A 47-year-old man was referred to North Hospital with a 2-month history of recurrent occlusive syndrome. Findings on computed tomography scan (Fig. 1) and endoscopy led to a diagnosis of duodenal invagination and partial duodenal atresia. Endoscopic therapy was performed (Video 1). In the first endoscopic step (Fig. 2), two 12/6 t over-the-scope clips (OTSC; Ovesco AG, Tübingen, Germany) were deployed within the invagination in order to induce necrosis of the mucosa and fibrosis of the submucosa. A fully covered metallic stent 12×2 cm (TaeWoong, Gyeonggi-do, South Korea) was placed from the bulb to the third duodenal portion, and fixed with two clips (Instinct; Cook, Bloomington, USA).

In the second step 6 weeks later, the stent was retrieved, and migration of the OTSCs was confirmed. Necrosis of the duodenal folds was also apparent. A mucosal protrusion remained, affecting one-third of the duodenal circumference. Thus, an endoscopic mucosectomy was performed (the mucosa was found to be histopathologically normal) (Fig. 3). A new similar metallic stent was inserted and fixed in place with clips.

In the third and final procedure 8 weeks after the previous step, the stent was removed and an inflammatory area was dilated using an 18–20 mm controlled radial expansion balloon (CRE; Boston Scientific, Marlborough, USA). A mucosectomy of an invaginated growth involving one-quarter of the circumference of the second duodenal portion completed the procedure (Fig. 4), resulting in complete patency of the duodenal lumen.

At 3-month follow-up, symptom remission had been achieved: the patient had not suffered new occlusive episodes, had not required emergency department admission, and had no abdominal distension.

**Competing interests:** None
Fig. 3 Second step of endoscopic treatment, 6 weeks after the procedure shown in Fig. 2. Endoscopic mucosal resection of a mucosal protrusion affecting one-third of the duodenal circumference.

Fig. 4 Third and final step of endoscopic treatment, 8 weeks after the procedure shown in Fig. 3. Endoscopic mucosal resection of an invaginated growth involving one-quarter of the circumference of the second duodenal portion, and complete patency of the duodenal lumen at the end of treatment.