Single-balloon endoscopy to remove a migrated esophageal stent in the small bowel

A 49-year-old woman was admitted to the hospital emergency department having had abdominal pain for 16 hours. She had previously undergone placement of a fully covered anti-reflux metal stent to treat esophageal achalasia (achalasia of cardia). On physical examination, the abdomen was soft with normal bowel sounds. However, there was tenderness on deep palpation of the left lower abdomen. All laboratory test results were within reference ranges. An abdominal radiograph demonstrated an impacted metal foreign body in the left lower portion of the abdomen in a 49-year-old woman. There were no signs of pneumoperitoneum.

Fig. 1 Abdominal radiograph demonstrated an impacted metal foreign body in the left lower portion of the abdomen in a 49-year-old woman. There were no signs of pneumoperitoneum.

Fig. 2 The stent was found approximately 150 cm from the pylorus.

Fig. 3 The stent was grasped with a snare.

Fig. 4 Retrieved stent.

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Most ingested foreign bodies will be asymptomatic and pass through the gastrointestinal tract without complication or medical intervention [1–3]. Certain foreign bodies, however, such as sharp, pointed, or corrosive objects, have been typically associated with perforation. The initial diagnosis of foreign body ingestion may be difficult in the absence of a witness, and the presentation of perforation in such a case may be difficult to distinguish from other causes of acute abdomen. The management of asymptomatic foreign bodies is variable and has been generally dictated by the site, type of foreign body, and anticipated likelihood of complications. If symptoms occur or there is concern regarding potential complications then removal is undertaken. Options for removal include endoscopy and surgery [4]. Laparoscopy has an important emerging role in both the diagnosis and the surgical management of ingested foreign bodies [5].

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Na Li, Xiao-jun Zhao, Hai-hong Wang, Xin Wang, Jian-qiu Sheng
Department of Gastroenterology, The Military General Hospital of Beijing PLA, Beijing 100700, P. R. China

References

Bibliography
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Corresponding author
Jian-qiu Sheng, MD
Department of Gastroenterology
The Military General Hospital of Beijing PLA
Nanmencang 5#, Dongcheng District
Beijing 100700
P. R. China
Fax: +86-10-66721299
jianqiu@263.net