Cervical esophageal adenocarcinoma arising from heterotopic gastric mucosa, treated with endoscopic submucosal dissection

Esophageal adenocarcinoma arising from heterotopic gastric mucosa (HGM) is extremely rare [1, 2]. We describe a case of esophageal adenocarcinoma arising from HGM in the cervical esophagus that was treated with endoscopic submucosal dissection (ESD).

A 58-year-old man found to have an esophageal tumor on endoscopy was referred to our hospital for further examination and treatment. Conventional endoscopy revealed circumferential HGM of the cervical esophagus and a 20-mm protruding lesion in the posterior wall. Poorly defined reddish mucosa surrounded the protruding lesion (Fig. 1a). Spraying with indigo carmine visualized the flat lesion in the reddish mucosa, but the demarcation line was unclear (Fig. 1b). Narrow-band imaging (NBI) revealed a clearly demarcated brownish area consistent with the reddish area (arrowheads) (Fig. 1c). Magnifying NBI revealed villous and glandular structures of various sizes and a dense distribution of abnormal capillaries (Fig. 1d).

Histologically, tumor cells showed well-differentiated adenocarcinoma in the muscularis mucosa (Fig. 2). Immunohistochemically, the tumor cells were positive for mucin (MUC) 2, MUC5AC, and MUC6.

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Competing interests

None
The authors

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Bibliography

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Video 1 Endoscopic submucosal dissection of cervical esophageal adenocarcinoma arising from heterotopic gastric mucosa.

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