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Tips and tricks: How to mount an Endoloop over a polyp ?

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TIPS AND TRICKS HOW TO....
... mount an endoloop over a polyp?
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Surgical workshop

Endoloop: a helpful new device for transanal rectal polypectomy

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Transanal excision of rectal polyps is the treatment choice for many patients who otherwise require maximal lesion excision. It is often difficult to access the lesion either too high for formal excision through an operating 'tube' or too large for diathermy stare removal via an operating sigmoidoscope, flexible sigmoidoscope or rectoscope.

A simple modification in surgical technique to allow transanal excision of the larger, high, pedunculated polypoid lesion which would otherwise prove impossible by this route is described here.

Paper accepted 23 August 1994

Surgical technique

The polyp is located using an operating sigmoidoscope and an Endoloop (Ethicon Endosurgery, Edinburgh, UK) is then passed under direct vision over the lesion. The loop diameter can be varied widely, allowing even the larger polyps to be encircled. The loop is tightened firmly at the base with slight traction on the polyp body. The lesion is then excised with either right-angled Potts scissars or a Beaver knife.

Discussion

The Endoloop (Fig. 1a) is a ligature loop with a sliding Rockwood knot (Fig. 1b) which secures on application and locks further as the hydrophilic suture expands. The device, routine in laparoscopic surgery for ligation of large free pedicles or vessels, has safely been applied in the aforementioned situation. The Endoloop suture is available in monofilament (Vicryl, Ethicon, Edinburgh, UK) or coated Vicryl (Ethicon). The authors have employed this technique for two inaccessible rectal lesions (c. 14 and 15 cm) without complications; the voluntary follow-up for these patients is now 12 and 8 months respectively. The same technique would, of course, be equally applicable for more common distal polyps.

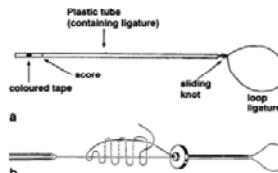
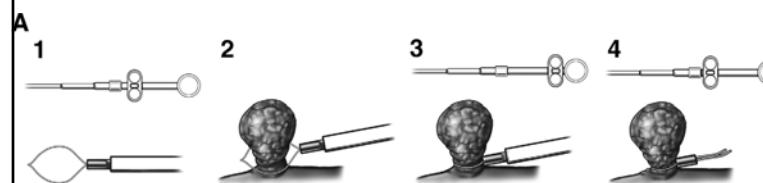


Fig. 1 a The Endoloop. b Rockwood Knot

Detachable snares

- Endoloop (Olympus)
 - Reusable device to be assembled
 - 20 mm + 30 mm
- Polyloop (Olympus)
 - Pre-assembled ready-to-use device
 - Single-use
 - 30 mm



How to use

- Youtube – Endoscopy Channel
- Georgios Mavrogenis



How to prepare and use detachable snares. A video demonstration for nurses and endoscopists.

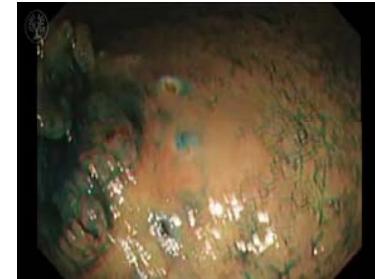
Mavrogenis & Deprez. *Gastrointest Endosc* 2014;80:728-729

How to use

Detachable snare

- Indications

- Hemostasis
 - Postpolypectomy bleeding
 - Adjunct to clip hemostasis
- Resection
 - Polypectomy loop-and-snare
 - Polypectomy loop-and-let-go
- Closure
 - Fistula closure
 - Post-ESD closure



Rengen & Adler. *Techn Gastrointest Endosc* 2006;8:12-15