

AN INNOVATIVE MUCOSAL IMPEDANCE DEVICE DIFFERENTIATES ACTIVE EOSINOPHILIC ESOPHAGITIS FROM INACTIVE DISEASE, NERD, AND CONTROLS

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Disclosures

- Vanderbilt Institutional Review Board approved this study
- Vanderbilt University holds the patent with Sandhill Scientific Inc. for the device
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- The other authors of this study have no financial disclosures

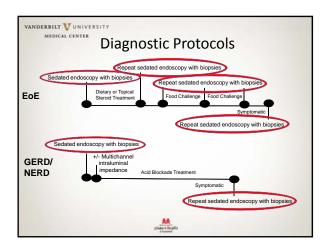


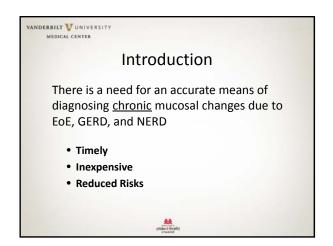
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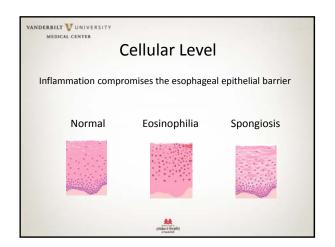
Background

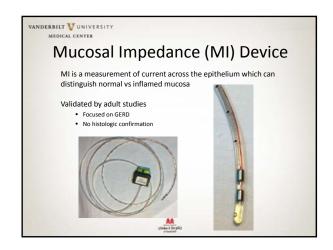
- Eosinophilic esophagitis (EoE), gastroesophageal reflux disease (GERD), and non-erosive esophageal reflux disease (NERD) are common diseases of both adult and pediatric patients
- Share clinical and histological features
- Require multiple endoscopies with biopsies or pHimpedance monitoring

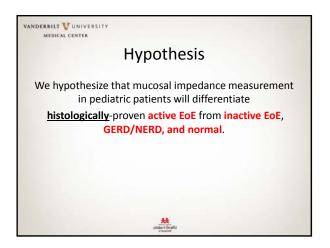


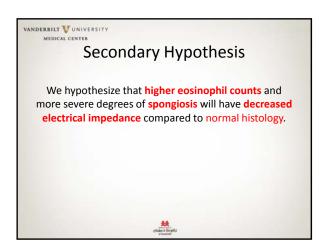








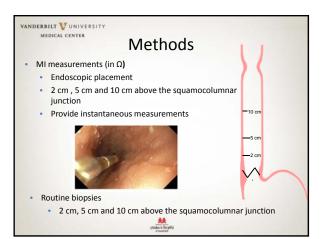




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- Methods
- Cross Sectional Study
- 83 pediatric patients
- Ages 1 year -18 years
- Vanderbilt Pediatric Gastroenterology Clinic





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Pathologists blind routine protocol	ed to MI measi	urements revie	wed biopsies per
 Spongiosis was gramoderate or seven 		inal visual scal	e (normal, mild,
	Spon	giosis	
NORMAL	MILD	MODERATE	Severe
	de	AA and Replie	

