Research is an integral part of Health Care.

Indiana University GI Motility and Neurogastroenterology Unit is conducting various clinical trials to help the community and to advance the understanding of GI Motility disorders.

Help get GI Motility and Neurogastroenterology Research on the run!

Motility Research
http://medicine.iupui.edu/gimot/studies/research/clinical

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**Current Research for Patients**

**Eosinophilic Esophagitis**
- Anti-IL 13 antibody induction and maintenance therapy for adolescents & adults

**Gastroparesis**
- Utilization of SmartPill wireless capsule and gastric emptying scan
- Escalating temporary gastric electrical stimulation (GES) for severe gastroparesis
- Domperidone therapy
- Nasal metoclopramide spray therapy
- Non-invasive vagal nerve testing to monitor effects of GES
- Oral motilin receptor agonist
- *Velusetrag therapy, a serotonin (5-HT4) agonist

**Small Intestinal Bacterial Overgrowth**
- Risk factors for coliform bacteria overgrowth in small bowel

**Others**
- GI neuromuscular registry
- New esophageal stent
- *Short Bowel Syndrome

**Coming soon**

**Translational Research**

- Functional neuroimaging of the brain-gut axis in functional GI disorders
- 16S rRNA PCR and sequencing of small bowel microbiome
- Smooth muscle cell signaling pathway in patients with gastroparesis and small bowel dysmotility
- Differential vagal afferent effects of GES in an animal model
- Non-invasive vagal nerve testing to monitor effects of GES

**Research Team**

**GI Physicians**
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- William Kessler
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- Robert Siwiec
- Joel Wittles
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**Research Staff**
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**GI Motility and Neurogastroenterology**

**Actinomyces**
**Atopobium**
**Bacteroides**
**Clostridium**
**Fusobacterium**
**Gemella**
**Granulicatella**
**Lactobacillus**
**Megasphaera**
**Prevotella**