

ONE PORTFOLIO
OF PRODUCTS,
ONE STEP CLOSER
TO TREATMENT



Provide proactive GI care
with our comprehensive
functional diagnostic
solutions.

Medtronic
Further, Together

COMPLETE SOLUTIONS FOR YOUR PATIENTS

The Medtronic portfolio provides impactful technologies for complete GI tract assessment, including manometry, reflux and motility evaluation. We offer the most comprehensive range of solutions available, supporting healthcare professionals as they work towards early detection of GI disorders.

Medtronic is committed to partnership in the GI community and providing resources to help physicians and hospital staff deepen their expertise. As we pursue the shared objective of better patient outcomes, we can move GI care further, together.

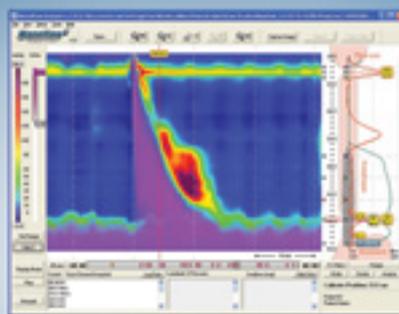
UPPER GI

Patient History:
Swallowing Disorders
Function Evaluation
Pre-Anti-Reflux Surgery

Possible Diseases:
Reflux and Barrett's Esophagus
Functional Disorders

Patient History:
PPI Non-Responder
Clear EGD
Heartburn
Regurgitation

Possible Diseases:
Reflux and Barrett's Esophagus



ManoScan™ ESO High-Resolution Manometry

- The most advanced solution for diagnosing functional disorders of the esophagus
- Offers significant advantages over conventional manometry, including real time visualization and proprietary software for easy analysis
- Typical studies are completed in 10 minutes or less and require minimal specialized training
- Modular, expandable platform includes high-resolution manometry with impedance (shown) and ESO 3D

Bravo™ Reflux Testing System

- Capsule-based pH testing for up to 96 hours, provides improved diagnostic yield compared to catheter-based tests
- 96% of patients prefer the Bravo™ reflux testing system to catheter-based tests¹
- Better reflects normal physiologic conditions because patients maintain regular diet and activities
- Enhances comfort and convenience and helps eliminate barriers to care like social embarrassment
- **AccuView™ reflux software**

LOWER GI

Patient History:
PPI Non-Responder Belch
Negative pH Study Cough
Voice Disorders Clear EGD
Pediatric Reflux Regurgitation

Possible Diseases:
Reflux and Barrett's Esophagus

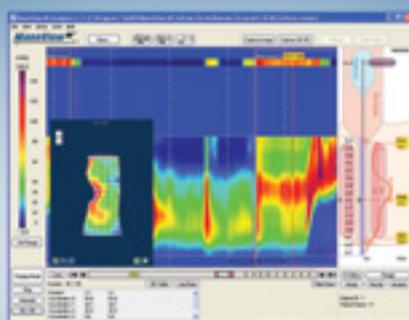
Patient History:
Constipation
Anal Incontinence
Pre-Surgery Evaluation

Possible Disease:
Functional Disorders

UPPER/LOWER GI

Patient History:
Delayed Gastric Emptying
Unexplained GI Symptoms
Chronic Constipation

Possible Disease:
Functional Disorders



Digitrapper™ pH and Impedance Testing System

- Catheter-based pH-Z test uses a combination of pH and impedance sensors for the identification of reflux events at multiple locations
- Helps determine cause of symptoms in a timely manner
- Helps determine whether PPI therapy should be continued and/or discontinued in favor of another intervention strategy
- pH only catheters also available
- **AccuView™ reflux software**

ManoScan™ AR High-Resolution Manometry

- Advanced algorithms for automatic analysis
- Only catheter available with disposable sheath (with balloon)
- Continuous sensing eliminates need for repositioning of probe
- Upgradeable to 3D technology (shown)

SmartPill™ Motility Testing System

- Capsule-based motility test provides complete GI tract motility profile with one test, replacing Gastric Emptying Scintigraphy (GES) and Radio Opaque Markers/ Sitzmarks® (ROM) studies
- Helps direct therapy by localizing disease
- Perform procedure in your office
- Radiation-free

ALL THE TESTS YOU NEED IN ONE MODULAR WORKSTATION

Join Medtronic in advancing the development of meaningful innovations in reflux and GI functional diagnostic care.

Contact your Medtronic representative for more information, or visit givenimaging.com



Caution: Federal law restricts this device to sale by or on the order of a licensed healthcare practitioner. Rx only.

Important Information: The risks of catheter insertion into the nasal passage associated with ManoScan™ high-resolution esophageal manometry include discomfort, nasal pain, minor bleeding, runny nose, throat discomfort, irregular heartbeat with dizziness and perforation. In rare instances, the catheter may be misdirected into the trachea causing coughing or choking, or the catheter may shift up or down causing false results.

The risks of the Bravo™ reflux testing system include: premature detachment, discomfort, failure to detach, failure to attach, capsule aspiration, capsule retention, tears in the mucosa, bleeding and perforation. Endoscopic placement may present additional risks. Because the capsule contains a small magnet, patients should not have an MRI study within 30 days of undergoing Bravo™ reflux testing.

The risks of catheter insertion into the nasal passage associated with the Digitrapper™ pH-Z and impedance testing system include discomfort, nasal pain, minor bleeding, runny nose, throat discomfort, irregular heartbeat with dizziness and perforation. In rare cases, the catheter may shift up or down causing false results, or the catheter may be misdirected into the trachea causing coughing or choking.

The risks of ManoScan™ high-resolution anorectal manometry include perforation or bleeding of the intestinal wall. Patients with previous rectal surgery, bowel inflammation or bowel obstruction may have a higher risk for iatrogenic bowel perforation.

Before administering the SmartPill™ capsule, rule out physiological and/or mechanical GI obstruction as a cause of patient symptoms. Significant data dropout can occur in severely obese patients (>40 BMI). Do not perform an MRI until capsule passage is confirmed by physician review of the MotiliGI™ graph or an x-ray of the kidneys, ureter and bladder (KUB). The risks of the SmartPill™ motility testing system include capsule retention or aspiration. If the SmartPill™ capsule is in the body during an MRI test, there is a risk of damage to the GI tract.

Medical, endoscopic or surgical intervention may be necessary to address any of these complications, should they occur. These systems are not compatible for use in an MRI magnetic field. Please refer to the respective product user manual or givenimaging.com for detailed information.

Reference: 1. Pandolfino JE, et al. Ambulatory esophageal pH monitoring using a wireless system. *Am J Gastroenterol.* 2003;98(4):740-749.

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