Eosinophilic Esophagitis: Endoscopic Modalities

NORTHWESTERN UNIVERSITY

Ikuo Hirano, MD Gastroenterology Division Northwestern University Medical School

Role of Endoscopy in the Management of EoE

- Are symptoms and histology sufficient to assess disease activity?
- How do we characterize the endoscopically identified esophageal abnormalities?
- Can we detect significant change in esophageal abnormalities with therapy?
- What is the role for esophageal dilation?

Limitations of current clinicopathologic assessment of disease activity in EoE

- Symptoms
 - Difficult to quantify and are often intermittent
 - May improve as result of changes in eating behavior and food avoidance
 - Related to both inflammation and fibrostenotic consequences of inflammation
- Histology
 - Limited correlation between degree of esophageal eosinophilia and clinical severity
 - Biopsies ignore the submucosa and muscularis where remodeling changes occur

























What are potential advantages of an EOE endoscopic reference? Allows for uniform characterization of esophageal abnormalities that are present in most EOE patients Facilitates comparisons of endoscopic severity amongst clinicians and investigators Complements assessment of therapeutic outcomes in EOE that is currently based on symptoms and pathology Provides important information regarding fibrostenosis that is a major determinant of symptoms in EOE

















