What is ‘EVT’?

- Endoluminal Vacuum Therapy treats disease conditions of the gastrointestinal (GI) tract
- Minimally invasive way to promote and accelerate healing
- Novel approach with promising future as an adaptable and inexpensive procedure

however...

Roadblocks!

- Material properties $\rightarrow$ Mechanisms of action
- High skill floor required of practitioners
- Expensive and resource intense

so...

Our goal

- Lower the barrier of entry for non-expert endoscopists
- Connect physician experience to measurable properties
- Direct future research in EVT materials

Our approach

- Identify and measure material properties relevant to efficacy in EVT use
- Design characterization matrix
- Identify materials of interest
- Design test procedures to measure data
- Measure properties of different materials

Our deliverables

A characterization matrix with:

- 8 unique test procedures that measure material properties and clinical performance
- Data collected from 5 porous materials