



Oesophageal stents with anti-migration design: Getting a grip on stent displacement

Philbin CA, Stivaros SM, Mullan D et al.

BSIR Annual meeting, Manchester, 13th to 15th Nov 2013

...All Ella-HV antireflux stents placed across the cardia over a 6 year period in a supraregional cancer centre were reviewed ... Outcome data were compared with national figures from the registry (Registry of Oesophageal Stenting - ROST) ... 32 stents procedures were included ... 6.3% (2/32) stents migrated (95%CI 0-21.2%) compared to 17.7% (109/615) in ROST 2 (p=0.046). Two stents remained in place, where a different stent had migrated previously ... In this small study the anti-migration design of the Ella-HV stent reduced the displacement rate by 60% compared to the national average...

A new design fully covered metal stent (SX-ELLA stent Esophageal HV) for the palliation of malignant dysphagia

Uitdehaag MJ, Spaander MCW, Vleggaar FP et al.

DDW Chicago; June 2009, Poster presentation

...45 patients with malignant dysphagia from inoperable or metastatic esophageal or gastric cardia cancer (n=43) or lung cancer (n=2) underwent placement of an SX-ELLA stent Esophageal HV ... At 4 weeks, dysphagia score improved from a median of 3 (liquids only) prior to stent placement to a median of 1 (ability to eat some solid food) (p<0.001). Twelve of 45 (27%) patients developed recurrent dysphagia, in 6 (13%) patients due to stent migration and in 2 (4%) due to tissue overgrowth ... Recurrent dysphagia due to tissue growth and stent migration was reduced compared with other currently available covered stents...

Insertion of Removable Self-Expanding Metal Stents as a Treatment for Postoperative Leaks and Perforations of the Esophagus and Stomach

Inbar R, Santo E, Subch AE et al.

Israel Medical Association Journal; 2011; 13: 230-233

...Between June 2009 and February 2010 ... the SX-ELLA esophageal stent was inserted in five patients ... the indications for stent insertion were postoperative leak in four patients and postoperative esophagopleural fistula in one patient. Three of the patients had a leak at the gastroesophageal junction following laparoscopic sleeve gastrectomy ... There were no documented complaints in any of the patients regarding dysphagia or chest pain ... Stents were removed electively after 6 to 7 weeks...

Combined use of fluoroscopically guided fibrin sealant and removable metallic stent for oesophageal leak/perforations

Swift AJ, Chiu K, Razack A.

European Society of Radiology, ECR Congress 2010, Poster No.: C-3312

...Four cases of oesophageal leaks/perforations treated by injection of fibrin-glue sealant and covered stent ... a removable covered metallic stent SX-ELLA HV oesophageal stent... following fibrin-glue injection, 3 of 4 cases showed complete occlusion of track ... one patient who had a > 2cm neck to the leak required two treatments using the same method before the leak was successfully treated ... all four patients were re-commenced on oral feeds and made a good recovery and the stents were removed between 6 and 8 weeks...

Safety and efficacy of self-expanding removable metal esophageal stents during neoadjuvant chemotherapy for resectable esophageal cancer

Pellen M. G. C., Sabri S., Razack A. et al.
Diseases of Esophagus; 2012; 25, 48–53

...Sixteen patients underwent esophageal stenting during neoadjuvant therapy ... tumors were located in the lower one third of the esophagus ... Stent migration was anticipated in response to tumor regression. Patients were counseled that this was a potential outcome and slippages were readily retrieved endoscopically or at operation ... Stents migrated during neoadjuvant therapy in 7/16 (43.8%) patients ... Outcomes in our series suggest that SERMS could be considered a safe and feasible alternative method of maintaining nutritional supplementation during neoadjuvant chemotherapy for stenosing esophageal cancers...

Stent-in-Stent Technique for Removal of Embedded Esophageal Self-Expanding Metal Stents

Hirdes MMC, Siersema PD, Houben MHMG et al.
American Journal of Gastroenterology (AJG) 2011; 106: 286-93

...Removal of embedded, partially covered SEMSs by induction of pressure necrosis using the stent-in-stent technique ... partially covered SEMSs were inserted for malignant (n = 3) or benign (n = 16) conditions and were left in situ for a median of 42 days (14 – 189) ... When SEMSs were found to be embedded, a fully covered self-expanding plastic stent (SEPS) or fully covered SEMS (SX-Ella)...was placed inside the partially uncovered SEMS. Subsequent removal of both stents was planned after a period of 10 – 14 days...

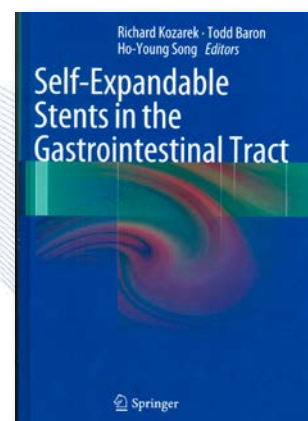
Self-Expandable Stents in the Gastrointestinal Tract

KOZAREK, Richard, Todd BARON and Ho-Young SONG. *Self-expandable stents in the gastrointestinal tract*. New York: Springer, 2012, p. cm. ISBN 978-146-1437-451.

In this textbook the HV Stent and HV Stent Plus* are mentioned for their flexibility, removability and especially for their antimigration features. Refer to pages 55 and 61-63. Also special features of the delivery system are mentioned at page 67 and 68.

...The Ella-HV stent (ELLA-CS) has forward facing wings around the circumference of the proximal stent end, resulting in a collar, which anchors it against the stenosis...

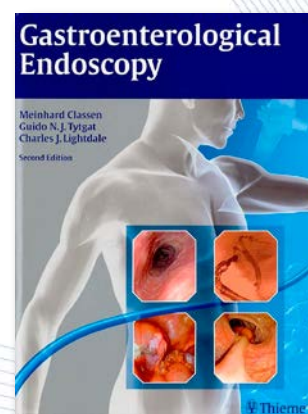
...Better conformability of a braided esophageal stent (HV stent) compared to a laser-cut stent...



Gastroenterological Endoscopy

CLASSEN, Meinhard, G TYTGAT and Charles J LIGHTDALE. *Gastroenterological endoscopy*. 2nd ed. New York: Thieme, c2010, xxvii, 824 p. ISBN 31-312-5852-7.

This renowned textbook is giving a list of standard nitinol esophageal stents on the page 35. The HV stent is listed as well as other products of the ELLA-CS company.



*In above mentioned publications various names of the HV Stent Plus are used of which some represent former design of the stent (HV Stent) and some are just incomplete designation (SX-ELLA esophageal stent) of the ELLA CS most popular multi-purpose esophageal stent. The current version - HV Stent Plus - retains all valuable qualities of former design adding the advantage of durable silicone covering.

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