

# Highlights 2021

## Proctology










## E.P.Si.T. – Endoscopic Pilonidal Sinus Treatment

The pilonidal sinus is an acute or chronic inflammatory process in the subcutaneous adipose tissue, often occurring in the sacrococcygeal region<sup>1</sup>. E.P.Si.T. – Endoscopic Pilonidal Sinus Treatment – proceeds in two phases. In the first – diagnostic – phase, the sinus cavity and the sinus tracts are examined. The aim of the second – therapeutic – phase is to ablate the abscess cavity and to eliminate the fistula<sup>2</sup>. Both phases are performed under direct endoscopic control.

### Special Features:

- E.P.Si.T. can be performed in an outpatient setting
- Ablation of the abscess cavity and elimination of the fistula under direct vision
- High patient satisfaction<sup>3</sup>
- Straightforward, safe, effective and reproducible method of treatment<sup>3</sup>
- Instruments can also be used to treat anal fistulas (VAAFT technique)

- 24511 **Fistulectomy Set**,  
including:  
**Fistuloscope 8°**, angled eyepiece, outer diameter 3.3 x 4.7 mm, working length 18 cm  
**Handle**  
**Obturator**  
**Wire Tray for Cleaning, Sterilization and Storage**  
**Sealing Cap “Endoscopic Seal”**, sterile, package of 10 STERILE 
- 100020-10\* **Sealing Cap “Endoscopic Seal”**, for working channels of 4-10 Fr. instruments,  
sterile, for single use, package of 10 STERILE 
- 24515 **Coagulation Electrode**, unipolar, for fistulectomy, 7 Fr., length 53 cm
- 24514 **Fistula Brush**,  
including:  
**3-ring Handle**  
**Outer Sheath**  
**Fistula Brush Insert**, outer diameter 4 mm, unsterile, for single use   
**Fistula Brush Insert**, outer diameter 4.5 mm, unsterile, for single use   
**Fistula Brush Insert**, outer diameter 5 mm, unsterile, for single use 
- 30251KJ **CLICKLINE REDDICK-OLSEN Grasping Forceps**, rotating, dismantling, insulated, with connector  
pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, double action jaws,  
size 2 mm, length 30 cm  
including:  
**Plastic Handle**, without ratchet, with larger contact area at the finger ring  
**Outer Sheath**, with working insert

**Sources:**

- <sup>1</sup> AWMF Summary of the S3 Guidelines 081/009: Sinus pilonidalis
- <sup>2</sup> Endoscopic Pilonidal Sinus Treatment: A Prospective Multicentre Trial. P. Meinero et al., 2016
- <sup>3</sup> Endoscopic Pilonidal Sinus Treatment, Giarratano G et al., 2017



E.P.Si.T.:



To view the application video,  
please scan the QR code








## VAAFT Set – Video Assisted Anal Fistula Treatment

The VAAFT technique is suitable for the surgical treatment of complex anal fistulas and recurrences. VAAFT – Video Assisted Anal Fistula Treatment – proceeds in two phases. The purpose of the first – diagnostic – phase is to inspect the fistula pathway and to locate the internal fistula opening. The goal of the second – therapeutic – phase is the complete destruction of the fistula epithelium. Both phases are performed under direct endoscopic control.

### Special Features:

- Exact localization of the internal fistula opening under visual control
- Complete elimination of the fistula from the inside
- Minimal postoperative trauma
- Significant time and cost-saving potential
- Fully autoclavable

- 24511 **Fistulectomy Set**,  
including:  
**Fistuloscope 8°**, angled eyepiece, outer diameter 3.3 x 4.7 mm, working length 18 cm  
**Handle**  
**Obturator**  
**Wire Tray for Cleaning, Sterilization and Storage**  
**Sealing Cap “Endoscopic Seal”**, sterile, package of 10 STERILE 
- 100020-10\* **Sealing Cap “Endoscopic Seal”**, for working channels of 4-10 Fr. instruments,  
sterile, for single use, package of 10 STERILE 
- 24515 **Coagulation Electrode**, unipolar, for fistulectomy, 7 Fr., length 53 cm
- 24514 **Fistula Brush**,  
including:  
**3-ring Handle**  
**Outer Sheath**  
**Fistula Brush Insert**, outer diameter 4 mm, unsterile, for single use   
**Fistula Brush Insert**, outer diameter 4.5 mm, unsterile, for single use   
**Fistula Brush Insert**, outer diameter 5 mm, unsterile, for single use 
- 30251KJ **CLICKLINE REDDICK-OLSEN Grasping Forceps**, rotating, dismantling, insulated, with connector  
pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, double action jaws,  
size 2 mm, length 30 cm  
including:  
**Plastic Handle**, without ratchet, with larger contact area at the finger ring  
**Outer Sheath**, with working insert

**Source:**

<sup>1</sup> Video-assisted anal fistula treatment (VAAFT): a novel sphincter-saving procedure for treating complex anal fistulas.  
Meinero et. al. 2011



To view the application video,  
please scan the QR code





## TEO® – Transanal Endoscopic Operations

The minimally invasive transanal platform for the treatment of rectal neoplasia

Transanal Endoscopic Operations (TEO®) combines the minimal invasiveness of an intervention via a natural body orifice (NOTES) with the precision of resection under endoscopic microsurgery.

