

Multi channel intraluminal impedance (MII) manometry is a technique for evaluation of esophageal motility and function. It can give similar information to that of a Barium swallow which has potentially harmful exposure to radiation.



Indications for MII-manometry are:

- Evaluation before surgery for reflux disease
- Evaluation of patients with atypical chest pain
- Evaluation of patients with swallowing problems
- Patients with complicated gastro-esophageal reflux disease (GERD)
- Evaluation of patients with respiratory diseases induced by reflux
- Evaluation of reflux-related symptoms and diseases in pediatric patients

The procedure can take up to 45min. A catheter is placed through a nostril and positioned in the esophagus. The patient is asked to give 10 swallows each after ingestion of saline and 10 swallows of a viscous substance. The motility and function of the esophagus is evaluated.

Multi channel intraluminal impedance (MII) pH is used to evaluate patients with atypical (complicated) GERD symptoms and refractory GERD (diseases resulting from gastro-oesophageal reflux disease).

The procedure is performed over a 24 hour period.

A thin catheter is placed through a nostril and positioned 5cm above the lower esophageal sphincter (LES) in the esophagus.

It is connected to a monitor that will document all reflux episodes.

The patient also documents his or her symptoms over this period.

Abnormal esophageal acid exposure, all reflux episodes and symptom association can therefore be evaluated.

In so doing a GERD patient can be correctly assessed for a true negative or positive study.

The procedures are performed on an out patient basis.

The practice of pH- and Manometry Impedance is run as part of a multi-disciplinary practice involving a Gastroenterologist, General surgeons, ENT surgeons and Paediatricians.

This practice is the leading practice in South Africa with experience in this field and has presented numerous abstracts at local and international conferences.

Our aim is to give you, the patient, the highest degree of expertise available in this field.