

Endoscopy Mucosal Integrity Analysis (MiVu) and Esophageal Motility Study (Manometry) Website Information

Mucosal Integrity Analysis (MiVu)-

A. What is Mucosal Integrity Analysis (MiVu)?

A Mucosal Integrity Acquisition and Analysis Study, or MiVu, is a procedure used to aid in the diagnoses of GERD, eosinophilic esophagitis (EoE), and Non-GERD. It can also be used to monitor treatment response for patients with GERD and EoE. This diagnostic test is performed at the same time as an upper endoscopy or EGD, only adding 5 minutes to your overall procedure time. An EGD is a nonsurgical procedure used to examine a person's digestive tract. A flexible scope with a light source and video camera is passed down your esophagus so your doctor can view your digestive tract on a color TV monitor in real time. The MiVu Balloon Probe incorporates sensors along a 10 cm segment of the esophagus to measure esophageal mucosal integrity. Your physician is then able to use the real time data from this procedure to confirm your diagnosis and treatment plan.

B. Why do I need the Mucosal Integrity Analysis (MiVu)?

The Mucosal Integrity Analysis is used to identify and diagnose GERD, eosinophilic esophagitis (EoE), and Non-GERD and to monitor treatment response in GERD and EoE.

C. How Do I Prepare for the Mucosal Integrity Analysis (MiVu)?

Do not eat or drink anything 6-8 hours prior to the procedure.

D. Sedation

During the procedure a sedative is given, this increases the comfort of the individual undergoing the examination. The sedative is given through an IV and allows for relaxation and light sleep. There are usually few if any recollections of the procedure, and patients wake up within an hour. But the effects of the medication can last for hours so it is not safe to drive until the next day, so a responsible person is needed to drive you home.

E. Is the Mucosal Integrity Analysis (MiVu) Safe?

Overall, the Mucosal Integrity Analysis is very safe; however, the procedure does have a few but rare potential complications, which may include, but not limited to:

- Cardiorespiratory Arrest
- Bleeding
- Infection
- Perforation
- Sore Throat
- Aspiration

F. Who Performs Mucosal Integrity Analysis (MiVu)?

Gastroenterology specialists (gastroenterologists) will perform the endoscopy procedures, with the assistance of specialty-trained nurses and technicians.

Endoscopy Mucosal Integrity Analysis (MiVu) and Esophageal Motility Study (Manometry) Website Information

Esophageal Motility Study (Manometry)-

A. What is Esophageal Motility Study (Manometry)?

An Esophageal Motility Study (Manometry) is a diagnostic test that will evaluate the function of your esophagus. The esophagus is a muscular hollow tube that transports food from your mouth to your stomach. When you undergo an Esophageal Motility Study, the pressure along the length of your esophagus will be measured. The pattern in which your esophagus contracts to push food into the stomach will also be measured. Your doctor will use these measurements to determine the best plan for you.

B. Why do I need Esophageal Motility Study (Manometry)?

The study is performed to help identify causes for various symptoms such as difficulty swallowing and/or chest pain. It is also performed before certain medical procedures such as anti-reflux surgery.

C. How Do I Prepare for Esophageal Motility Study (Manometry)?

- Do not eat or drink for 6 hours prior to your procedure.
- Ask your healthcare provider about medications you may need to stop prior to the procedure. This is especially important if you are taking medications for reflux, diabetes, or blood thinners.
 - Taking medications such as aspirin and ibuprofen can thin your blood. Do not take these medications unless your health care provider tells you to take them.
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D. Is the Esophageal Motility Study (Manometry) Safe?

Overall, an esophageal motility study is very safe; however, the procedure does have a few but rare potential complications, which may include, but not limited to:

- Sore Throat
- Nosebleed
- Aspiration
- Vagal Stimulation (Faintness, Dizziness, Syncope)
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E. Who Performs the Esophageal Motility Study (Manometry)?

A nurse with specialty-training in Manometry and Motility procedures will perform your procedure for the ordering provider.