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/GAST/programs/motility-center/

550 North University Blvd
UH 1634
Indianapolis, IN 46202
317-948-9227
anigupta@iu.edu
mw39@iu.edu

GI Motility and Neurogastroenterology RESEARCH
Current Research for Patients

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

**Irritable Bowel Syndrome**
- Dietary therapy (low FOPMAP diet)
- *Effects of Rifaximin on Brain-Gut-Microbiome Axis

**Gastroparesis**
- Utilization of SmartPill wireless capsule and gastric emptying scan
- Escalating temporary gastric electrical stimulation (GES) for severe gastroparesis
- Domperidone therapy
- Non-invasive vagal nerve testing to monitor effects of GES

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

**Others**
- GI neuromuscular registry (with controls)
- *New esophageal stent
  *Coming soon

Updated on May 7, 2014

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

Research Team

**GI Physicians**
- John M. Wo (Director)
- Toyia James-Stevenson
- William Kessler
- Thomas Nowak
- Robert Siwiec
- Joel Wittles

**Researchers**
- David Nelson, Depart of Microbiology & Immunology
- Andrew Saykin, IU Center of Neuroimaging
- Paul Herring, Depart of Cellular & Integrative Physiology
- Pedro Irazoqui, Biomed Engineering, Purdue University
- Matt Ward, Biomed Engineering, Purdue University

**Research Staff**
- Anita Gupta
- Miranda Williams
- Ashley Willis

*Coming soon*