

Introduction

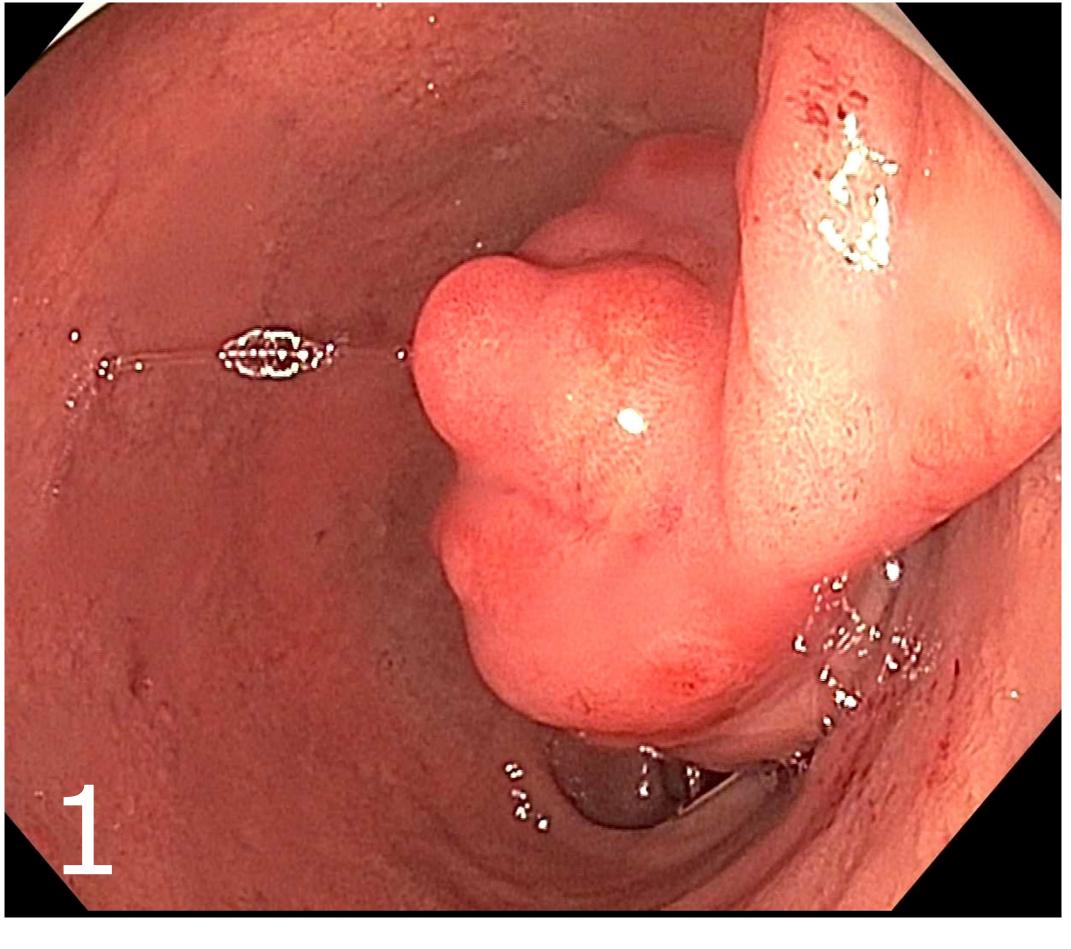
Brunner's gland hamartoma is a rare benign duodenal tumor. It is usually found incidentally on the esophagogastroduodenoscopy (EGD), but some patients present with gastrointestinal bleeding.

