Successful treatment with an over-the-scope clip of Dieulafoy's gastric lesion resistant to conventional endoscopic treatment

Dieulafoy's lesion is a rare vascular abnormality in which a minute mucosal defect in an ectatic submucosal artery can be the cause of massive gastrointestinal hemorrhage [1].

A 69-year-old woman with history of hypothyroidism attended our endoscopic unit because of an episode of melena. Blood examination showed hemoglobin 7.0 g/dL and an esophagogastroduodenoscopy (EGD) was carried out, which showed a Dieulafoy's bleeding lesion in the proximal third of the posterior wall of the gastric body. The lesion was treated with epinephrine injection and application of two metallic clips. The patient also received blood transfusion and 2 days after the endoscopic procedure she was discharged. However, the patient attended the emergency room 3 days later because of a new episode of melena and blood examination showed hemoglobin 7.1 g/dL. After three blood transfusions the patient underwent a second EGD, which completely stopped the bleeding (Video 1). Because of her poor clinical condition, the patient was transferred to the intensive care unit, and 4 days later had another episode of melena with hemorrhagic shock.

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Competing interests: None

Video 1
Application of an over-the-scope clip (OTSC) in a 69-year-old woman with an actively bleeding Dieulafoy's lesion.

B. Mangiavillano, M. Arena, E. Morandi, P. Viaggi, E. Masci
Gastrointestinal Endoscopy, Azienda Ospedaliera San Paolo Universitary Hospital-University of Milan, Milan, Italy

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Corresponding author
B. Mangiavillano
Gastrointestinal Endoscopy
Azienda Ospedaliera San Paolo University Hospital – University of Milan
Via A. di Rudinì n°8
20142 Milano
Italy
Fax: +39-02-81844647
b_mangiavillano@hotmail.com