Innovation in High Resolution Manometry
At first glance, you can now quickly assess and classify swallows with our unique swallow thumbnail bar. Visually stunning, pressure and impedance data with simplified control to customize views, color palettes and report templates. Real-time metrics at your fingertips, all designed to enhance your experience.

Comprehensive...Versatile...Insightful.
Get all that and more with the all new Zvu.
All patients with suspected achalasia who do not have evidence of a mechanical obstruction on endoscopy or esophagram **should undergo esophageal motility testing** before a diagnosis of achalasia can be confirmed.

**Chicago Classification 3.0**

**Achalasia**
- Type I: 100% failed peristalsis [no PEP]
- Type II: 100% failed peristalsis [+ PEP]
- Type III: >20% premature contractions

**EGJ Outflow Obstruction**
- Incompletely expressed achalasia
- Mechanical obstruction

**Distal Esophageal Spasm (DES)**
- ≥ 20% premature contractions (DL<4.5s) Jackhammer esophagus
- ≥ 20% of swallows with DCI >8,000 mmHg-s-cm and normal DL

**Absent Contractility**
- No scorabled contraction by DCI and DL criteria (should consider achalasia with borderline IRP and/or bolus pressurization)

**Ineffective Motility (IEM)**
- >50% ineffective swallows

**Fragmented Peristalsis**
- >50% fragmented swallows and not meeting criteria for IEM (mean DCI >450 mmHg-s-cm)

**HRiM Probes**

HRiM® 12 Fr Probe (32 pressure, 16 impedance)

HRiM® 8 Fr Probe (32 pressure, 16 impedance)
Sandhill University—training and education at a higher level.

Providing great products is just the first step in a long term relationship with our customers... we believe that training and education are the key components to even the best equipment, enabling you to provide outstanding patient care. That’s why at Sandhill University, we have developed a comprehensive set of options to meet your needs, including: Sandhill University/Denver—Sandhill University/Online—Webinars—Cybercoaching.

Sandhill Scientific—a global leader in GI diagnostics.

Since 1981, Sandhill Scientific has been recognized as a global leader in the field of GI Diagnostics. With a long and rich history in the GI space, we have produced many of the innovations used today to help enhance the diagnostic yield of reflux and manometry.

With our Technical Research & Training Center in Denver, Sandhill will continue to innovate, blending science and user feedback to develop products and technologies for you, our customers. See the complete line of GI solutions at SandhillSci.com.

References
1. ACG Clinical Guideline: Diagnosis and Management of Achalasia. Michael F. Vaezi, MD, PhD, MSc, FACC, John E. Pandolfino, MD, MSCI, and Marcelo F. Vela, MD, MSCR.

Learn more from your personal product representative at 800-558-6408 or SandhillSci.com.