

Diagnosing and treating patients with eosinophilic oesophagitis: Tackling the difficulties

Practice aid for treatment of eosinophilic oesophagitis

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Identify

Recognizing EoE in the clinic

Clinical manifestations of EoE vary with age

INFANTS AND TODDLERS¹

- Feeding aversion/ intolerance
- Vomiting
- Food refusal
- Choking during meals
- Failure to thrive
- Sleep disturbance





CHILDREN¹

- Dysphagia
- Food impactions
- Vomiting/regurgitation
- Choking/gagging with coarse textures
- Abdominal/chest pain
- Throat pain
- Nausea
- Sleep disturbance
- Decreased appetite



ADOLESCENTS/ADULTS²

- Dysphagia
- Food impactions
- GORD symptoms



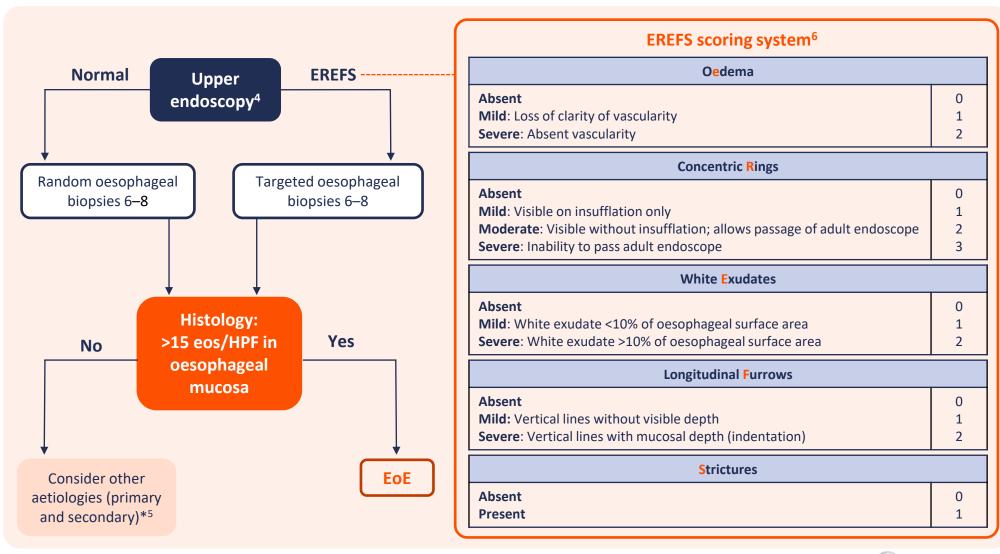
Differential diagnostic features for EoE and GORD³

Feature	EoE	GORD
Dominant symptoms	Dysphagia	Heartburn, regurgitation
Food impaction	Common	Uncommon
Sex	Male predominance	Male = female
Associated atopic conditions	Allergic asthma, atopic dermatitis and allergic rhinitis	No association with atopic conditions



Diagnose

Endoscopy and histology diagnostic workup



^{*}Primary disorders associated with eosinophilia other than EoE include GORD, achalasia, Crohn's disease, fungal or viral infections and pill oesophagitis; secondary disorders include hyper-eosinophilic syndrome, drug hypersensitivity reactions and connective tissue diseases.⁵



Treat

Biologics for patients with EoE

- Therapy options for EoE include: PPIs, STCs, dietary interventions, endoscopic dilation and biologic therapy (dupilumab)^{7,8}
- Where biologic therapy is approved, it should be considered as:
 - First-line therapy for patients with multiple comorbid atopic conditions or a strong preference to avoid dietary restriction or STCs⁸
 - **Step-up therapy** in difficult-to-treat EoE, patients with failure to thrive, poor growth or significant weight loss, frequent use of rescue therapies, severe diet restriction or requiring amino acid formula, clinically significant oesophageal strictures and patients who are refractory to or have adverse events with current therapy⁸

Approved biologics for EoE⁹⁻¹²



Dupilumab

- IL-4/IL-13 receptor antagonist
- The first therapy approved for treatment of EoE
- Approved by the FDA (2022) and the EC (2023) to treat adults ≥12 years; FDA expanded the indication in 2024 to include paediatric patients aged 1–11 years
- Approvals were based on the results of the phase III LIBERTY EOE TREET study and the phase III EoE KIDS trial

Selected agents in development for EoE

Cendakimab^{13,14}

- Anti-IL-13 antibody
- Phase III trials: NCT04753697/NCT04991935
- Study completion: October 2024/September 2026
- Age of participants: 12–75 years

Etrasimod^{13,14}



- Sphingosine-1-phosphate receptor modulator
- Phase II trial: NCT04682639 (VOYAGE)
- Study completion: June 2023
- Age of participants: 18–65 years

Tezepelumab^{13,14} •



- Anti-thymic stromal lymphopoietin antibody
- Phase III trial: NCT05583227 (CROSSING)
- Study completion: January 2027
- Age of participants: 12–80 years

Barzolvolimab^{14,15} •



- Receptor tyrosine kinase KIT inhibitor
- Phase II trial: NCT05774184 (EvolvE)
- Study completion: August 2025
- Age of participants: ≥ 18 years



Abbreviations and references

Abbreviations

EC, European Commission; EoE, eosinophilic oesophagitis; eos, eosinophils; EREFS, endoscopic reference score; FDA, US Food and Drug Administration; GORD, gastro-oesophageal reflux disease; hpf, high-power field; IL, interleukin; PPI, proton pump inhibitor; STC, swallowed topical corticosteroid.

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The guidance provided by this practice aid is not intended to directly influence patient care. Clinicians should always evaluate their patients' conditions and potential contraindications and review any relevant manufacturer product information or recommendations of other authorities prior to consideration of procedures, medications, or other courses of diagnosis or therapy included here.

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