Over-The-Scope-Clipping System for flexible endoscopy
The OTSC® System is an innovative clipping system to be applied via flexible endoscopes. It offers the physician unique features superior to any other device:

- dynamic compression, continuous adaption to tissue thickness
- larger volume of tissue secured
- higher stability at the lesion site
- minimal strain on surrounding tissue

The OTSC® System stands for superior clinical efficacy\(^1,2\), easy and quick application\(^3\) and cost effectiveness\(^4\).

The OTSC® System is used in flexible endoscopy for:

- acute bleeding
- wall closure
- closure of chronic lesions
- management of complications after endoscopic or surgical procedures

OTSC® System

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The exceptional features and therapeutic functions of the OTSC® System are based on its unique material and design: the superelastic Nitinol® is biocompatible, MRI conditional, and, if needed, even suited to be applied as a long-term implant.

Hemostasis

Application

Hemostasis of an arterial bleeding.

Source: Prof. Dr. Chiu, Prince of Wales Hospital, Hong Kong SAR, China


The use of the OTSC® System is intuitive and easy, very similar to other devices based on the application-cap principle. The application cap is mounted to the tip of the endoscope. By turning the handwheel, the thread is tightened and the clip is applied. It is compatible with commercially available endoscopes. A variety of different sizes and combinations are available for commonly used endoscopes.


Closure of a perforation in the rectum, source: Dr. Mauro Manno & Dr. Paola Soriani, UOSD Endoscopia Area Nord, Azienda USC di Modena, Ospedale di Carpi e Mirandola, Italy

Perforation closure

Our application aids allow easier positioning of lesions: the OTSC® Anchor (e.g. fistula or ulcer bleeding treatment) and the OTSC® Twin Grasper® (e.g. perforation closure assist plus in approximating tissue previously into the cap).

All OTSC® products are disposable and designed for single-patient use.

Grasp first perforation edge with one of the two OTSC® Twin Grasper® jaw parts.

Grasp opposite perforation edge with second jaw part.

Retract perforation into cap (OTSC® Twin Grasper® must be fully inside cap).

Apply clip and release OTSC® Twin Grasper®.
Closure of a PEG fistula, source: Dr. Thomas Kratt, Universitätsklinikum Tuebingen, Germany

**Fistula closure**

- Target fistula opening, position Anchor and fix tissue.
- Mobilize tip of OTSC® Anchor shaft into cap; anchor spikes may remain external.
- Align OTSC® cap to the fistula opening by pulling the anchor and advancing endoscope.
- Apply clip; release OTSC® Anchor from tissue.

Application videos on www.ovesco.com
One & Done
OTSC® – The first choice: highest efficacy in GI bleeding.

Proven clinical benefit:
OTSC® in first-line therapy significantly reduces re-bleeding risk and bleeding associated mortality in UGIB (GI Efficacy evaluation¹).

Compared to Rockall's validated prediction, OTSC reduces re-bleeding and bleeding associated mortality significantly. The re-bleeding rate was reduced from 53.2% to 21.4% (p<0.001) and the mortality rate was reduced from 27.9% to 10.9% (p = 0.011) in high-risk Rockall score patients treated with OTSC.

OTSC® significantly improves outcome of hemostasis in patients randomized to OTSC or standard therapy (STING trial²).

Successful hemostasis was achieved in 93.9% vs 57.6% (p = 0.001) of otherwise unsuccessfully treated patients, now receiving either OTSC or injection plus other clips or thermal coagulation.
**Details and components**

The OTSC® System consists of an applicator cap with a mounted clip, handwheel and thread retriever. The OTSC® System is available in the following variety of cap sizes and clip designs to provide secure application regardless of the anatomical situation and endoscope type.

- 8 different cap sizes and corresponding clip sizes
- 2 different cap depths for capturing more or less tissue
- 3 different teeth shapes suitable for different areas of application

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<table>
<thead>
<tr>
<th>OTSC® anchors</th>
<th>mini</th>
<th>11</th>
<th>12</th>
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<tr>
<td>Endoscope diameter Ø [mm]</td>
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<td>10.5 – 12</td>
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<td>Depth of cap</td>
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<td>Max. outer diameter Ø [mm]</td>
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<td>16.5</td>
<td>17.5</td>
<td>21</td>
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</tbody>
</table>

**Application aid**

There are two instruments available to enable a more effective application. These can be inserted next to the thread in the same working channel.

**OTSC® Anchor**

For better approximation of tissue especially when hard or fibrotic (e.g. fistula, chronic ulcer), OTSC® Anchor 220B especially for thin tissue.

**OTSC® Twin Grasper**

For easier approximation of gaping edges of a lesion (e.g. perforation).

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Ovesco Endoscopy AG is a medical device company specializing in the fields of flexible endoscopy and endoluminal surgery. Ovesco develops, manufactures, and markets innovative products for the treatment of gastrointestinal disease. Ovesco products stand for therapeutic efficacy and efficient application.

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www.ovesco.com

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