

# ZepHr®

Impedance/pH Reflux Monitoring System

## HOW ARE YOU ASSESSING YOUR PPI RESISTANCE PATIENTS TODAY?

Patients on PPI's who continue to experience symptoms such as cough, heartburn, regurgitation and chest pain often are difficult to diagnose using traditional acid (pH) monitoring approaches. In fact, a recent study<sup>1</sup> states that physicians using only acid (pH) monitoring for diagnostics, lack the capability of accurately diagnosing GERD in 35% of their patients.

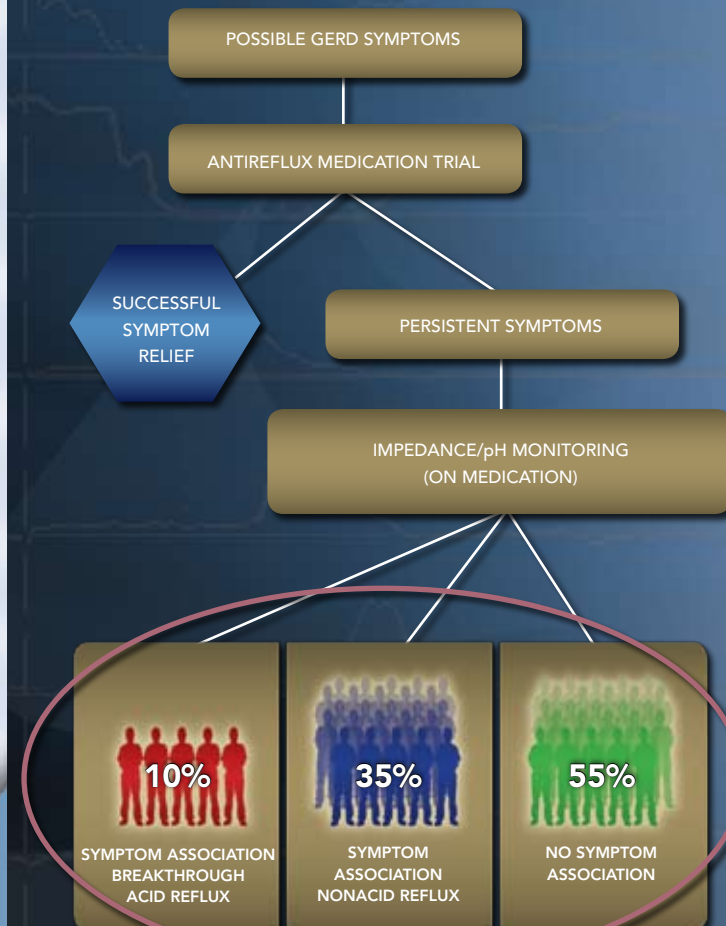
The ZepHr® Impedance/pH Reflux Monitoring System employs impedance to detect ALL reflux activity and uses pH to categorize each episode as acid or nonacid for **Total Reflux Monitoring**. Comprehensive analysis quantifies all reflux patterns and symptom associations in patients studied on or off acid suppression medication.

Having introduced impedance/pH monitoring to the G.I. market, Sandhill continues to evolve this unprecedented technology... delivering all the information you need for a precise, comprehensive assessment of acid and nonacid reflux as well as the correlation between reflux and symptoms.

ALL THE DATA YOU NEED FOR PRECISE, ACCURATE ASSESSMENT OF YOUR PATIENTS.



## ARE YOU CURRENTLY GETTING ALL THE DATA?



GET TOTAL REFLUX MONITORING ANALYSIS



## 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, including:

- Sandhill University – Denver
- Sandhill University – Online
- Webinars
- Webcasts
- Cybercoaching

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\* patent pending

1. Agrawal and Castell; Reflux ReductionTherapy: When PPI's Are Not Enough, Practical Gastroenterology, 68-72, April 2006.
2. Inder Mainie, R. Tutuiian & D. O. Castell; Medical University of South Carolina; Symptoms on PPI Therapy Associated with Nonacid, Acid or No Reflux; ACG Presentation; October 2004.
3. Patients with typical symptoms\* (heartburn, regurgitation, chest pain) while on PPI Therapy.  
US Patent #7,493,158

## INDICATIONS FOR COMBINED IMPEDANCE/pH TESTING

- Persistent symptoms while on acid suppressive therapy
- Primarily postprandial symptoms
- Reflux symptoms and frequent meal ingestion (i.e., infant)



## SMALL SIZE... BIG PERFORMANCE

Small by powerful! Your patients will appreciate the large, easy to understand controls including our well known symptom buttons that make reporting as easy as 1-2-3.

## TREATMENT CONCLUSIONS

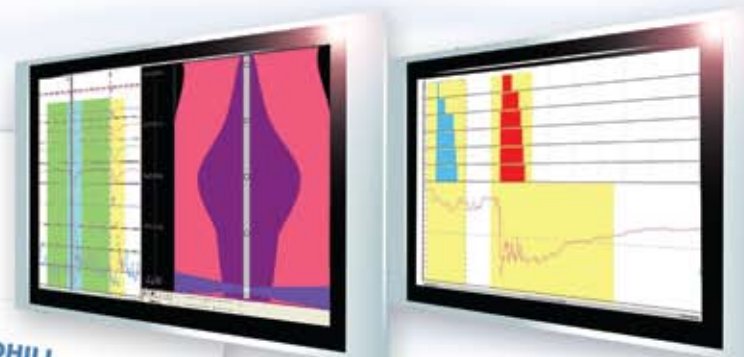
- Patients with nonacid identified by impedance/ pH whose symptoms have not responded to PPI therapy may benefit from the use of other medications.<sup>1</sup>
- Clinical trials have established that nonacid reflux can be associated with GERD symptoms. In addition, ZepHr provides a true negative study by identifying patients with no reflux association.<sup>2</sup>
- Positive symptom index for nonacid or acid reflux using impedance/pH predicts successful response to Laparoscopic Nissen Fundoplication.<sup>2</sup>

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## FEATURING ENHANCED BIOVIEW® G.I. DIAGNOSTIC SOFTWARE

Powered by Sandhill's revolutionary AutoSCAN®, BioVIEW analysis software simplifies interpretation of an impedance/pH study. Plus, BioVIEW easily guides you through a Z Swallow Challenge™ - a bolus transit screening test during an impedance/pH test with a single intubation that provides quantitative analysis of bolus transit effectiveness.



SyncVIEW™  
uses  
patented\*  
playback  
to visualize  
bolus transit

RapidVIEW™  
quick  
visualization  
of an acid  
or nonacid  
reflux event