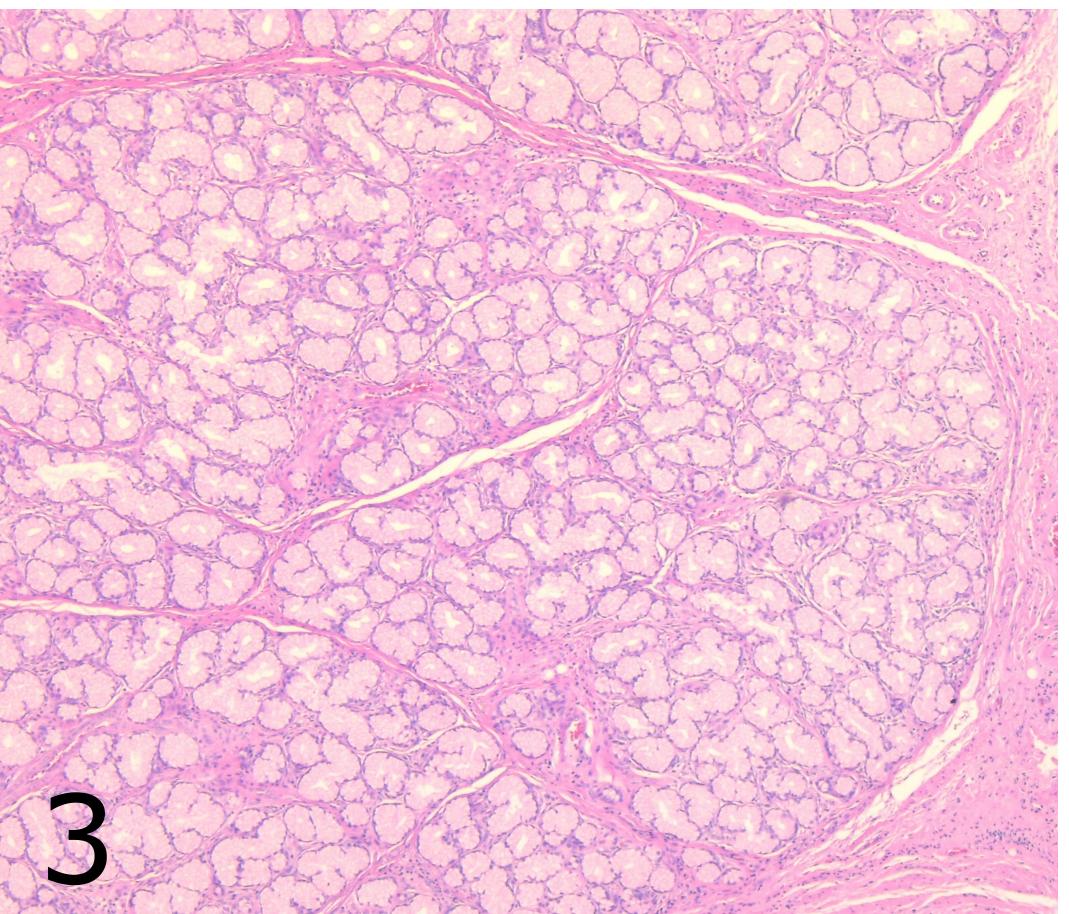
Case Description

- A 77-year-old man with hypertension presented with melena and LUQ pain for 4 months.
- No nausea, vomiting, weight loss, or diarrhea. Denies NSAIDs.
- Physical examination and lab tests were normal.
- EGD showed a single 30 mm pedunculated polyp with no bleeding in the duodenal bulb (Figure 1).
- EUS showed a 24.2x16.7 millimeters, hypoechoic, homogeneous mass originating from the muscularis mucosa layer at the duodenal bulb with low flow on Doppler (Figure 2).
- En bloc endoscopic mucosal resection (EMR) of the mass was performed with endoloop placement followed by electrocauteryassistant resection.
- Histology showed hyperplasia of the Brunner's glands (Figure 3).
- Follow up EGD at 6 months showed no evidence of recurrence.
- Patient has not had and abdominal pain after the resection of the Brunner's gland hamartoma.

