OUR EVIDENCE. YOUR EXPERTISE.

SmartPill®: The data you need to evaluate motility disorders.

Gastric emptying time
Small bowel transit time
Colonic transit time
Whole gut transit time
Antral and duodenal pressures
Motility indices
### Evaluate unexplained symptoms with one test.

Functional gastrointestinal (GI) symptoms are common in the general population with a reported prevalence of 25-40%, accounting for up to 40% of GI office consultations. Often, patients presenting with functional GI symptoms have evidence of a diffuse GI motility disorder.\(^1\) Upper and lower gut symptoms often overlap, therefore localizing transit abnormalities to a specific GI region is important in diagnostic evaluation and should be done early in the process to guide appropriate therapy.\(^2\)

Constipation, one of the most common functional GI disorders, affects 12-19% of the population. Consequently, in 2001 U.S. constipation-related healthcare costs averaged approximately $235 million, with a mean annual cost of $7,522 per patient.\(^3\)

The SmartPill Motility Procedure – the latest advance in GI tract evaluation – can help. SmartPill collects data from the entire GI tract and provides the necessary information to thoroughly evaluate your patients. With SmartPill you retain patient control and expand your practice capabilities, eliminating the dependency on radiology.

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### SmartPill benefits your practice:
- **Convenient** – performed right in your office
- **Test standardization**
- **Provides direct access to GI motility data**

### SmartPill benefits your patients:
- **More comfortable than existing diagnostic tests**
- **Well-tolerated – eliminates radiation exposure**
- **Ambulatory – performed under real-life conditions**

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**Evaluate unexplained symptoms with one test.**

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**INDICATIONS FOR USE:**

The SmartPill GI Monitoring System measures whole gut and regional gut (stomach, small bowel, and colon) transit times. Measurements of gastrointestinal transit times are used for evaluating motility disorders.

Gastric transit time (gastric emptying time, GET) is indicated for the evaluation of patients with suspected gastroparesis. Delayed gastric emptying is implicated in such disorders as idiopathic and diabetic gastroparesis and functional non-ulcer dyspepsia.

Colonic transit time (CTT) is indicated for the evaluation of colonic transit in patients with chronic constipation and used to aid in differentiating slow and normal transit constipation.

Combined small and large bowel transit time (SLBTT) is used as a surrogate measure of colonic transit in patients with chronic constipation when colonic transit time alone cannot be determined.

The System measures pH, pressure, and temperature throughout the GI tract. Pressure contraction data from the antrum and duodenum can be used to calculate motility indices.

Not for use in pediatric patients.
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Advanced analysis with MotiliGI™ software.

MotiliGI™ is a proprietary software program that calculates regional transit times in the gastrointestinal tract. MotiliGI™:
- Guides test start-up
- Downloads data from the Data Receiver within minutes
- Guides test analysis
- Generates graphical and text reports

SmartPill is a single-use, ingestible Capsule that measures pressure, pH and temperature throughout the entire GI tract.

Once a patient ingests SmartPill, the Capsule travels the GI tract by peristalsis, transmitting data continuously for five days or more to a Data Receiver worn by the patient. The SmartPill Capsule is typically passed within a few days.

SmartPill MotiliGI™ software is used to analyze the data, indicating results such as:
- Gastric emptying time
- Small bowel transit time
- Colon transit time
- Whole gut transit time
- Antral and duodenal pressures
- Motility indices

Results are used for the evaluation of gastroparesis and chronic constipation.

SmartPill monitors temperature to determine Capsule ingestion and passage from the body.

SmartPill pH sensor measures changes in pH in all phases, identifying physiological landmarks, calculating regional transit times.

MotiliGI™ uses pressure data to evaluate motility indices for both the antrum and duodenum.

SmartPill’s MotiliGI™ data from a patient with delayed gastric emptying, normal small bowel transit and slow colonic transit.

DIARRHEA
- Constipation
- Hard stools
- Incomplete evacuation
- Chronic constipation

FUNCTIONAL DYSPEPSIA
- Postprandial fullness
- Epigastri burnings
- Nausea
- Early satiety
- Vomiting

ABDOMINAL PAIN
- Stomach
- Small bowel
- Colonic

STOMACH SPASMS
- Weight loss

CONSULTATION
- The physician reviews the test results with the patient.

INTERPRETATION
- The physician analyzes and interprets the test data.

DAY 1-5
- The wireless Data Receiver is removed during bathing and sleeping.

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How SmartPill works:

Day 1-5
- The patient returns the Data Receiver to the physician and the test data is downloaded in just minutes.

DAY 1
- The patient ingests the SmartPill Capsule in the physician’s office.

Day 1-5
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INTERPRETATION
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CONSULTATION
- The physician reviews the test results with the patient.

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- The patient returns the Data Receiver to the physician and the test data is downloaded in just minutes.

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- The physician reviews the test results with the patient.
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• Whole gut transit time
• Antral and duodenal pressures
• Motility indices

Results are used for the evaluation of gastroparesis and chronic constipation.

How SmartPill works:

Day 1
While wearing the wireless data receiver, the patient leaves the physician’s office and resumes a normal schedule.

Day 1-5
The wireless Data Receiver is removed during bathing and sleeping.

Consultation
The physician reviews the test results with the patient.

Interpretation
The physician analyzes and interprets the test data.

Day 3-5
The patient returns the Data Receiver, and the test data is downloaded in just minutes.

Day 1
The physician reviews the SmartPill Capsule in the physician’s office.

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Get the evidence you need today.

For more information on SmartPill® – go to www.smartpillcorp.com
or call 1.800.644.4162