Herpes Simplex Esophagitis Masquerading as Reflux Esophagitis

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Introduction

- Herpes simplex esophagitis (HSE), caused by the herpes simplex virus (HSV), is the 3rd most common cause of esophagitis behind gastro-esophageal reflux disease and candida infection (1). It is seen predominantly in hosts with impaired immunity resulting from chemotherapy, transplantation, or HIV infection.
- •HSE may result from reactivation of HSV with spread of the virus to the esophageal mucosa by way of the vagus nerve or by direct extension of oral-pharyngeal infection into the esophagus (2). It is most commonly caused by HSV-1 although HSV-2 has occasionally been reported (2,3).
- Patient's usually present with odynophagia and/or dysphagia (3). Lesions are typically found in the lower third of the esophagus and are well circumscribed with a volcano-like appearance.

Case Presentation

History and Exam

A 78-year-old male with past medical history of CLL, metastatic prostate cancer and MGUS presented with complaints of dysphagia and odynophagia. Treated with empiric fluconazole and scheduled for EGD.

Work Up

- state.

He was being actively treated with Leuprorelin and Docetaxel for prostate cancer. Creating an immunocompromised state.

Patient was started on empiric Fluconazole, suspecting Candida esophagitis.

Labs were largely unremarkable. WBC and ANC were within normal limits indicating a stable immunosuppressed

EGD was preformed and findings were consistent with reflux esophagitis. No typical signs of HSE.



esophagus

Discussion



Image 2: Type I and II Itoh classification of HSE. Small punched-out lesions with and without raised margins





Biopsies were sent to check for opportunistic infections in setting of immunosuppressed state and confirmed

Treated with Acyclovir for 21 days and scheduled for repeat EGD in 3 months to confirm normalization of the

Endoscopic findings of HSE have been characterized into type I, II and III by Itoh et al. Types I and II show small punched-out lesions with and without raised margins, respectively (Figure 2). Type III is defined when multiple ulcers became confluent like a map (5).

- Vesicular lesions are common in the early stages and exudative lesions are present in most cases (6,7). Mucosal necrosis can be seen in the later stages (8).
- Our case is interesting because the endoscopic findings were not typical of HSE as they did not fit into any Itoh classification. The patient was diagnosed with LA grade C reflux esophagitis before pathology confirmed the diagnosis of HSE.
- This case shows us that opportunistic infections should always be considered in immunocompromised patients even if gross endoscopic appearance does not suggest an infectious cause of esophagitis.

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