the results

The pulmonologist will send samples from your EBUS bronchoscopy to a lab, which will look at them to determine the diagnosis. A lab typically takes 3 to 5 days to send the results back to the pulmonologist. The pulmonologist's office will call you or have you come into the office to talk about the results and any follow-up.



# What are the risks?

EBUS bronchoscopy is safe, but there is a small chance of complications. They may include:

- Some bleeding
- Infection after EBUS
- Oxygen levels becoming low during or after EBUS
- Collapsed lung

All these problems can be fixed, but you may have to stay in the hospital overnight rather than going home the same day. It is important to tell your pulmonologist if you have ever had trouble with anesthesia or sedation medications.

## Resources

Making notes and writing down a list of questions before your visit, and taking along a trusted family member or friend, can help you through the first appointment with the pulmonologist. For more information, call or go online:

**The American Lung Association.** To talk with a trained lung professional, call the American Lung Association's Lung Helpline at 1-800-LUNGUSA. They can help answer your questions and connect you with additional support. Visit online at <https://www.lung.org>.

**CHEST Foundation.** For online patient information about EBUS procedures visit <https://foundation.chestnet.org>.



*This patient education brochure was developed through  
a partnership between:*



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Value from Innovation

Pulmonary Associates and USA Health choose Fujifilm pulmonary and endoscopic technology to support their practice because of Fujifilm's 85+ years of experience developing innovative imaging technology that can be used for a wide range of clinical settings, and their industry-proven service and support. With Fujifilm, you can be confident your providers are using state-of-the-art technology in delivering your care.

*Information in this brochure was sourced from the  
American Lung Association and the CHEST Foundation.*