

**MANOSCAN™ ESO**  
ESOPHAGEAL  
FUNCTION  
TESTING



**Medtronic**  
Further. Together

# WHAT IS ESOPHAGEAL MANOMETRY?



Esophageal manometry is a test used to assess pressure and motor function of the esophagus (food pipe). In addition, it aids in the evaluation of how well the muscles in the esophagus work to transport liquids or food from your mouth into your stomach.

Esophageal manometry may be performed to evaluate the causes of gastric reflux, heartburn, difficulty swallowing, and functional chest pain. In addition, this test may be used in preoperative evaluation if you are being considered for anti-reflux surgery or to ensure proper placement of pH probes in other diagnostic tests.



# HOW IT WORKS



The study will be performed by a doctor, nurse, or technician and only takes about 10 minutes. Generally, you will be in a comfortable, semi-reclining or reclining position. Your nose and throat may be numbed with a spray or gel. This will minimize any discomfort associated with the placement of the small catheter through your nose and into your stomach. During this time, you will be able to breathe, swallow, and talk with ease.

During the study you will be asked to take deep breaths or swallow a number of times. The pressures resulting from these actions will be detected and recorded by tiny sensors located on the catheter. The recording will then be transferred to a report for review and interpretation by your doctor.



# PREPARATION FOR THE PROCEDURE



## FOOD AND DRINK

Please refrain from eating and drinking after midnight before your test.

## MEDICATIONS

Prior to your test, you should consult with your physician regarding the prescribed medications you take.

Some medications can affect the muscles of your esophagus and alter the results of your study. These medications include pain medications, sedatives, tranquilizers, antispasmodics, and promotility medications.

Some medications will not affect the procedure and may be continued as per your doctor's instructions. This includes medications for the following conditions: heart disease, high blood pressure, and diabetes.

**It is important that you consult with your physician regarding all the medications you are taking prior to your procedure.**

Your physician should obtain your medical history prior to your test and can answer any other questions or concerns you may have at that time.



# AFTER THE STUDY



You may resume your normal daily activities, diet, and medications following your test. Since there is no sedation required you may drive yourself home after the procedure. If you experience a sore throat, taking lozenges or gargling with salt water may alleviate your discomfort. Please schedule a follow-up visit with your physician to discuss the results of the study. Contact your physician with any unusual symptoms or side effects.

**This brochure is supplemental to the advice, care, and instruction of your physician. This material is for informational purposes only and is designed to be delivered by the treating or consulting physician in conjunction with usual and appropriate instructions and explanations regarding the procedures referenced herein.**

## INSTRUCTIONS FROM PHYSICIAN OR NURSE:

## FOR ADDITIONAL INFORMATION CALL:

## RISK STATEMENT

Be sure to discuss the potential risks, contraindications, complications, and benefits of ManoScan™ ESO with your physician. Only your physician can determine whether you are a suitable candidate for this procedure.

The risks of catheter insertion into the nasal passage associated with ManoScan™ ESO high resolution manometry include discomfort, nasal pain, minor bleeding, runny nose, throat discomfort, irregular heartbeat with dizziness, and perforation. In rare instances, the catheter may shift up or down causing false results, or the catheter may be misdirected into the trachea causing coughing or choking. Medical, endoscopic, or surgical intervention may be necessary to address any of these complications, should they occur. The system is not compatible for use in an MRI magnetic field. Please consult your physician or refer to [medtronic.com](http://medtronic.com)\* for detailed information.

# Medtronic

[medtronic.com](http://medtronic.com)\*

\*This is a global website. It is not specific to Canada.

Claims made throughout this brochure are based on clinical trials.

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