DETECT EARLY AND EASILY

SmartPill™ Motility Testing System
Evaluate the entire GI tract with a single test
EVALUATE UNEXPLAINED GI SYMPTOMS WITH ONE TEST

Over 30 million people in the US suffer from gastrointestinal (GI) functional disorders such as fecal incontinence, gastroparesis and chronic constipation.¹⁻⁴ This can pose diagnostic challenges.

- Often, patients presenting with functional GI symptoms have evidence of diffuse GI motility disorders⁵
- Upper and lower GI symptoms frequently overlap
- Signs of gastroparesis and chronic constipation are often confused with symptoms from conditions such as IBS and functional dyspepsia

For this reason, **localizing transit abnormalities to a specific GI region is important in the diagnostic evaluation** and should be done early in the process to guide appropriate therapy.⁶

**The SmartPill™ motility testing system can help.** The system features an ingestible SmartPill™ motility capsule that measures pressure, pH, transit time and temperature as it passes through the entire GI tract. While the SmartPill™ motility testing system is not indicated for the diagnosis of IBS or functional dyspepsia, it can help rule out other conditions.

**Benefits your patients:**

- Improves comfort vs. existing diagnostic tests
- No radiation exposure
- Minimizes patient down-time
- Can improve patient symptoms by providing direction for therapy⁷⁻⁹
Example of easy-to-interpret MotiliGI™ software summary report showing delayed colonic transit time.

Benefits your practice:

- The only motility test that provides a **complete transit profile of the GI tract**
- Sensor-based capsule eliminates the need for multiple tests
- **Localizes abnormalities to specific regions of the GI tract** in the presence of overlapping motility symptoms
- Standardizes the motility testing process with benchmarked results

The SmartPill™ motility testing system uses MotiliGI™ software to display and analyze the data, providing **test results in both graphical and report formats**. This system **provides valuable diagnostic information** including:

- Gastric emptying time
- Small bowel transit time
- Colonic transit time
- Whole gut transit time
- Pressure patterns from the antrum and duodenum

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

A unique way to assess motility:

- The SmartPill™ motility testing system collects and analyzes data from within the entire GI tract
- The SmartPill™ meal bar standardizes the procedure
- The SmartPill™ motility capsule is an ingestible capsule that measures pressure, pH and temperature
- User downloads patient data from the recorder within minutes
- Test Analysis Wizard in MotiliGI™ software guides user through the data analysis

<table>
<thead>
<tr>
<th>Test</th>
<th>Physician-Confirmed (hr:min)</th>
<th>Computed (hr:min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gastric Emptying Time</td>
<td>3:13</td>
<td>3:14</td>
</tr>
<tr>
<td>Small Bowel Transit Time</td>
<td>5:01</td>
<td>5:02</td>
</tr>
<tr>
<td>Colonic Transit Time</td>
<td>70:53</td>
<td>70:54</td>
</tr>
<tr>
<td>Small/Large Bowel Transit Time</td>
<td>75:55</td>
<td>75:56</td>
</tr>
<tr>
<td>Whole Gut Transit Time</td>
<td>79:08</td>
<td>79:11</td>
</tr>
</tbody>
</table>

Example of easy-to-interact MotiliGI™ software summary report showing delayed colonic transit time.
Caution: Federal law restricts this device to sale by or on the order of a licensed healthcare practitioner. Rx only.

Risk Information: Before administering the SmartPill™ motility capsule, rule out physiological/mechanical GI obstruction as a cause of patient symptoms. Do not perform a Magnetic Resonance Imaging (MRI) until capsule passage is confirmed by physician review of the MotiliGI™ graph or an x-ray of the kidneys, ureter and bladder [KUB]. If the SmartPill™ motility capsule is in the body during an MRI test, there is a risk of damage to the GI tract. Significant data dropout can occur in severely obese patients (>40 BMI). The risks of the SmartPill™ motility capsule include capsule retention and aspiration. Please refer to the product user manual or medtronic.com/gi for detailed information.

References: