Endoscopic treatment of Zenker’s diverticulum by LigaSure scalpel

A transparent overtube usually used for injection sclerotherapy of esophageal varices (Kawano overtube, 16 mm diameter) was modified and used as a “duck-beak diverticuloscope.” The overtube allowed for excellent exposure of the septum and protection of the anterior esophageal and posterior diverticular walls, allowing the passage of the LigaSure scalpel (Fig. 2).

Diathermic monopolar current, argon plasma coagulation, laser, and coagulation with an ultrasonically activated scalpel (Harmonic scalpel; Ethicon EndoSurgery) have all been used for the endoscopic treatment of Zenker’s diverticulum with satisfactory results [1,2,4]. This case shows that endoscopic treatment of Zenker’s diverticulum using a LigaSure scalpel...
is a valid, easy, safe, and efficient alternative for treatment of a Zenker’s diverticulum. Therefore, this technique should additionally be considered for endoluminal, minimally invasive treatment of Zenker’s diverticulum.

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Competing interests: None

References

Fig. 4 Barium swallow after diverticulotomy showing no evidence of a contrast level within the diverticulum.