A 52 year old man was referred with an ampullary lesion and a minor gastrointestinal (GI) bleed. Upper GI endoscopy showed an ulcerated ampullary mass (▶Fig. 1). Mucosal biopsy revealed an ampullary adenoma. Endoscopic submucosal dissection (ESD) was planned. First, endoscopic retrograde cholangiopancreatography (ERCP) with pancreatic duct stenting was performed (▶Video 1). Markings were made at the proximal part of the lesion. A submucosal injection of methylene blue was performed, followed by mucosal incision using a J-knife. After the lesion had been partially dissected by ESD, multiple large feeding vessels were encountered in the submucosal space (▶Fig. 2a). Achievement of hemostasis was difficult and the endoscopic field was repeatedly compromised (▶Fig. 2b). We therefore switched to the endoscopic mucosal resection (EMR) technique. A 30-mm snare was advanced over the mass (▶Fig. 2c). After 1 minute of alternating coagulation (forced coagulation, effect 4.5) and cutting (Endocut Q, effect 3) current, the mass, which measured 4 cm in length (▶Fig. 2d), was completely resected. New plastic stents were placed in the pancreatic and bile ducts, and the patient recovered uneventfully. Histopathology of the resected specimen showed a neuroendocrine tumor (NET) (▶Fig. 3). A positron emission tomog...
raphy (PET) scan showed no residual lesion or metastasis. The patient was asymptomatic at 9 months after the resection. Duodenoscopy showed no recurrence (▶ Fig.4) and repeat ampullary biopsies showed no residual tumor. Duodenal ESD is deemed risky for lesions larger than 2 cm [1, 2]; however, it is safe and effective in experienced hands. Here, we describe a novel hybrid ESD–EMR technique for a large vascular ampullary lesion. To our knowledge, this is the first case of an ampullary lesion resected using this combined technique. This may be useful for vascular subepithelial lesions such as NETs or those with submucosal fibrosis, where submucosal dissection cannot be completed owing to safety or visibility issues.

**Competing interests**

The authors declare that they have no conflict of interest.

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