

# INSIGHT™ HRiM®

High Resolution Impedance Manometry System

## SIMPLIFY THE COMPLEXITIES OF ESOPHAGEAL FUNCTION TESTING...

- HRiM is a leading edge, comprehensive test of both esophageal pressure and bolus transit dynamics
- Using a high resolution array of pressure and impedance sensors dispersed across the entire anatomic region provides concurrent manometric and bolus transit dynamics from a single probe position with minimal time and effort
- Full data analysis and viewing tools support the latest analysis and interpretation tasks while retaining all traditional tools
- Now, for the first time, you can enjoy the diagnostic benefits of combined high resolution and impedance in a single, simple test. The future of comprehensive esophageal function testing has arrived



**SANDHILL**  
SCIENTIFIC

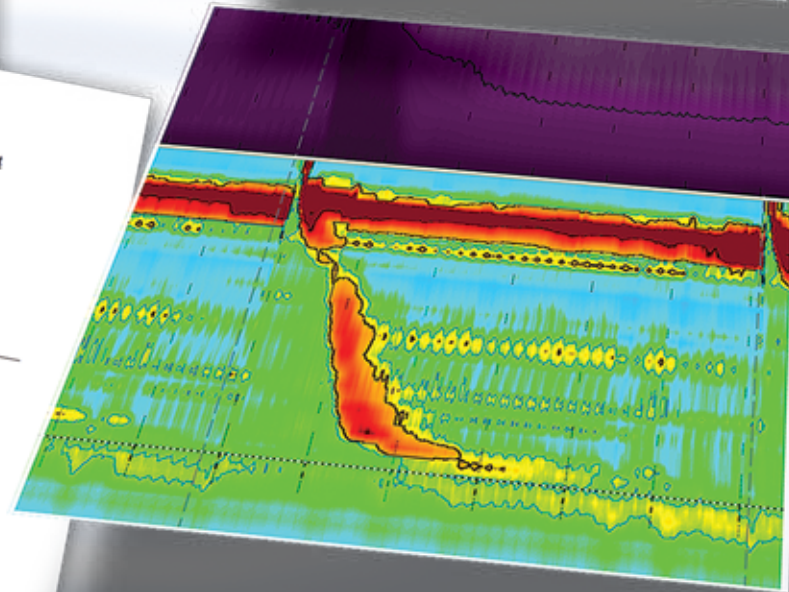
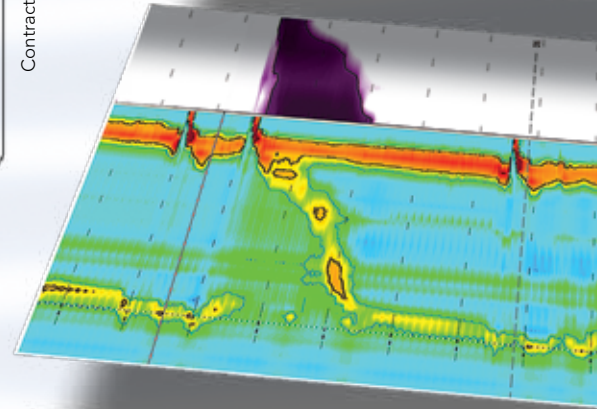
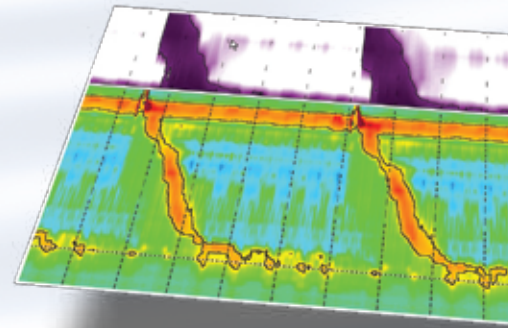
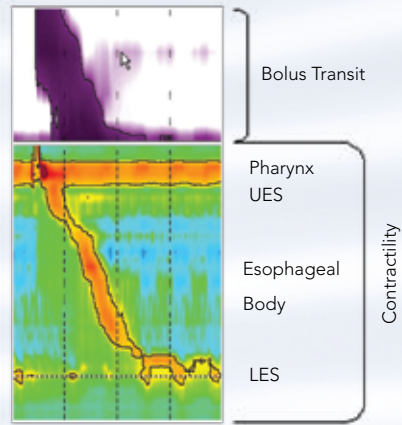


