

You've been told you have a spot on your lung. Or a lung nodule. Or a lung mass.

You have many questions but first you need a lung biopsy.

### **What is a lung biopsy?**

Physicians need to take a tissue sample or biopsy in order to make an accurate diagnosis.

It may sound scary but finding spots on your lung when they are small may have advantages. There is research that shows most small lung spots turn out not to be cancer and could be an infection or scar tissue from a previous infection.

### **How does the doctor get the lung biopsy?**

Traditionally doctors used a procedure called bronchoscopy where a thick but flexible tube called a bronchoscope is used to examine the inside of the air passages and take a small tissue sample for analysis. Standard bronchoscopies only allow doctors to reach spots that are close to the main airways.

Today, the superDimension™ navigation system is used to perform UMC's Electromagnetic Navigation Bronchoscopy™ (ENB™) procedures that can access distant regions of the lung. The system aids in early diagnosis and can help your physician plan your treatment.

### **How does a UMC ENB™ procedure differ from traditional bronchoscopy?**

Traditional bronchoscopy typically allows access only to the center regions of the lung. [HOSPITAL] now uses the superDimension™ navigation system and its specialized LungGPS™ technology, which enables our physicians to navigate to the outer areas of the lung during a UMC ENB™ procedure.

### **Is this a new procedure? Is it safe?**

More than 50,000 people have had an ENB™ procedure at one of the leading medical centers worldwide that use the superDimension™ navigation system. The superDimension™ system may enhance the patient experience with lower procedural complications than conventional diagnostic procedures.

### **Where does the procedure take place?**

The procedure is performed as an outpatient procedure at UMC's Ambulatory Surgical Center.

### **How long does it take?**

A UMC ENB™ procedure usually takes between 30 minutes and one hour.

### **What can I expect during this procedure?**

During UMC's ENB™ procedure, you will be sedated and our physician will insert a bronchoscope through your mouth or nose into your lungs. Once the tube is in place, our physician will insert specially designed tools to take a biopsy for testing. In some cases, small markers, about the size of a grain of rice, may be placed near the lung nodule to help guide a physician delivering follow-up treatment or therapy.

### **What can I expect after the procedure?**

Your result may be available immediately after your procedure for your Pulmonologist to review with you.



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