

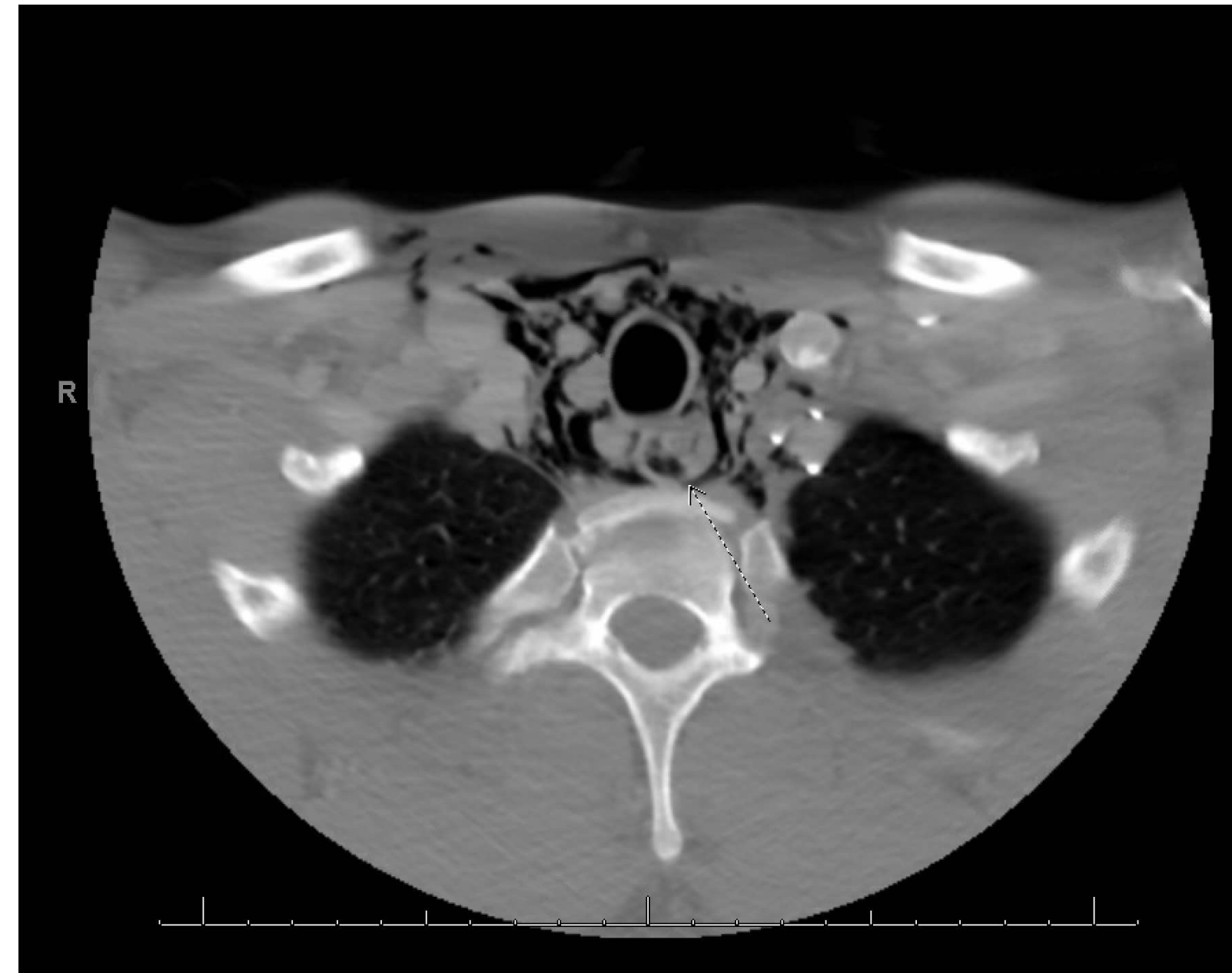
## Introduction

- Eosinophilic esophagitis (EoE) is an uncommon condition defined as a chronic, immune mediated esophageal disease.
- It is characterized clinically by symptoms related to esophageal dysfunction and histologically by eosinophil-predominant inflammation.<sup>1</sup>
- Patient's present with esophageal dysphagia and food impaction.

