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ORIGINAL ARTICLE – GASTROINTESTINAL ONCOLOGY

Transgastric Single-Incision Laparoscopic Resection for a Gastric Submucosal Tumor Located at the Cardia

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ABSTRACT

Introduction. Surgical treatment of gastric submucosal tumors (SMTs) located near the gastroesophageal junction can be technically challenging, especially regarding preservation of the integrity and function of the lower esophageal sphincter. We introduce a novel minimally invasive surgery, successfully performed in a patient with a gastric SMT located at the cardia. A 24-year-old lady presenting with acid reflux for 1 year underwent esophagogastroscopy that showed a gastric SMT located at the cardia. Endoscopic ultrasonography showed a 20×19 mm homogeneous hypoechoic lesion originating from the muscularis propria layer. Transgastric single-incision laparoscopic resection of the tumor was performed.

Conclusion. Transgastric single-incision laparoscopic resection of gastric SMTs is technically feasible and safe. This presents an alternative surgical choice for resection for gastric SMTs located in difficult regions such as the fundus, cardia, or prepyloric antrum.

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