Feel the Squeeze: Eosinophilic Esophagitis

Andrew Flynn March 10, 2025

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Case

- 32 M presents to ED with suspected food bolus impaction.
- "Several episodes" of retrosternal sticking of solids over past several years, pass with consumption of liquids.
- Now has been unable to tolerate secretions for last 6 hours since feeling impaction of pork belly.
- History of seasonal allergies.
- Otherwise healthy.
- Whaddya do?



Case cont'd

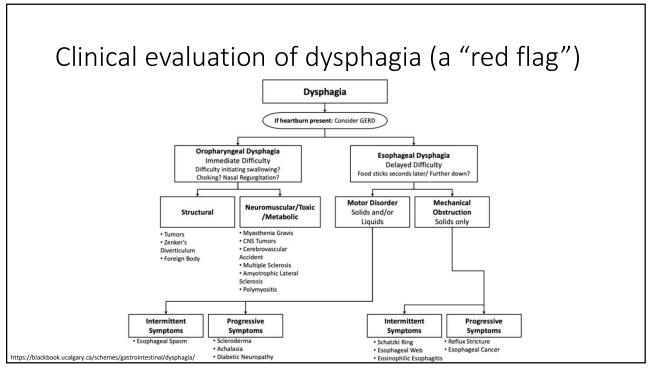
- Food bolus disimpacted.
- Esophageal biopsies:

"The biopsy is composed of squamous mucosa with edema, elongated lamina propria papillae, basal cell hyperplasia, and increased intraepithelial eosinophils, approaching 40 eosinophils per high power field. Occasional eosinophilic microabscesses are seen. In the appropriate clinical setting, the findings are consistent with eosinophilic esophagitis."

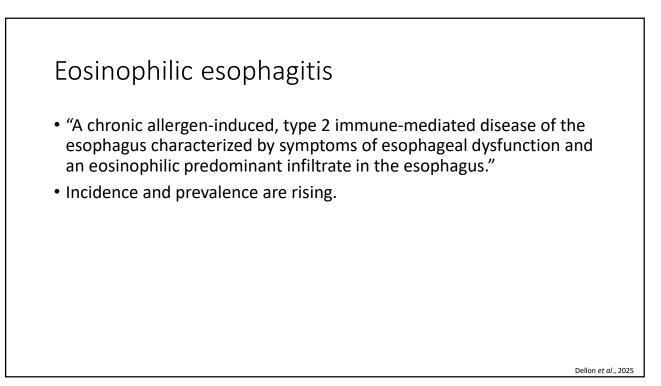
ACG Clinical Guideline: Diagnosis and Management of Eosinophilic Esophagitis

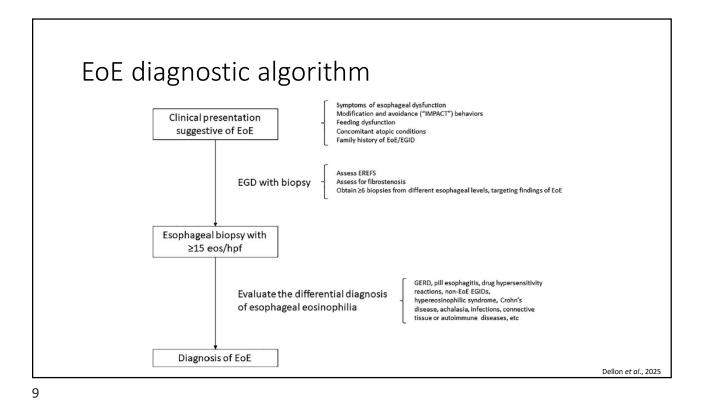
Evan S. Dellon, MD, MPH, FACG¹, Amanda B. Muir, MD^{2·3·4}, David A. Katzka, MD, FACG⁵, Shailja C. Shah, MD, MPH^{6·7}, Bryan G. Sauer, MD, MSc, FACG⁸, Seema S. Aceves, MD, PhD^{9·10}, Glenn T. Furuta, MD^{11·12}, Nirmala Gonsalves, MD, FACG^{13·*} and Ikuo Hirano, MD, FACG^{13·*}†

