

# OTSC® System

Details and components

## OTSC® System

It consists of an applicator cap with a mounted clip, thread, and handwheel for clip release.



The applicator cap is mounted onto the tip of the endoscope. The clip is released by tightening the thread with the hand wheel. The system is very flexible and will thus allow for multiple indications and all conventional equipment in endoscopy. The various clips and caps can be classified as follows:

Features and sizes of the applicator caps:

- Three different **sizes** (11, 12 and 14) of caps suitable for almost all commercially available endoscopes
- Two **different depths** (3 and 6 mm) of caps for capturing more or less tissue

Features of the clips:

- Three different **sizes** (11, 12 and 14) adapted to the cap sizes (premounted)
- Three different **shapes of teeth** suitable for different indications and tissues (types a, t, gc)

OTSC® Versionen:



**type a**  
blunt teeth, primarily  
compression effect



**type t**  
teeth with small spikes,  
compression and anchoring effect



**type gc**  
elongated teeth with spikes,  
application: closure of gastric wall

Endoscope diameter		Ø 8,5 – 11 mm	Ø 10,5 – 12 mm	Ø 11,5 – 14 mm
Depth of cap	3 mm	● ●	● ●	● ●
	6 mm	● ●	● ● ●	● ●

## OTSC® application aids

Two instruments are available that facilitate the use of the OTSC® System



For better approximation of tissue especially when indurated (e.g. fistulae, chronic ulcer). OTSC® Anchor 220 tt, especially for thin tissue.



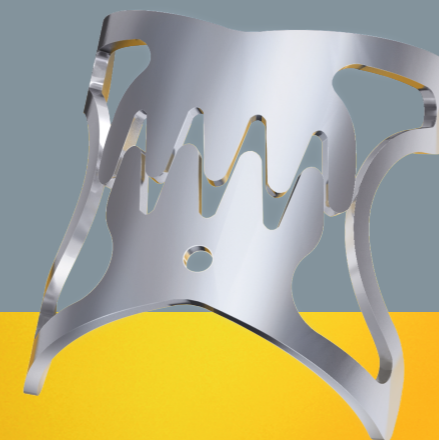
For easy approximation of gaping edges of a lesion (e.g. perforation).

o o o ovesco  
innovation in scope



OTSC® System.....  
*good to have*

Over-The-Scope-Clipping System for flexible endoscopy



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HEALTHCARE  
EXCELLENCE THROUGH INNOVATION

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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.

The innovative OTSC® System stands for superior efficacy in flexible endoscopy for

- Acute bleeding
- Full thickness wall closure
- Compression as well as approximation of tissue
- Management of complications after endoscopic or surgical interventions

## OTSC® Over-The-Scope-Clipping System for flexible endoscopy

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

The use of the OTSC® System is intuitive and easy, very similar to other devices based on the application cap principle. It is compatible with all commercially available endoscopes. A variety of different sizes and types are available.

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

In addition, for precise and easy closure of even larger or fibrotic lesions application aids are available: the OTSC® Anchor and the OTSC® Twin Grasper® assist you in approximating tissue in treating perforations, fistulae etc.



type a

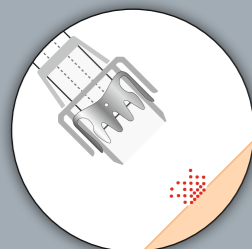
type t

type gc

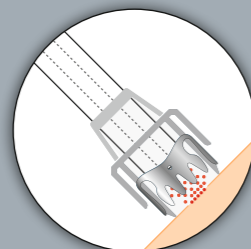


## Application

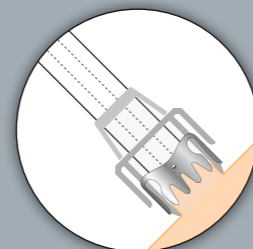
### Hemostasis



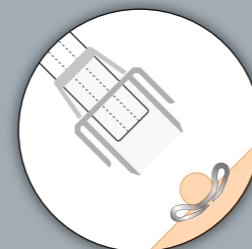
Targeting the lesion (if needed with OTSC application aid)...



... approximation of the OTSC cap ...

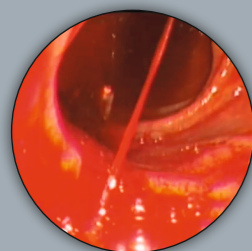


... suction of target tissue and release of the OTSC clip with hand wheel ...

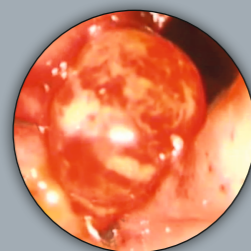


... clip is applied.

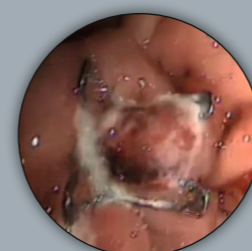
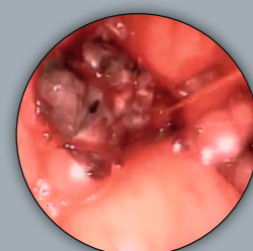
### Examples



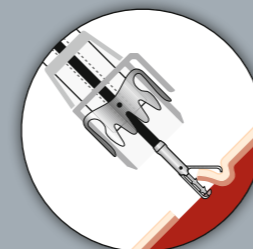
Hemostasis of arterial bleeding<sup>1</sup>



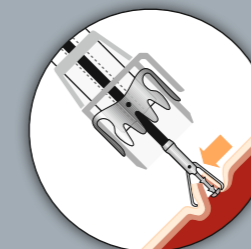
Hemostasis of ulcer bleeding<sup>2</sup>



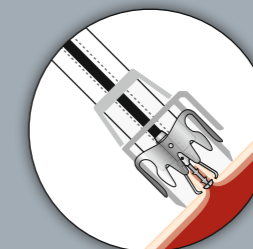
### Wall closure



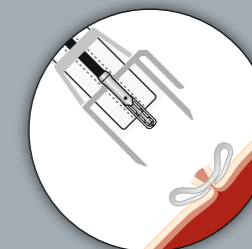
Targeting the lesion (e.g. with OTSC Twin Grasper)...



... approximation of OTSC cap, grasping and retraction of target tissue ...

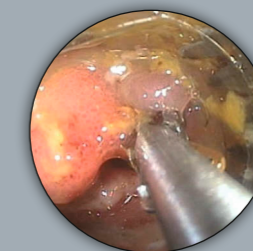
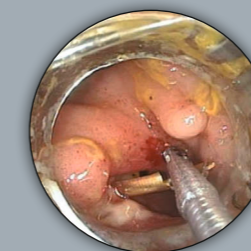
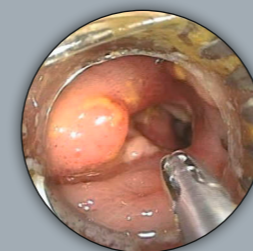


... release of the OTSC clip with hand wheel ...



... procedure completed.

### Example



Further examples: Fistulae, perforations, anastomotic leaks, other postoperative complications

1 Source: Prof. Dr. Chiu, Prince of Wales Hospital, Hong Kong SAR, China  
2 Source: Dr. Thomas Kratt, University Hospital Tuebingen, Germany

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