



FOR IMMEDIATE RELEASE

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Biomarkers Captured from the Esophageal String Test[®] (EST[®]) Correlate with Epithelial and Functional Remodeling in EoE Patients¹

- Two pediatric hospitals enrolled patients with EoE to undergo the EST[®] and endoscopy
- Luminal eosinophil-associated proteins (EAPs) and remodeling proteins were captured by the EST[®]
- EST[®]-captured proteins, including periostin, correlated with endoscopic features

Results showed that EST[®]-captured luminal proteins were positively correlated with endoscopic features and markers of epithelial-mesenchymal transition (EMT). These proteins were also found to be negatively correlated with esophageal distensibility¹.

Proteins captured by the EST[®] correlate with epithelial and functional remodeling as well as with biomarkers of EMT. Periostin, which is associated with eosinophil accumulation and fibrotic remodeling in EoE, was also captured by the EST[®], and correlated with endoscopic appearance and markers of EMT¹.

EnteroTrack's Chief Medical Officer, Dr. Glenn Furuta, stated, "This article provides physicians and scientists with new insights into pathogenetic mechanisms linked to functional outcomes in children with eosinophilic esophagitis. The EnteroTracker provides an innovative approach to capture samples addressing these critical issues."

The minimally invasive EST[®] captures luminal EAPs, and these markers of inflammation correlate with structural findings. The authors state that this insight is important to monitor mucosal inflammation in EoE and repair the esophageal epithelium and prevent esophageal remodeling¹.

About EnteroTrack

EnteroTrack develops simple-to-use, minimally invasive technologies to sample gastrointestinal (GI) mucosal content that can be assayed for various biomarkers of disease. The company's platform technology, the EnteroTracker[®] is initially being used to support clinical monitoring of Eosinophilic Esophagitis in adults and children without need for sedation, advanced training, or complex procedures. Clinical studies evaluating the utility of the EnteroTracker[®] for additional applications including Esophageal Adenocarcinoma, Barrett's Esophagus, GERD, GI microbiome, food allergy testing, and others are currently underway.

Visit www.enterotrack.com or contact Brookelynn Stillwell (brookelynn.stillwell@enterotrack.com) for more information.

¹Muir, A. B., Ackerman, S. J., Pan, Z., Benitez, A., Burger, C., Spergel, J. M., Furuta, G. T., Rothman, J., Wilkins, B. J., Arnold, M. A., Dolinsky, L., Grozdanovic, M., & Menard-Katcher, C. (2022). Esophageal remodeling in eosinophilic esophagitis: Relationships to luminal captured biomarkers of inflammation and Periostin. *Journal of Allergy and Clinical Immunology*. <https://doi.org/10.1016/j.jaci.2022.03.022>