Diagnostic esophagogastroduodenoscopy has recently been performed using new sterile single-use disposable endoscopes (Ambu aScope Gastro; Ambu, Ballerup, Denmark) (Fig. 1) due to the potential risk of cross-infection associated with reusable endoscopes [1,2].

N-butyl cyanoacrylate (NBCA) is used for emergency endoscopic hemostasis in cases of gastric and ectopic varices [3,4]. However, one of the complications associated with the use of NBCA during sclerotherapy is its adhesion to the endoscope, which causes critical damage to the endoscope and incurs high repair costs. In addition, the puncture site can overlap with the endoscope on the fluoroscopic images during sclerotherapy.

We report two cases in which sclerotherapy was performed using the Ambu aScope Gastro for treating gastric and jejunal varices (Video 1).

Case 1 is of a 65-year-old man who was referred for the treatment of gastric varices due to alcoholic cirrhosis. The gastric varices were punctured using a 23-G esophageal varices puncture needle (Sumitomo Bakelite., Tokyo, Japan) (Fig. 2). Under fluoroscopic guidance, 1.6 mL of 75% NBCA (NBCA:lipiodol ratio 3:1) was injected. A small quantity of NBCA adhered to the endoscope after the procedure.

Case 2 is of a 76-year-old man who was referred by a surgeon following pancreaticoduodenectomy for an intraductal papillary mucinous adenoma because of suspected bleeding from jejunal varices formed at the site of choledocho-jejunostomy. The jejunal varices were punctured using a 23-G esophageal varices puncture needle. Under fluoroscopic guidance, 2 mL of mixture of 60% NBCA (NBCA:lipiodol ratio 3:2) was injected. The transparency of the soft tissue scope enabled easy confirmation of the flow and polymerization of the sclerosing agent on fluoroscopic images.

These cases demonstrate the successful use of sclerotherapy with NBCA using...
the Ambu aScope Gastro. This single-use disposable endoscope prevents the need for costly endoscope repair following NBCA adhesion and provides excellent visibility on fluoroscopic images.

Conflict of Interest

The manufacturer of Ambu aScope Gastro, Ambu K.K., provided the endoscope free of cost.

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Fig. 3 Use of Ambu aScope Gastro for jejunal variceal sclerotherapy. a Jejunal varices formed at the site of choledochojejunostomy (arrow). A biliary stent was implanted for biliary strictures (arrowhead). b Jejunal varices were punctured with a 23 G needle. c, d Radiolucent tip of the endoscope allows easier evaluation of contrast flow (arrow, endoscope).