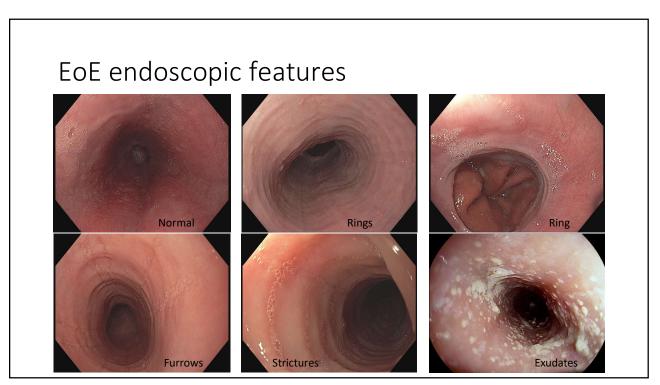
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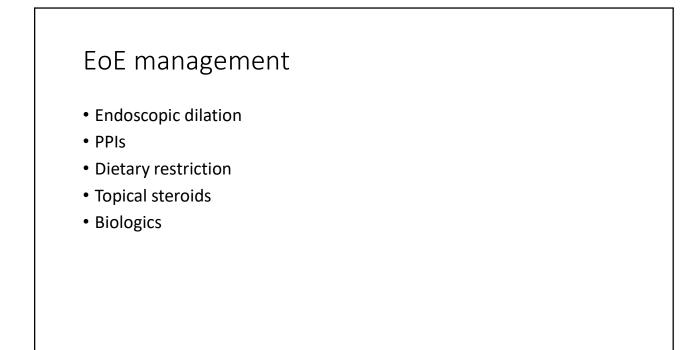


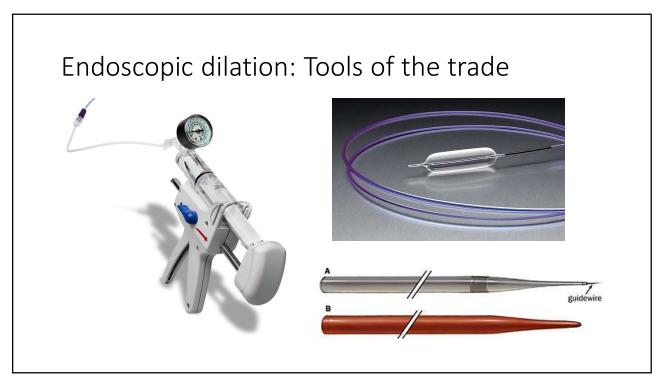
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Table 4. "IMPACT" b history	pehaviors to assess while taking a dysphagia
Behavior	Description
Imbibe fluids	Drinking a lot of liquids to help get each bite down smoothly
Modify foods	Cutting foods into small pieces or pureeing foods
Prolong meal times	Eating slowly and being the "last one at the table"
Avoid hard texture foods	Meats, crusty breads, and foods with sticky consistencies are often removed from the diet to minimize symptoms
Chew excessively	Thorough chewing to achieve a mush-like consistency to allow easier swallowing
Turn away tablets/pills	Pill dysphagia is a subtle symptom of EoE and may be the only indication of swallowing dysfunction
EoE, eosinophilic esophag Adapted from Hirano and F	itis. Furuta. Gastroenterology. 2020;158(4):840–51 (81).

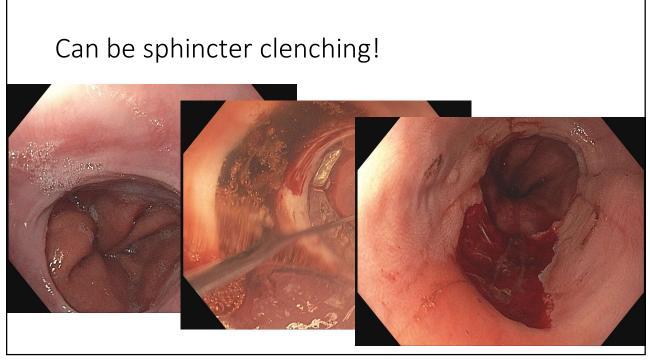












Initial medical approach

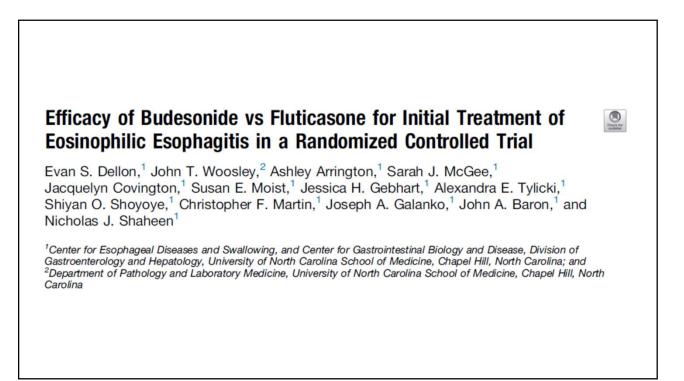
- Treat with PPI bid
 - Decrease eotaxin-3, increase epithelial barrier function
 - Explain not used for anti-reflux symptoms
- 8 wks later \rightarrow repeat EGD
 - ?PPI responsive (~40%)
 - If so, drop down to once daily
 - Assess for dilation
- Goals of therapy:
 - Improve symptoms
 - Prevent complications

