A 77-year-old man with a 3-cm slightly elevated, nongranular type, laterally spreading tumor (LST-NG 0-IIa) of the sigmoid colon was referred to our institute for endoscopic resection (Fig. 1). Piecemeal underwater endoscopic mucosal resection (UEMR) was carried out with a high definition narrow band endoscope (CF-H190I; Olympus Europa SE, Hamburg, Germany). After UEMR, the margins were ablated using argon plasma coagulation. Histology revealed an adenomatous polyp with high grade dysplasia and free deep resection margins. Because of the patient’s need to resume antiplatelet therapy with clopidogrel, prophylactic closure of the resection site was carried out.

After water infusion, the resection borders “floated,” and there was a significant reduction in the size of the resection defect (Video 1). Opened biopsy forceps (Radial Jaw 4; Boston Scientific Corp, Natick, Massachusetts, USA), which were placed over the post-polypectomy ulcer before and after water infusion, clearly confirmed that there was a reduction in the size of the resection defect (Fig. 2).

In view of the downsizing, the underwater closure technique was applied. By “floating” the mucosa and submucosa away from the deeper muscularis layer [1], underwater closure allowed an easier apposition of the resection borders with complete closure of the resection defect using only two endoclips (Instinct clip; Cook...
Medical, Winston-Salem, North Carolina, USA) (Fig.3).

No large prospective randomized trials have assessed clip strategy, so it is unclear how effective a strategy of clip placement would be in preventing post-polypectomy bleeding [2]. The results from a recent retrospective study suggested that colonoscopists might want to consider prophylactic clip closure in cases they consider to be high risk, including those involving larger defects, large defects in the proximal colon, and larger defects in patients requiring re-anticoagulation or the use of antiplatelet agents such as clopidogrel [3]. Although this report does not provide any new information about the value of prophylactic clip placement, it shows how underwater closure may represent a new method of downsizing and “clip-saving.” This could help the endoscopist when a defect closure with border apposition is needed.

Endoscopy_UCTN_Code_TTT_1AQ_2AD

Competing interests: None

Gabriele Curcio, Antonino Granata, Dario Ligresti, Mario Traina
Endoscopy Service, Department of Diagnostic and Therapeutic Services, Mediterranean Institute for Transplantation and Advanced Specialized Therapies (ISMETT), Palermo, Italy

References
3 Liaquat H, Rohn E, Rex DK. Prophylactic clip closure reduced the risk of delayed post-polypectomy hemorrhage: experience in 277 clipped large sessile or flat colorectal lesions and 247 control lesions. Gastrointest Endosc 2013; 77: 401–417

Bibliography
DOI http://dx.doi.org/10.1055/s-0034-1392636
Endoscopy 2015; 47: E369–E370
© Georg Thieme Verlag KG Stuttgart · New York ISSN 0013-726X

Corresponding author
Gabriele Curcio, MD
Department of Diagnostic and Therapeutic Services
ISMETT
Via Tricomi 5
90127, Palermo
Italy
Fax: +39-091-2192400
gcurcio@ismett.edu