Perforation of benign peptic ulcer in hiatal hernia into the pericardium, resulting in pneumopericardium

A 57-year-old woman with a medical history of hiatal hernia, peptic ulcer disease, alcoholism, and schizophrenia was admitted to the emergency department with epigastric pain and fever. The patient had not been taking her prescribed proton pump inhibitors.

A peptic ulcer perforation (1.5 cm) in the hiatal hernia sac was discovered during gastroscopy, and an attempt to close the perforation with metal clips was unsuccessful (Video 1). The patient’s general state became more severe following gastroscopy. Tachycardia with atrial fibrillation, dyspnea (saturation <80%), and hypotension (systolic blood pressure <60 mmHg) occurred. The patient was referred for surgery with suspicion of pneumopericardium (Fig. 1).

A gastrotomy was made during laparotomy. A fistula to the pericardium was located and directly sutured. A tissue sample was taken from the ulceration. A peptic ulcer perforation (1.5 cm) in the hiatal hernia sac was discovered during gastroscopy. Tachycardia with atrial fibrillation, dyspnea (saturation <80%), and hypotension (systolic blood pressure <60 mmHg) occurred. The patient was referred for surgery with suspicion of pneumopericardium (Video 1). A gastrotomy was made during laparotomy. A fistula to the pericardium was located and directly sutured. A tissue sample was taken from the ulceration. A cardiothoracic team performed pericardial drainage, which was complicated by pneumopericardium (Fig. 1).

Video 1

Gastroscopy with an unsuccessful attempt to close the perforation with metal clips.

Endoscopy_UCTN_Code_CCL_1AB_2AD_3AC

Competing interests: None

Dariusz Łaski1, Marian Łukiański1, Michał Dubowik2, Rafał Pawlaczyk3, Wojciech Żurek4, Tomasz Marjański5, Zbigniew Śledziński1

1 Department of General, Endocrine and Transplant Surgery, Medical University of Gdańsk, Gdańsk, Poland
2 Department of Gastroenterology and Hepatology, Medical University of Gdańsk, Gdańsk, Poland
3 Department of Cardiosurgery, Medical University of Gdańsk, Gdańsk, Poland
4 Department of Thoracic Surgery, Medical University of Gdańsk, Gdańsk, Poland

References


Bibliography

DOI http://dx.doi.org/10.1055/s-0034-1377437
Endoscopy 2014; 46: E423
© Georg Thieme Verlag KG Stuttgart · New York
ISSN 0013-726X

Corresponding author
Dariusz Łaski, MD
Invasive Medicine Center
Medical University of Gdańsk
ul. Smoluchowskiego 17
Gdańsk
Poland
Fax: +48-58-3493020
dlaski@gumed.edu.pl

Łaski Dariusz et al. Peptic ulcer perforation in hiatal hernia... Endoscopy 2014; 46: E423