## Bolus Transit Benefits

- Full bolus transit assessment from pharynx to stomach
- Measure bolus transit directly - manometric predictions of bolus transit are no longer required

## High Resolution Manometry Benefits

- Minimize data acquisition effort and time using a single probe position
- Optimal data consistency with minimal technique sensitivity
- Comprehensive manometric data from pharynx to stomach



## Normal Esophageal Function

- Complete Bolus Transit
- Complete UES Relaxation / Pharyngeal Contraction
- Effective Peristalsis
- Complete LES Relaxation

## Abnormal Peristalsis with Complete Bolus Transit

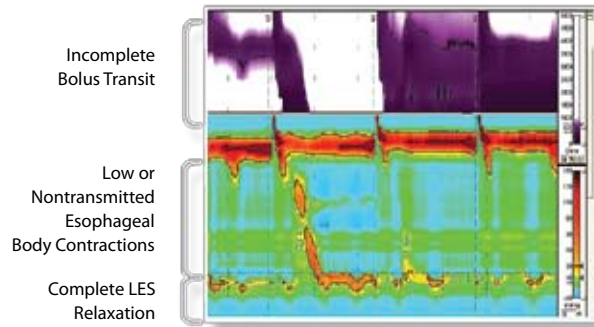
- Complete Bolus Transit
- Complete UES Relaxation / Pharyngeal Contraction
- **Ineffective Peristalsis**
- Complete LES Relaxation

## Normal Peristalsis with Abnormal Bolus

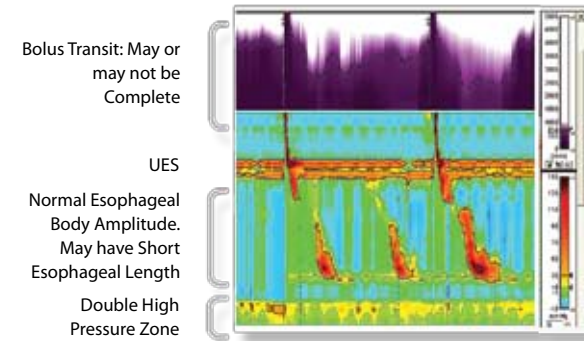
- Incomplete Bolus Transit
- Complete UES Relaxation / Pharyngeal Contraction
- Effective Peristalsis
- **Ineffective LES Relaxation**



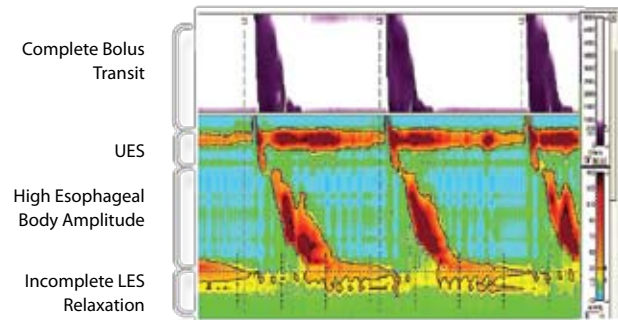
## I.E.M.



