

Title:

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Endoscopic diverticulotomy on Zenker's diverticulum with Stag Beetle Knife Junior type endoscopic scissors. Safety profile in esophageal muco-myotomy

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Artificial intelligence: The authors declare that they did not use artificial intelligence (AI) or any AI-assisted technologies in the elaboration of the article.

The Stag Beetle (SB) Knife Junior endoscopic scissors are commonly used in submucosal dissections. Its small size allows for more precise cuts that can be useful for diverticula with short, wide septa. In these types of septa, a Zenker's peroral endoscopic myotomy (Z-POEM) technique may be considered, although its practicality is limited due to its complexity.

CASE REPORT

We present the case of a 64-year-old male with symptoms of dysphagia, diagnosed with a 2 cm deep Zenker's diverticulum. Thus, it was decided to perform an endoscopic

muco-myotomy of the diverticulum. First, the capped gastroscope was introduced and a guide was placed over the esophageal aspect after locating the diverticulum. Subsequently, endoscopic mucosectomy-myotomy was performed with SB Knife Junior type endoscopic scissors, which given its small size offers greater control in its management until the sectioned septum of the diverticulum is exposed. Finally, a hemoclip was placed in a central position over the myotomy. The procedure was performed without immediate complications. Throughout his evolution, the patient has remained asymptomatic with no evidence of endoscopic recurrence over the years.

The use of the SB knife junior scissors seems to offer an adequate safety profile for use in esophageal muco-myotomy, being a valid alternative to perform this technique.

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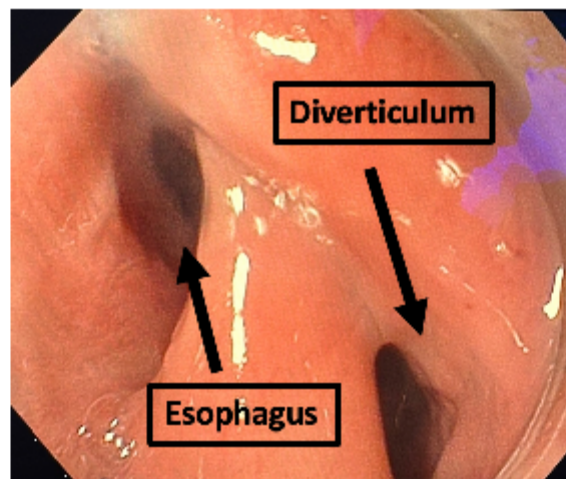


Fig. 1. Esophageal lumen and diverticulum.

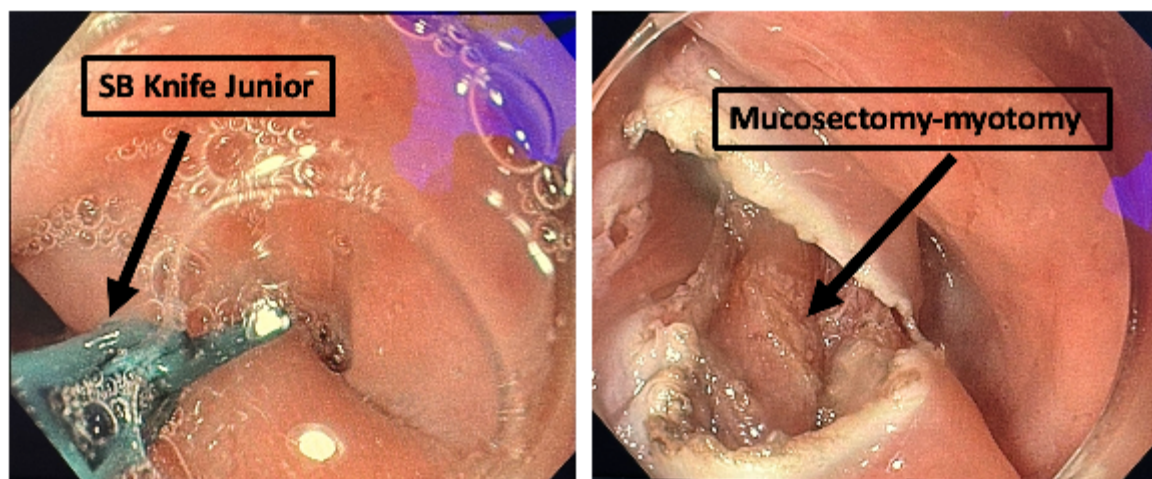


Fig. 2. Mucosectomy-myotomy using Stag Beetle Knife (SB Knife).

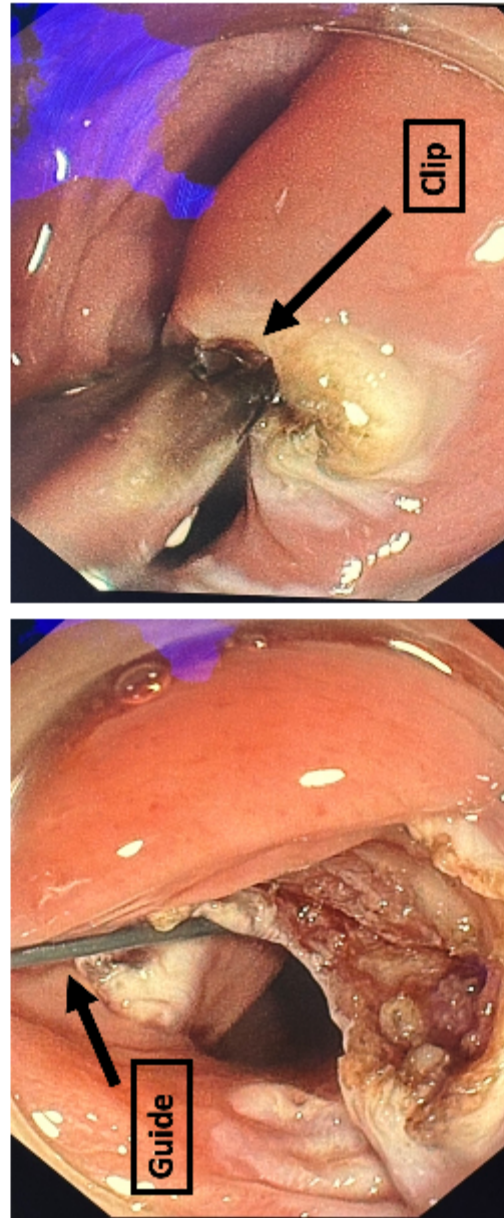


Fig. 3. Clip over the myotomy.