Brunner's gland hamartoma: a non-malignant cause of obscure bleeding Busara Songtanin, MD¹; Daoud Arif, MD²; Kanak Das, MD^{1,3}

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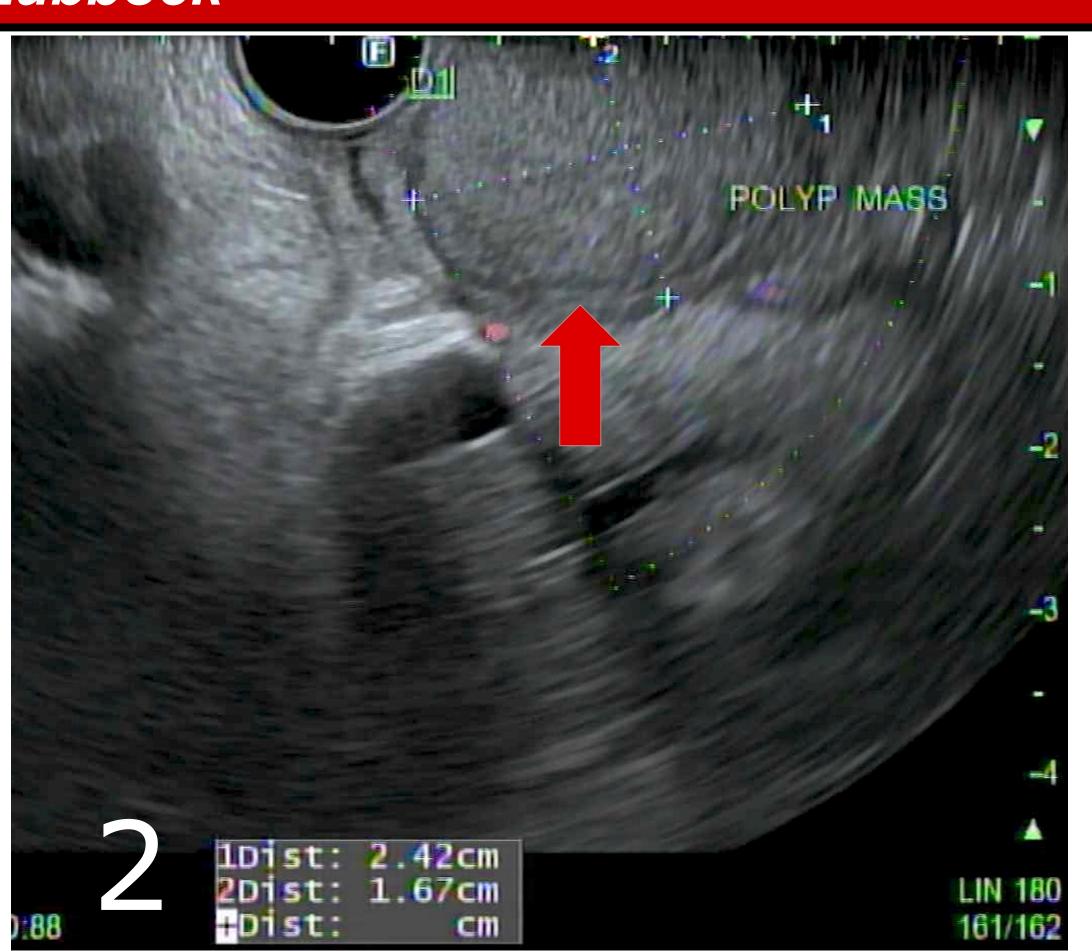


Conclusion

Brunner's gland hamartoma is a rare benign duodenal tumor. Patient can be asymptomatic at presentation. The diagnosis relies on endoscopic finding and imaging.

References:

- journal/Fulltext/2020/12240/A case report of endoscopic resection for the.3.aspx).



Discussion

- an estimated incidence of 0.008%.
- imaging or EGD.
- symptoms.
- vascularity.

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Figure 1: EGD showed a single 30mm pedunculated polyp at the duodenal bulb.

Figure 2: EUS showed 24.2x16.7 mm, homogenous mass at the duodenal bulb.

Figure 3: Histopathology (H&E stain) showing hyperplasia of the Brunner's glands.

• Brunner's gland hamartoma is an extremely rare duodenal tumor with

• The majority are asymptomatic and have an incidental finding from

• Patients can present with gastrointestinal bleeding or obstructive

• EUS should be performed to assess the lesion as well and its

• Endoloop placement prior to EMR should help prevent significant bleeding during the resection of the lesion as described in our case. • Malignant potential has been reported to be extremely rare, but dysplastic changes and invasive carcinoma can be seen.

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