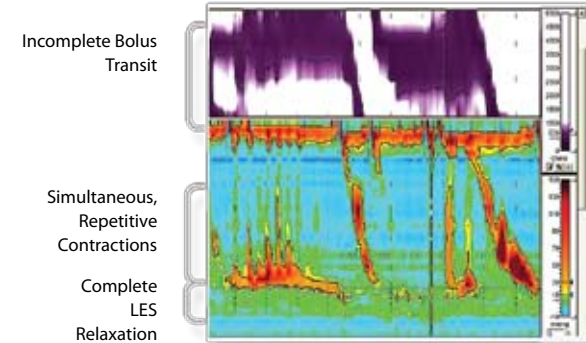
## Hiatal Hernia



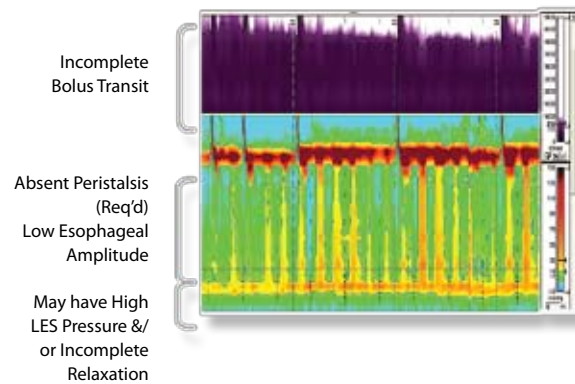
## Nutcracker Esophagus



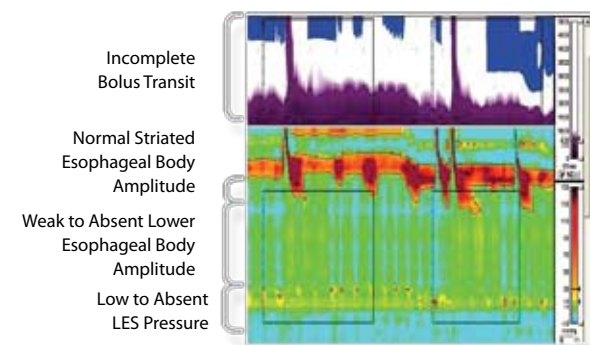
## DES



## Achalasia



## Scleroderma



The InSIGHT™ HRiM® system, with Sandhill's exclusive BioView® software, combines bolus transit dynamics and muscular activity to accurately assess esophageal function in *one simple swallow test*. Using impedance and manometry together clarifies which patients with manometric abnormalities actually have esophageal function disorders. This is because bolus transit may be the single most important parameter for assessing dysphagia and qualifying patients prior to anti-reflux surgery... information that you cannot get with manometry alone.



## The latest innovations in High Resolution Impedance Manometry technology

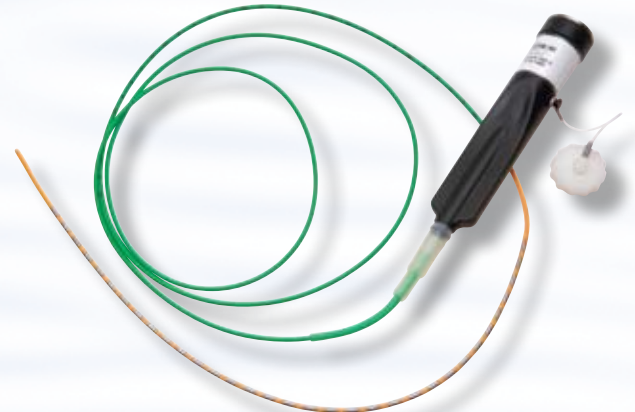
### HRiM<sup>2</sup>

32 pressure  
16 impedance  
12 Fr  
High Resolution  
Impedance  
Manometry Probe



### HRiM<sup>SD</sup>

32 pressure  
16 impedance  
8 Fr  
High Resolution  
Impedance  
Manometry Probe



**New waterproof connector** is protected against submersion in approved cleaning and disinfectant solutions\* for up to 30 minutes.

\*Tested to meet IPX5/IPX7 waterproof specifications

See the UniTip High Resolution User Manual for approved cleaning and disinfectant solutions and procedures.

