Endoscopic treatment of colonic diverticular bleeding using an over-the-scope clip

A 73-year-old woman who was receiving dual antiplatelet therapy (acetylsalicylic acid and prasugrel) after coronary stenting presented with severe hematochezia. Immediate colonoscopy without bowel preparation, using a CF-HQ190 colonoscope (Olympus Medical Systems, Tokyo, Japan) with a transparent cap (D-201-14304, Olympus), revealed active and sustained bleeding from a sigmoid diverticulum (GIB) [4]. Only a few case reports have described the use of OTSCs for diverticular hemorrhage. Gastrointest Endosc 2012; 75: 382 – 387

Endoscopic view showing active bleeding from a sigmoid diverticulum, which is stopped immediately by the placement of an over-the-scope clip (OTSC).

The OTSC system has been developed for closure of perforations, leaks, and fistulas. Recently OTSCs have also been shown to be a highly effective treatment option for patients with severe GIB as a rescue therapy, but also for first-line treatment. Data from clinical studies show that OTSCs are mainly restricted to nonvariceal upper GIB with limited data available on lower GIB [4]. Only a few case reports have described the use of OTSCs for diverticular bleeding in the duodenum and the colon [4, 5]. Our case demonstrates that the OTSC system is an effective and easy-to-handle first-line treatment for severe colonic diverticular hemorrhage.

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Competing interests: None

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Fig. 1 Endoscopic views showing: a active diverticular bleeding in the sigmoid colon; b a conventional endoclip in place to mark the bleeding region; c the over-the-scope clip (OTSC) in position, which led to immediate hemostasis after its release.