Cannulation is difficult in patients with periampullary diverticulum (PAD). The described success rate varies from 61% to 95.4%, which is significantly lower than that observed in patients without PAD [2].

Cannulation of intradiverticular papilla is challenging and time consuming. The majority of failures occur due to the inability of the endoscopist to locate the papilla [3]. Various methods have been described in literature for overcoming this difficulty. Use of biopsy forceps to pull the duodenal mucosa adjacent to the papilla is useful to bring the papillary orifice out of the diverticulum. Another instrument, either a cannula or sphincterotome, can then be introduced and biliary cannulation can be attempted with the coordination of the two instruments [4]. Use of reversed guidewire method [5], double endoscope method [6], balloon dilatation of the diverticular neck [7], endoclip or cap assisted cannulation [8, 9], prior pancreatic duct stenting [10], and use of rendezvous technique [11, 12] have been described in the literature.

Over the last few years, we too have encountered such difficult cannulations in our department. In our last four cases with PAD, despite repeated attempts, we were unable to locate the papilla and cannulate. To overcome this difficulty, we used SpyBite forceps (Boston Scientific) to pull out the papillary orifice and then perform the cannulation using a sphincterotome introduced through the same working channel. This was done as per previous reports in literature on the use of biopsy forceps for such difficult cannulations [4]. No prior consent for the same was taken from patients and the Ethics Committee was intimated regarding the procedure. This method reduced the time required for cannulation. In all four of our cases, we had 100% success in cannulation. Moreover, the diameter of the...
SpyBite forceps was 1 mm, which was much less than standard biopsy forceps, and this eases the manoeuvrability of the accessories to have a higher chance of cannulation. Figure 1 shows simultaneous introduction of SpyBite miniforceps for holding and a sphincterotomy for cannulation in one of our cases.

To conclude, use of SpyBite miniforceps in difficult cannulations in patients with PAD is useful and has an excellent success rate.

Disclosure

Authors report no conflict of interest.

References