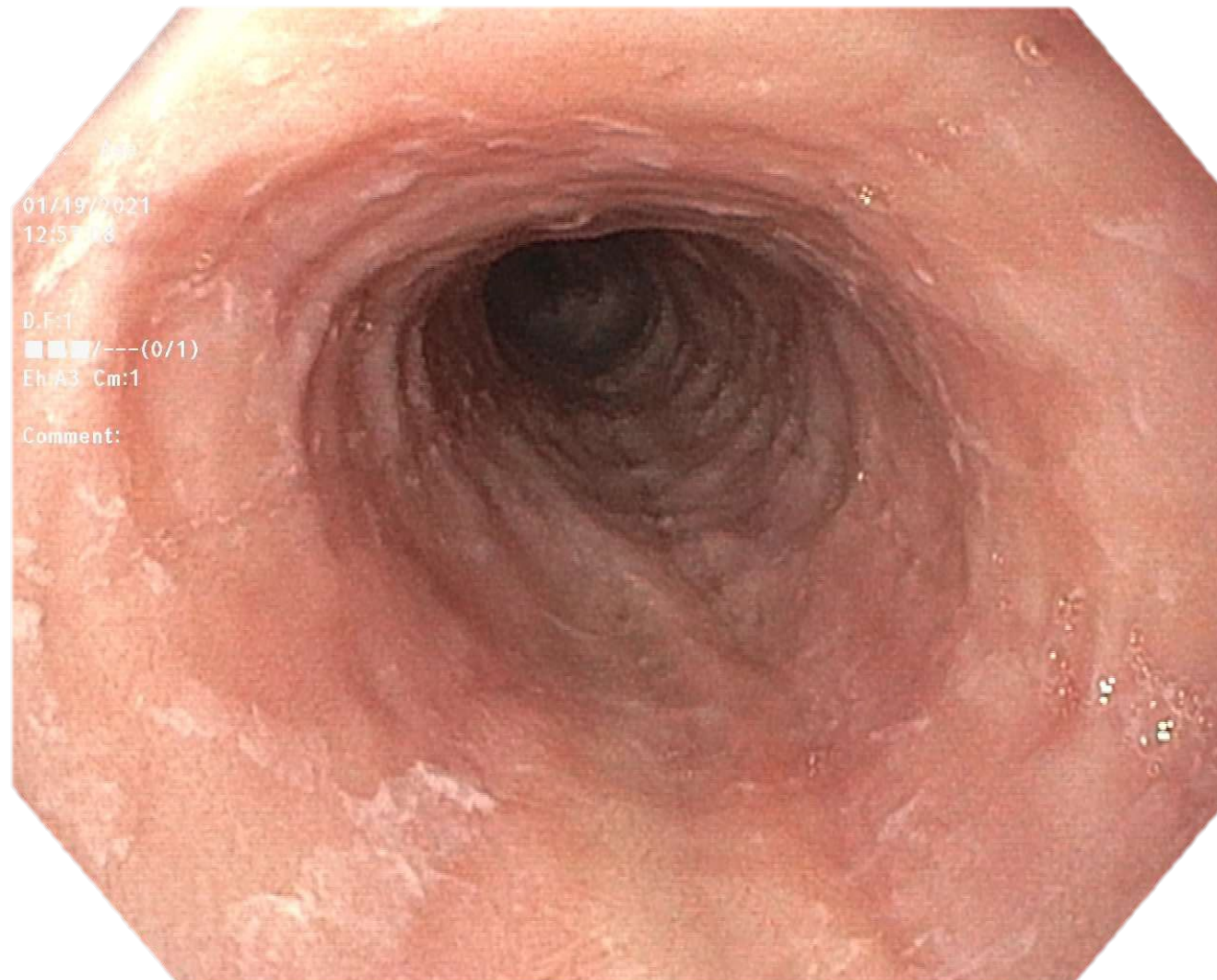
## Case Presentation

- 31-year-old male no PMH presents to the ED with **acute onset lower neck pain** after consuming a sandwich and potato chips → followed by **2 episodes of hematemesis**
- VS wnl, but physical exam significant for **B/L crepitus**
- CT neck** : extensive **emphysema** in the neck and **pneumomediastinum** with esophageal wall emphysema suggestive of esophageal rupture (Figure 1)
- Esophagram**: no evidence of gross esophageal leak
- Initial management**: IV pain medications, NPO and slow escalation of diet, discharged home
- 2-month **EGD**: ringed esophagus, longitudinal furrows, white plaques and white specks throughout the entire esophagus > **biopsy confirmed EoE**

## Images



**Figure 1:** CT scan of the neck significant for subcutaneous emphysema and pneumomediastinum.



**Figure 2:** Endoscopic findings of EoE.

## Discussion

- The incidence of EoE appears to be increasing, in part due to rising recognition of the disorder.
- Esophageal perforation is a rare but serious complication of eosinophilic esophagitis, occurring in ~2% of cases.<sup>2</sup>
- Ongoing inflammation from longstanding untreated EoE has previously been reported to have led to esophageal perforation but rarely in such a dramatic fashion.<sup>3</sup>
- It is important for physicians to identify its features early to prevent further complications.

## References

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