Endoscopic variceal band ligation (EVBL)-induced ulcer bleeding is a known serious complication of banding, with a prevalence of 2.8%–15% and a mortality rate up to 52% [1–3]. Treatment options are limited. Several modalities have been reported including EVBL, cyanoacrylate injection, argon plasma coagulation, Sengstaken-Blakemore tube, and hemo-static spray, with variable treatment success [2,4]. Herein, we present a case using an over-the-scope clip (OTSC) as salvage therapy in a patient with refractory bleeding from EVBL-induced ulcer despite standard endoscopic treatment.

A 51-year-old man presented with esophageal variceal bleeding with hemorrhagic shock. He had a history of decompensated alcoholic cirrhosis (Child–Pugh Class B) and had undergone EVBL 3 weeks earlier for primary prophylaxis at an outside institution. Bleeding had persisted despite EVBL, selective angiogram with embolization, and transjugular intrahepatic portosystemic shunt. He was transferred to our hospital with an esophageal balloon tamponade tube. Upon arrival at our intensive care unit, the balloon tamponade tube was removed and upper endoscopy showed a large amount of blood clot in the esophagus, three columns of small esophageal varices, and multiple band ulcers from prior EVBL in the distal esophagus. There was a visible vessel at one of the band ulcers, which was thought to be the source of bleeding (▶Fig. 1). A 12-mm OTSC (Ovesco Endoscopy AG, Tübingen, Germany) was mounted onto the gastroscope and deployed at the visible vessel, resulting in hemostasis (▶Fig. 2, ▶Video 1). He had no recurrent bleeding over a 4-month follow-up period.

In conclusion, OTSC for the management of recalcitrant EVBL-induced ulcer bleeding is effective and may be considered as salvage therapy for this fatal condition, especially in cases where a target source of bleeding can be identified, such as a visible vessel of the band ulcer.

The authors

Chawin Lopimpisuth, Tossapol Kerdspirichairat, Mirmilad Pourmousavi Khoshknab, James P. Hamilton, Saowanee Ngamruengphong
Division of Gastroenterology and Hepatology, Johns Hopkins University, Baltimore, Maryland, United States

Competing interests

Dr. Ngamruengphong is a consultant for Boston Scientific.
Corresponding author

Saowanee Ngamruengphong, MD
Division of Gastroenterology and Hepatology, Johns Hopkins Medicine, 4940 Eastern Avenue, A Building, 5th Floor, A-501, Baltimore, MD 21224, United States
Fax: +1-410-550-7861
sngamru1@jhmi.edu

References


Bibliography

DOI: https://doi.org/10.1055/a-0983-8230
Published online: 21.8.2019
Endoscopy 2020; 52: E33–E34
© Georg Thieme Verlag KG
Stuttgart · New York
ISSN 0013-726X

Endoscopy E-Videos is a free access online section, reporting on interesting cases and new techniques in gastroenterological endoscopy. All papers include a high quality video and all contributions are freely accessible online.

This section has its own submission website at
https://mc.manuscriptcentral.com/e-videos