

## Retrieval of a bread bag clip from the duodenum

A 73-year-old woman presented with iron deficiency anemia and melena. Biochemical parameters revealed a hemoglobin of 77 g/L and urea 8.5 mmol/L with normal renal indices. She was transfused with 2 units of red blood cells. Gastroscopy revealed a bread clip embedded in D1 (showing the date Friday, 13 April;

► **Fig. 1**), pinching the distal and proximal duodenal roof fold and dangling like an earring. Attempts to remove the clip by crushing with grasping forceps, cutting with a needle-knife device, and snapping with snare were unsuccessful. A gastric band cutter (Endotherapeutics, Sydney, Australia) was employed endoscopically. The cutting wire was threaded between the bread clip and the duodenum (► **Fig. 2**), and the free end was retrieved and locked into the ratcheting device, forming a loop. Tightening of the loop resulted in the wire snapping the clip, which was then retrieved orally (► **Fig. 3**).

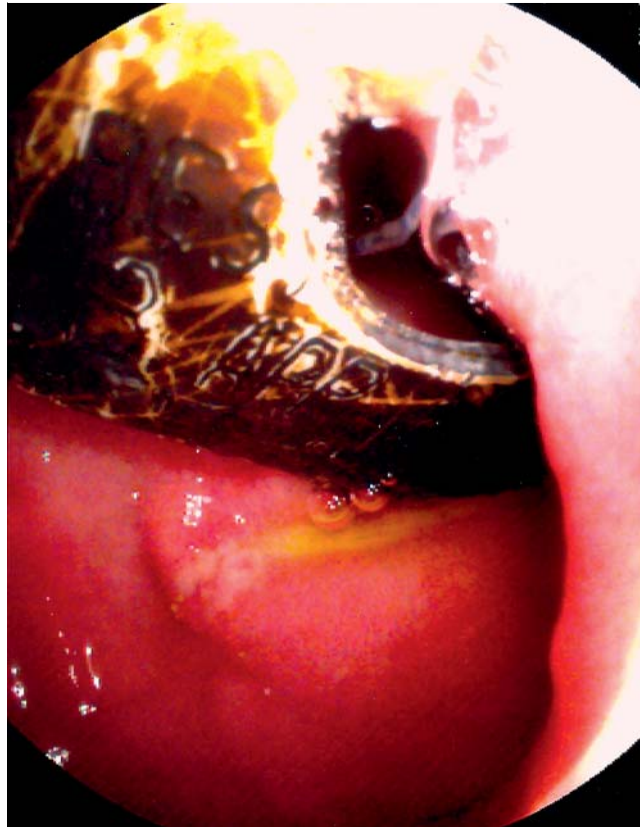
Only 21 cases of bread clip ingestion have been reported since 1975. Most cases present as small-bowel perforation requiring bowel resection [1]. Bread clips are made of plastic and are therefore non-degradable. With an aging population, we postulate that such cases will be increasingly seen [2]. The shape of the clip results in a traplike effect, which prevents easy removal once it is embedded [3]. Endoscopic removal of embedded foreign bodies can require taking a unique approach. This is the first reported case of the use of a gastric band cutter to divide an embedded foreign body followed by successful retrieval.

Endoscopy\_UCTN\_Code\_TTT\_1AO\_2AL

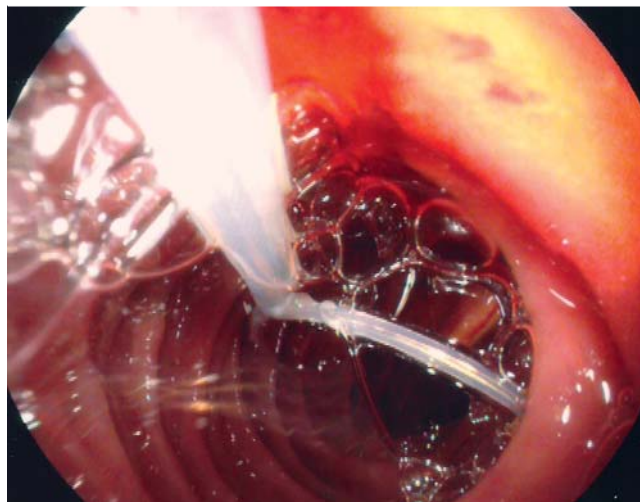
**Competing interests:** None

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**Fig. 1** Bread clip embedded in first part of duodenum in a 73-year-old woman presented with iron deficiency anemia and melena. There is linear erosion on the posterior wall.



**Fig. 2** The cutting wire was fed down the duodenum.



**Fig. 3** The bread clip was divided and then retrieved orally.

### References

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- 2 *Beer T.* Fatalities from bread tag ingestion. *Med J Aust* 2002; 176: 506
- 3 *Tang A, Kong A, Walsh D et al.* Small bowel perforation due to a plastic bread bag clip: The case for clip redesign. *ANZ J Surg* 2005; 75: 360–362

### Bibliography

**DOI** <http://dx.doi.org/10.1055/s-0032-1325975>  
*Endoscopy* 2013; 45: E309–E310  
© Georg Thieme Verlag KG  
Stuttgart · New York  
ISSN 0013-726X

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