## Simplify the complexities of analysis.

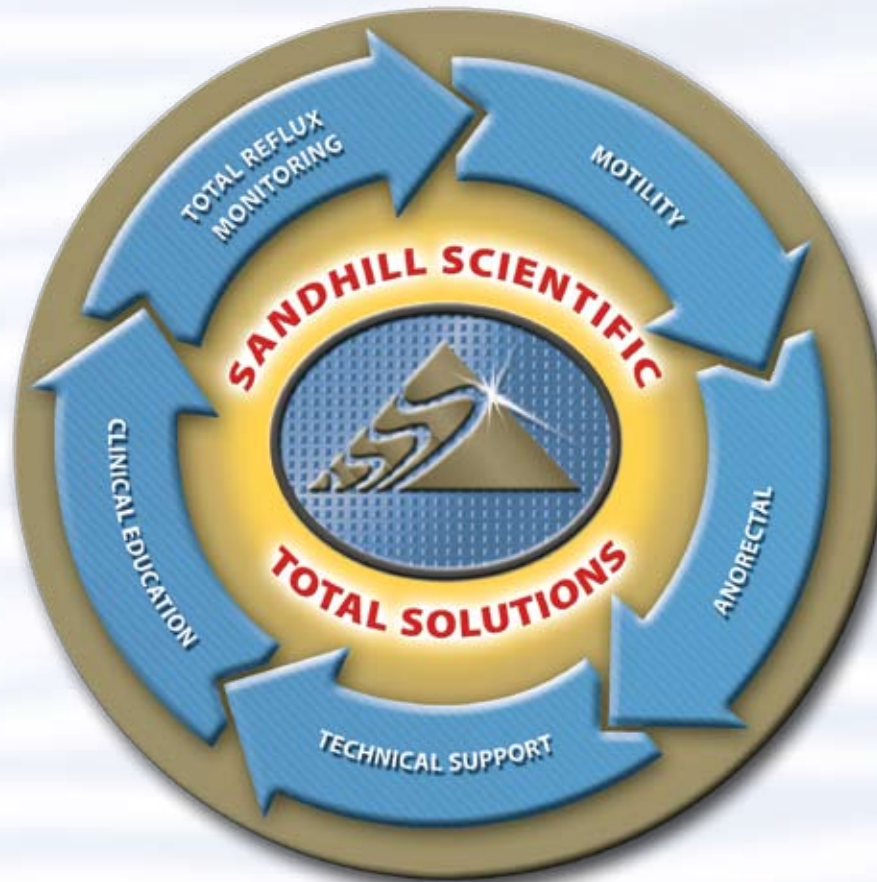
Exclusively from Sandhill, BioVIEW® is the most-advanced G.I. Diagnostic Software in the industry. Easy to learn and easy to use, BioVIEW provides a choice of state-of-the-art visual options for complete, yet simple, measurement and analysis of gastrointestinal tract disorders. Visual options include ContourVIEW™, RapidVIEW™ and SyncVIEW™.

Over the past 30 years, Sandhill Scientific has brought the world the diagnostic benefits of impedance/pH, impedance manometry and now, High Resolution Impedance Manometry. We continue to be leaders because when you tell us what you need to enhance your diagnostic capabilities - we listen.



## Sandhill University - a higher level of training and education

Providing great products is just the first step in a long term relationship with our customer...we believe that education and training is the key component to the best utilization of our products which enables you to provide outstanding patient care. That's why at Sandhill University, we have developed a comprehensive set of options to meet your needs.



Sandhill Scientific, Inc  
9150 Commerce Center Circle, #500  
Highlands Ranch, CO 80129 USA  
800.468.4556 303.470.7020  
Fax: 303.470.2975

Sandhill Scientific - Europe  
Decopra s.r.o  
Svabky 2, Budova B  
180 00 Praha 8  
Czech Republic  
Tel: (+420) 222 352 340  
Fax: (+420) 266 310 110

