Bezoar formation and obstruction caused by a surgical nylon thread after gastric bypass surgery

A 58-year-old man presented with postprandial pain that radiated to the right shoulder and right flank. He had undergone a laparoscopy-assisted distal gastrectomy with Billroth II anastomosis 2 months previously for Borrmann type III advanced gastric cancer. The operation had been uneventful and he had been discharged without any complications. However, about a week after being discharged he developed abdominal discomfort that worsened after eating. Because of the progressive postprandial abdominal pain, which was unrelated to gastric dumping syndrome or blind loop syndrome, his oral intake had reduced and he had lost 6 kg since the time of the operation.

When he was seen again, his physical examination revealed mild epigastric tenderness. His chest and abdominal radiographs were normal and an abdominal ultrasound was also unremarkable. His laboratory tests were all normal except for mild anemia.

An upper gastrointestinal endoscopy was therefore performed to evaluate the cause of his abdominal pain. During this procedure, a remnant nylon thread that looked quite taut was seen leading into the efferent loop from the site of the anastomosis. When the thread was pulled back into the gastric lumen using biopsy forceps, food material was found stuck to the end. Linear ulceration was noted along a line where the thread had compressed and eroded the mucosa of the efferent loop. The thread was then removed from the site of the anastomosis using biopsy forceps and the bezoar was then removed with a net. After the thread and attached bezoar had been removed, the patient no longer complained of postprandial pain.

Endoscopy_UCTN_Code_CPL_1AH_2AK

Competing interests: None

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Bibliography
DOI http://dx.doi.org/10.1055/s-0033-1344991
Endoscopy 2013; 45: E412
© Georg Thieme Verlag KG Stuttgart - New York
ISSN 0013-726X

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