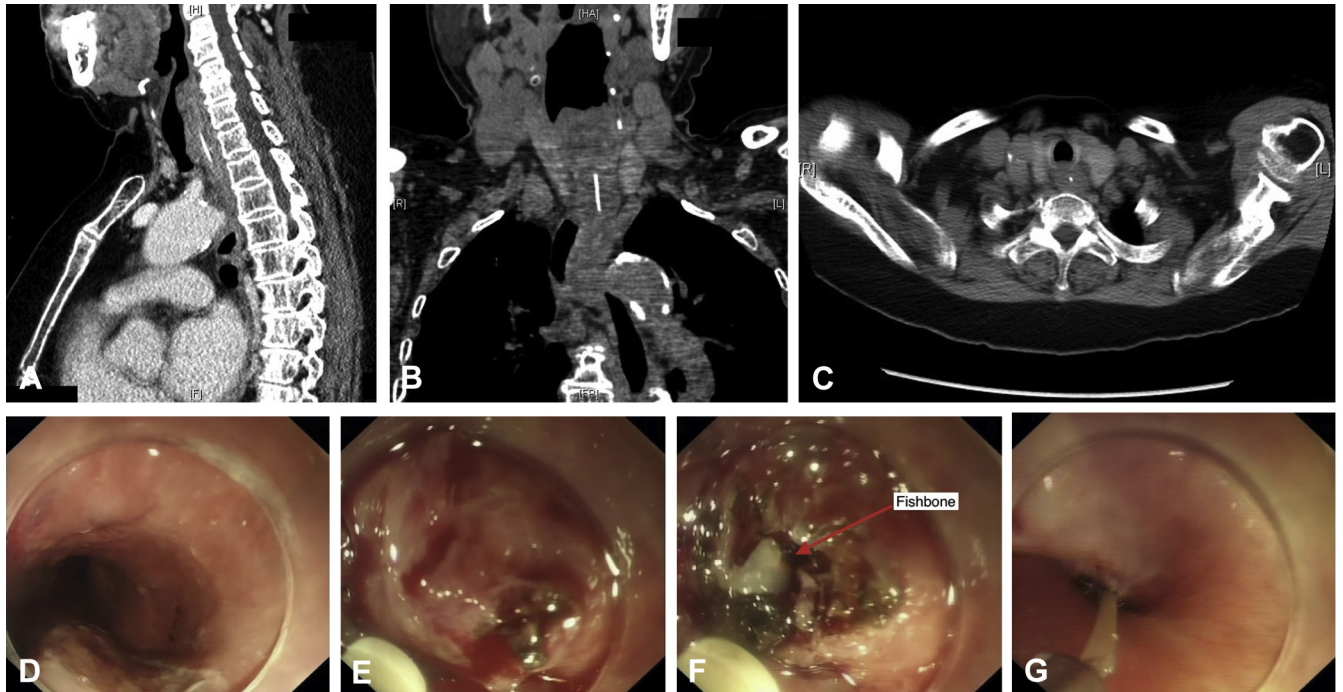


## Removal of submucosal embedded fish bone in the esophagus with endoscopic submucosal dissection



**Figure 1.** A, Axial, B, coronal, and C, sagittal CT views of a foreign body in the esophagus. D, Submucosal bulge at the proximal esophagus. E, Mucosal incision with endoscopic submucosal dissection knife. F, Fish bone emerging from the submucosal level. G, Fish bone retrieval with forceps.

If a foreign body is deeply embedded into the wall of the esophagus after accidental ingestion, surgical exploration for removal and repair is usually required. We report a rare case of foreign body embedment in the esophageal wall and its successful removal by endoscopic submucosal dissection (ESD). A 77-year-old woman presented with odynophagia after fish bone ingestion. Initial endoscopy showed a hematoma 1 cm below the cricopharynx, but the foreign body was not identified. A CT scan revealed a 2-cm linear foreign body at the cervical esophagus. Repeated endoscopy showed a 2-cm submucosal bulge at the cervical esophagus. After submucosal injection of a mixture of normal saline solution and indigo carmine, a mucosal incision was created with an ESD knife. The fish bone was then identified at the submucosal plane of the esophagus and was removed with forceps (Fig. 1; Video 1, available online at [www.VideoGIE.org](http://www.VideoGIE.org)). The mucosal defect was closed with endoscopic clips. The patient recovered uneventfully after the endoscopic procedure. ESD was used in this case for removal of an esophageal foreign body, avoiding the need for surgical exploration of the esophagus. With increasing experience

and further maturity of the technique, a wider variety of clinical conditions could be tackled with endoscopic surgery.

### DISCLOSURE

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Written transcript of the video audio is available online at [www.VideoGIE.org](http://www.VideoGIE.org).