

Extensive esophageal damage resembling carcinoma due to tetracycline intake

A 36-year-old woman presented with severe odynophagia, dysphagia, and retrosternal chest pain of sudden clinical onset. The patient had a history of facially distributed acne and had been on tetracycline for 2 days. She had no history of other medications, history of caustic ingestion or irradiation, or any history of esophageal disease. Oropharyngeal and other physical examination findings were normal. No abnormalities were found in the laboratory tests, echocardiogram, or chest radiograph.

Endoscopy revealed extensive serpiginous ulceration with inflamed margins and profuse exudates resembling carcinoma in the mid esophagus (● Fig. 1). The rest of the esophagus and stomach were unremarkable. Histopathological analysis of endoscopic biopsy from the edges and center of the esophageal ulcer specimen revealed a dense acute inflammatory infiltrate, with no neoplasia or infectious causes. The patient's symptoms improved within 2 days with a liquid diet, sucralfate suspension, and proton pump inhibitor. A probable adverse drug reaction was confirmed with a Naranjo score of 8. Endoscopic follow-up examination 4 weeks after therapy demonstrated normal findings.

Tetracycline-induced esophageal damage is a common condition [1]. However, in some rare cases like ours, the esophageal lesion may present extensive and severe damage resembling carcinoma, despite its benign characteristics. The chances of malignancy should be histologically excluded and endoscopic survey needs to



Fig. 1 Extensive and serpiginous ulceration resembling carcinoma in the mid esophagus of a 36-year-old woman.

be scheduled. Esophageal damage generally occurs at the level of physiological narrowing. It should therefore be noted that the drug needs to be taken with a sufficient amount of water.

Endoscopy_UCTN_Code_CCL_1AB_2AC_3AH

Competing interests: None

F. Karaahmet¹, Y. Coşkun¹, E. Erarslan¹, I. Yuksel^{1,2}

¹ Department of Gastroenterology, Diskapı Yıldırım Beyazıt Educational and Research Hospital, Ankara, Turkey

² Department of Gastroenterology, Yıldırım Beyazıt University School of Medicine, Ankara, Turkey

References

- 1 Zografos GN, Georgiadou D, Thomas D et al. Drug-induced esophagitis. *Dis Esophagus* 2009; 22: 633–637

Bibliography

DOI <http://dx.doi.org/10.1055/s-0033-1344560>
Endoscopy 2013; 45: E258
© Georg Thieme Verlag KG
Stuttgart · New York
ISSN 0013-726X

Corresponding author

F. Karaahmet, MD
Department of Gastroenterology
Diskapı Yıldırım Beyazıt Educational and Research Hospital
06080 Altındag – Ankara
Turkey
Fax: +90-312-3186690
fatih_ares@yahoo.com.tr