efficacy in benign conditions. Surgical approaches may carry a significant operative risk and result in postoperative morbidity. NG tube placement has been tried in immune-compromised patients however, it is often not tolerated. In addition, due to the potential physical contact of the catheter with the fistula, mucosal repair may not occur and can also be associated with gastro-esophageal ascending reflux/colonization along the nasogastric catheter. Enteral feeding with a PEG tube is helpful in immune-compromised patients, who may require a longer duration of medical treatment for healing of the fistula. Hemoclips may not allow for closure of large defects as they do not exert enough tensile force to keep large defects approximated. Glue, when used for closure of esophago-respiratory fistula may dislodge with cough. The OTSC system was offered for tuberculous esophago-bronchial fistula closure in our patient. This device is attached to a gastroscope and delivers an 11-mm, 12-mm, or 14-mm diameter clip capable of full thickness closure of the gut through tissue approximation. It workssimilar to a “bear trap” with the clip held open at the endof the endoscope. Upon release, the clip then closes backto its native clamshell shape.

Only a few case reports using OTSC for esophageal fistula closures have been reported previously. But there are no case reports for the use of OTSC system for tuberculous esophago-bronchial fistula to the best of our knowledge. In our case technical success was achieved without clinical success. The closure of chronic fistulae bears technical challenges resulting from inflammation-induced fibrotic tissue coating the orifice and inner layers of the fistula. In cases of persistent, highly fibrotic fistulae, complete closure may be a challenging task and this can be overcome by repeat OTSC procedures after initial technical or clinical failure, thereby increasing the success rate with second or third time clip placements. Our case suggests that closure of a tuberculous esophago-bronchial fistula using OTSC system may not result in clinical success.

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Lost in the Giant Diverticulum - A Turn in Time of Need

Zenker’s diverticulum (ZD) is a herniation of the posterior pharyngeal wall through a natural weakness between the inferior pharyngeal constrictor and the crico-pharyngeus muscle. It is the most common type of oesophageal diverticulum with a reported prevalence ranging between 0.01 to 0.11%. ZDs usually presents with

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dysphagia and regurgitation in middle-aged and elderly patients. Mediastinal extension of large ZD has rarely been described in literature.\(^1,^2,^3\) Esophageal intubation in patients with large ZDs is often very difficult. An endoscope may not be able to pass through the esophageal inlet into the stomach because of esophageal compression and deviation. Visualisation of the esophageal inlet is sometimes not possible using traditional endoscopy in the left lateral position. In the supine position, we performed a successful endoscopic esophageal intubation in an elderly patient with a giant ZD. We also report one of the largest cases of ZD extending into the mediastinum up to the level of the aortic arch.

**Case Report**

A 70-year-old female presented with dysphagia, weight loss and cachexia. Haemogram showed nutritional anaemia. Barium oesophagogram and CT-scan (**Figure 1**) demonstrated a massive ZD (Size 10.18 x 6.52 cm) extending into the mediastinum and reaching up to the level of the aortic arch. Contrast was barely visible in the oesophageal lumen. Attempts at endoscopy tried by other endoscopists were unsuccessful and therefore, the patient was referred to us. At our centre, endoscopy attempts in left lateral decubitus were unsuccessful due to preferential passage of the endoscope into the diverticulum. The patient was then turned to the supine position; slight angulation of the endoscope and a gentle pull back manoeuvre (nearly similar to ileocecal valve intubation) in the diverticulum was done to locate the oesophageal inlet (EI). We succeeded in visualisation of the EI and oesophageal intubation (**Figure 2,3**). We did not use sedation to reduce the risk of aspiration. A nasogastric tube was inserted (over a guide wire) into the stomach. However, the patient refused treatment and was lost to follow-up.

**Discussion**

ZD usually presents with dysphagia and regurgitation of retained food. It can also presents with weight loss, halitosis, and recurrent aspiration pneumonia. Large ZD can very rarely extend deep into the mediastinum.\(^1,^2,^3\)
These cases can rarely present with haemorrhage due to vascular erosion in the mediastinum.\textsuperscript{2} Cases of massive ZD extending into mediastinum and pressing against the aortic arch have rarely been reported.\textsuperscript{3}

A large ZD forms in the midline (posterior to the oesophagus) and compresses the oesophagus. Therefore, visualisation of the EI and gastroscopy is sometimes not possible doing endoscopy in left lateral decubitus position.\textsuperscript{4} Compression of the oesophagus is reduced in the supine position and this facilitates the visualisation of the EI and esophageal intubation. There are a few methods that have been described for esophageal intubation in difficult cases of ZD.\textsuperscript{5,6,7} Under direct vision the catheter and guide wire can be advanced through the channel of the endoscope into the EI followed by insertion of the endoscope over the catheter/guide wire (where the EI is visualised).\textsuperscript{5,6,7} Swallow-assisted advancement of the catheter/wire blindly into the EI followed by insertion of the endoscope has been described in cases of non-visualisation of the EI.\textsuperscript{5}

ZD is classified as small (< 2 cm), medium (>2 cm) and large (> 4-6 cm).\textsuperscript{1} Pouches of size larger than 10 cm are described as giant ZD.\textsuperscript{4} Treatment is recommended for symptomatic patients and requires myotomy of the cricopharyngeus muscle. Myotomy can be done by endoscopic or surgical methods. Endoscopic transoral cricopharyngeal myotomy performed with a laser or stapler is indicated for ZD of medium size. Surgical cricopharyngeal myotomy with either diverticulectomy or diverticulopexy, via open or minimally invasive approach are usually reserved for larger ZDs.

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