

Management of postendoscopic sleeve gastroplasty abscess

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Endoscopic sleeve gastroplasty (ESG) is a minimally invasive, endoscopic bariatric therapy that results in significant and durable weight loss. The procedure is generally safe, with major adverse events occurring in less than 2% to 3% of cases.

CASE DESCRIPTION

We present the case of a 46-year-old man with a history of class III morbid obesity, ulcerative proctocolitis, and prediabetes who underwent ESG for management of his obesity (Video 1; available online at www.VideoGIE.org). His pre-ESG weight was 298 pounds, with a body mass index of 42.8 kg/m². The ESG was performed uneventfully. However, owing to dietary indiscretion 6 days after the procedure, he experienced a leak complicated by symp-

tomatic perigastric abscess and left pleural effusion. CT evaluation with oral contrast material and an upper-GI series with gastrograffin did not demonstrate extravasation of the contrast material. Because of his progressive symptoms, the perigastric abscess was assessed with EUS (Figs. 1 and 2) and successfully internally drained by use of a wire-guided 10F double-pigtail plastic stent through

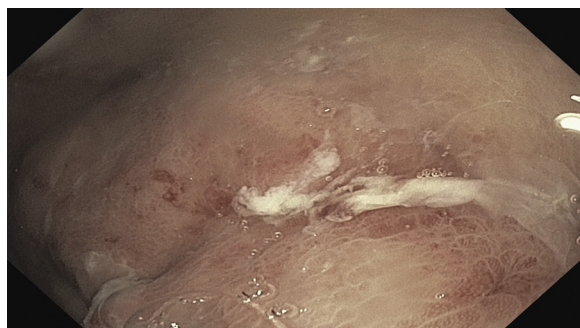


Figure 1. Purulent drainage from fistula.

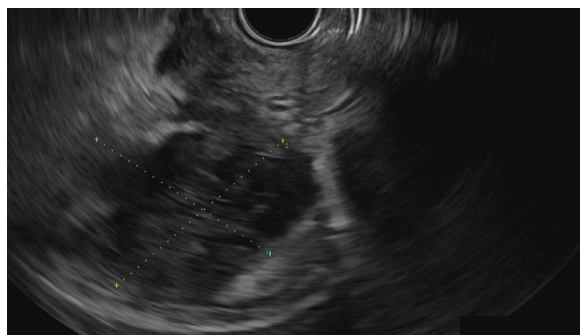


Figure 2. EUS image of perigastric abscess.

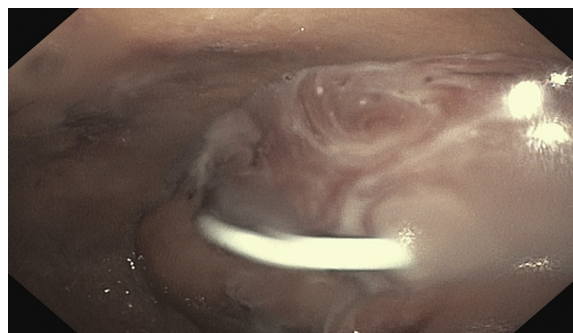


Figure 3. Cystgastrostomy stent.



Figure 4. CT image showing perigastric abscess resolution.

a transgastric approach (Fig. 3). Follow-up imaging demonstrated complete resolution of the abscess, and the stent was subsequently removed (Fig. 4).

The patient is currently doing well 6 months after ESG and 5 months after successful drainage of the perigastric abscess. He has had a weight loss of 38 pounds (12.7% total body weight loss), and his current body mass index is 36 kg/m².

CONCLUSION

Post-ESG abscess occurs in less than 2% to 3% of published ESG cases and frequently follows dietary indiscretion within the first 2 weeks after the procedure. Endoscopic transgastric drainage is an effective, minimally invasive option for the management of post-ESG abscess.

DISCLOSURE

Dr Chapman is a consultant for Apollo Endosurgery, Inc. The other author disclosed no financial relationships relevant to this publication.

Abbreviation: ESG, endoscopic sleeve gastropasty.

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