Symptomatic Solitary Gastric Diverticulum: A Rare Endoscopic Finding

Divertículo Gástrico Solitário Sintomático: Achado Endoscópico Inusual

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Keywords: Abdominal Pain; Diverticulum, Stomach/diagnosis
Palavras-chave: Divertículo Gástrico/diagnóstico; Dor Abdominal

The authors report the case of a 54-years-old man with chronic hepatitis C successfully treated with ledipasvir/sofosbuvir. An abdominal ultrasonography was performed because of nonspecific upper abdominal pain and showed three uncharacterized liver nodules. Subsequently, an abdominopelvic magnetic resonance was done and revealed four liver hemangiomas (16 mm maximum diameter in S2/S3). Additionally, a 37 mm x 18 mm mass in the left para-vertebral region behind the stomach showing an air-fluid level was also observed (Fig. 1). An esophagogastroduodenoscopy was then performed showing a single food-free diverticulum in the gastric fundus (Fig. 2). The patient had abdominal discomfort during the endoscopic examination by blowing the diverticulum with air. He became asymptomatic after one month of proton-pump inhibitors (PPI) and irritant free diet with low intake of acidic, spicy, highly salted or high-fat foods, without symptomatic relapse after a two-year follow-up.

The stomach is a very rare location of diverticular disease1-3 with endoscopic incidence ranging from 0.01% to 0.11%.1-4 In rare cases, diverticula can be symptomatic, usually improving with PPI.1 Surgical treatment is indicated for patients with large/complicated diverticulum or who have failed medical therapy.1,4

REFERENCES

PROTECTION OF HUMANS AND ANIMALS
The authors declare that the procedures were followed according to the regulations established by the Clinical Research and Ethics Committee and to the Helsinki Declaration of the World Medical Association.

DATA CONFIDENTIALITY
The authors declare having followed the protocols in use at their working center regarding patients’ data publication.

CONFLICTS OF INTEREST
All authors report no conflict of interest.

FUNDING SOURCES
This research received no specific grant from any funding agency in the public, commercial, or not-for-profit sectors.

Figure 1 – Abdominal and pelvic magnetic resonance imaging detecting a mass in the left paravertebral region behind the stomach showing an air-fluid level measuring 37 mm x 18 mm

Figure 2 – Endoscopic appearance of the solitary fundal gastric diverticulum measuring 36 mm x 20 mm and without food content