

ANNOUNCING A NEW, MORE ACCURATE WAY TO DETECT LARYNGOPHARYNGEAL REFLUX (LPR) ComforTec[®] LPR

In the past, LPR has been detected by monitoring acid reflux using probes with pH sensors or a hypopharyngeal acidic vapor detector. These studies have a major limitation since a substantial number of LPR events are nonacid¹. Since nonacid LPR can be prevalent, it is necessary to use impedance/pH to establish the occurrence of not only acid, but also nonacid reflux.

Sandhill's new single branch ComforTec probes include pH sensors which characterize the reflux as being either acid or nonacid, and impedance sensors to monitor fluid movement, thus dividing any detected reflux into three categories:

- distal esophageal reflux
- full column esophageal reflux
- LPR

The net result is that the new impedance/pH probes, combined with the normative data for LPR, provide an objective way to determine the presence of pathological LPR². This approach overcomes many of the issues related to the use of acid pH sensors alone to detect LPR and the lack of sensitivity and specificity of laryngoscopic findings.



ZepHr[®] Impedance/pH Reflux Monitoring System

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 SA SANDHILL and symptoms. ZepHi

SANDHILL

Patient Data Patient Name: Patient Namebo Patient Sex: Date of Birth: Patient Histo Symptom(site Medications: Impression

Physician's Se Acid Exposure (pl)

Percent Time Distal (< 4.2%) DeMeester Comp

Reflex Entrode A

All Reflax Proxim All Reflax Distal (< 73) Modian Boles Cl (< 44.0)

Swapton C Swapton Cough Hearthern PPI Regurgitate MOTE: Press

Fax: 303.470.2975

ComforTec[®] LPR

Laryngopharyngeal Reflux Probe

ESOPHAGEAL pH

5cm ABOVE THE LES

ESOPHAGEAL IMPEDANCE

ESOPHAGEAL

IMPEDANCE

PROXIMAL PHARYNGEAL IMPEDANCE	ESOPHAGEAL REFLUX + ACID/NONACID LPR DETECTION MODEL	ESOPHAGEAL LENGTH	MODEL NUMBER
PHARYNGEAL pH 0.5cm-1cm > UES	ADULT LONG	26-28cm	ZAI-BL-54
DISTAL PHARYNGEAL IMPEDANCE	ADULT MEDIUM	23-25cm	ZAI-BL-55
	ADULT SHORT	20-22cm	ZAI-BL-56

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
- CyberCoach
- CyberTech
- SuperVision MD[™]



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1. How Much Pharyngeal Exposure is "Normal"? Normative Data for Laryngopharyngeal Reflux Events Using Hypopharyngeal Multichannel Intraluminal Impedance (HMII); Hoppo, et al; J Gastrointest Surg 2012; 1:16-24 2. ibid