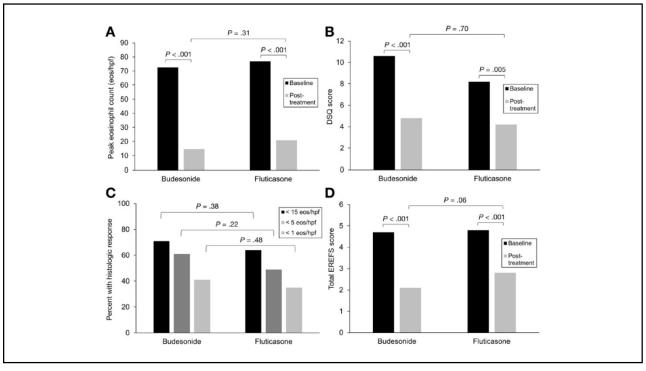
Topical steroids

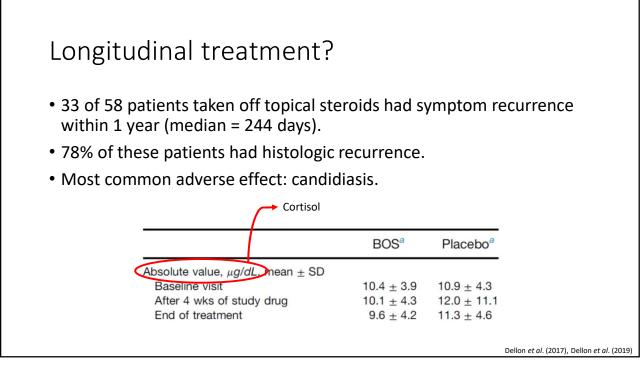
- Fluticasone
 - 1760 mcg/d in divided doses

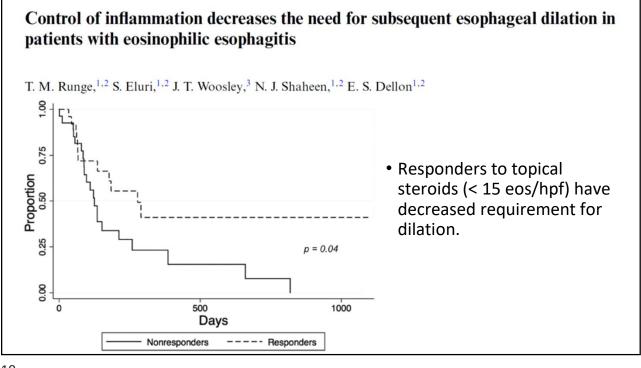
• Budesonide

- 2-4 mg in divided doses
- Available as orodispersible tablet









Dietary elimination

Table 5. Dietary elimination therapy options

Diet	Details ^a	Efficacy range
1FED	Dairy elimination alone; also referred to as animal milk elimination ^b	35%-45%
2FED	Dairy and wheat elimination	40%-45%
4FED	Dairy, wheat, egg, and soy elimination	40%-50%
6FED	Dairy, wheat, egg, soy, nuts, and seafood elimination	40%-70%
Elemental formula	Amino acid-based hypoallergenic formula	>90% (if adherent)
Allergy test-directed	Not recommended ^c	, , , , , ,

Step-up empiric elimination diet for pediatric and adult eosinophilic esophagitis: The 2-4-6 study

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Javier Molina-Infante, MD, PhD,^{a,b} Ángel Arias, MSc, BSc,^{b,c} Javier Alcedo, MD, PhD,^d Ruth Garcia-Romero, MD, PhD,^e Sergio Casabona-Frances, MD,^f Alicia Prieto-Garcia, MD, PhD,⁹ Ines Modolell, MD, PhD,^h Pedro L. Gonzalez-Cordero, MD,^a Isabel Perez-Martinez, MD, PhD,ⁱ Jose Luis Martin-Lorente, MD, PhD,ⁱ Carlos Guarner-Argente, MD, PhD,^k Maria L. Masiques, MD,¹ Victor Vila-Miravet, MD,^m Roger Garcia-Puig, MD,ⁿ Edoardo Savarino, MD, PhD,^o Carlos Teruel Sanchez-Vegazo, MD,^p Cecilio Santander, MD, PhD,^{b,f} and Alfredo J. Lucendo, MD, PhD^{b,q} *Caceres, Madrid, Ciudad Real, Zaragoza, Barcelona, Oviedo, Burgos, and Tomelloso, Spain, and Padua, Italy*

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