Special Features:

- Available in lengths of 7.5, 15 and 20 cm
- Compatible with all standard camera systems for laparoscopy
- Mechanical holding arm enables the platform to be placed in a very stable position

### Working lengths 7.5 and 15 cm

- 24941BA **HOPKINS® Forward-Oblique Telescope 30°**, angled eyepiece, diameter 5 mm, length 21 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red
- 24942TK **TEO® Operating Rectoscope Tube**, outer diameter 40 mm, working length 7.5 cm, with handle for holding system, LUER-Lock connector for vapor evacuation
- 24942T **Same**, working length 15 cm
- 24942OK **TEO® Obturator**, for use with TEO® Operating Rectoscope Tube 24942TK
- 24942O **Same**, for use with TEO® Operating Rectoscope Tube 24942T
- 24942AK **TEO® Working Attachment**, with attachment for HOPKINS® Telescope 24941BA, 2 channels for instrument size 5 mm and 1 channel for instruments up to size 12 mm, for use with TEO® Operating Rectoscope Tube 24942TK
- 24942A **Same**, for use with TEO® Operating Rectoscope Tube 24942T

### Working length 20 cm

- 24941BAL **HOPKINS® Forward-Oblique Telescope 30°**, angled eyepiece, diameter 5 mm, length 28 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red
- 24942TL **TEO® Operating Rectoscope Tube**, outer diameter 40 mm, working length 20 cm, with handle for holding system, LUER-Lock connector for vapor evacuation
- 24942OL **TEO® Obturator**, for use with TEO® Operating Rectoscope Tube 24942TL
- 24942AL **TEO® Working Attachment**, with attachment for HOPKINS® Telescope 24941BAL, 2 channels for instruments size 5 mm and 1 channel for instruments up to size 12 mm, for use with TEO® Operating Rectoscope Tube 24942TL
- 25370KG **Dissection Hook Electrode**, proximally and distally bent downwards, needle-shaped
- 25351MG **CLICKLINE Dissecting and Grasping Forceps**, rotating, dismantling, insulated, with connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, single action jaws, jaws offset downwards, 2 x 4 teeth, size 5 mm, length 36 cm

### Holding system – U-shaped

- 28272RLD **Holding System**, U-shaped, **autoclavable**, with quick release coupling KSLOCK

Further instruments for transanal surgery can be found in the Proctology catalog.



## TEO® Platform with Flexible Working Attachment and High-Flow Adaptor – B-PORT

TEO® (Transanal Endoscopic Operations) combines the minimal invasiveness of an intervention via a natural orifice (NOTES) with the precision of resection under visual control. In cooperation with Prof. Luigi Boni, Milan, Italy, it was possible to optimize the TEO® platform for TaTME (Transanal Total Mesorectal Excision).

### Special Features:

- Flexible working attachment
- Instruments up to size 15 mm can be used
- High-flow insufflation adaptor
- Straight distal end
- Suitable for TaTME



- 24942TKG **TEO® Operating Rectoscope Tube**, outer diameter 40 mm, working length 7.5 cm, straight distal end, with handle for holding system, LUER-Lock connector for vapor evacuation
- 24942OK **TEO® Obturator**, for use with Operating Rectoscope Tube 24942TK/24942TKG
- 24943S **TEO® High-Flow Adaptor**, for S-PORT seal
- 23030SA **S-PORT Seal**, 4x access 3 mm, 5 mm or 13-15 mm
- 28272RLD **Holding System**, U-shaped, **autoclavable**, with quick release coupling KSLOCK
- 33362ON **CLICKLINE Grasping Forceps**, rotating, dismantling, without connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, single action jaws, with especially fine atraumatic serration, fenestrated, size 5 mm, length 36 cm  
including:  
**Metal Handle**, with ratchet, with large contact area  
**Metal Outer Sheath**, insulated  
**Forceps Insert**
- 26775C CADIERE **Coagulation and Dissection Electrode**, insulated sheath, with connector pin for unipolar coagulation, L-shaped, with cm-marking, distal tip tapered, size 5 mm, length 36 cm

**For use with:**

- A standard telescope in size 5 mm or 10 mm, e.g., HOPKINS® Forward-Oblique Telescope 30°, diameter 5.5 mm, length 50 cm (art. no. 26048BSA)
- Standard instrumentation for laparoscopy or alternatively with instruments specially adapted for Transanal Endoscopic Operations (jaws offset downwards)

**Further telescopes and standard instrumentation for laparoscopy can be found in the Laparoscopy catalog.**

**Instruments specially adapted for Transanal Endoscopic Operations can be found in the Proctology catalog.**



## D-PORT

The reusable D-PORT was designed and optimized for transanal surgery. It is also possible to perform Transanal Total Mesorectal Excision (TaTME) with this platform.

### Special Features:

- Simultaneous CO<sub>2</sub> insufflation and smoke/gas evacuation possible
- Flexible sealing cap
- Small outer diameter of 30 mm
- Free choice of telescopes (5 mm or 10 mm)
- Reusable and thus cost-effective

To view the application video,  
please scan the QR code



- 24944TS **DAPRI D-PORT Operating Rectoscope System**  
including:  
**DAPRI Operating Rectoscope Tube**  
**Obturator**  
**Seal**
- 24944SA **Seal**, for DAPRI operating rectoscope tube, 3x access 5 mm, 10 mm and/or 13-15 mm  
including:  
**Sealing Cap**  
3x **Reducers**, 13/5 mm and 13/3 mm  
**Reducer**, 13/10 mm  
**Valve Seal**, for instruments size 5 and 5.5 mm, package of 10  
**Valve Seal**, for instruments size 10 mm, package of 10
- 26003BA **HOPKINS® Forward-Oblique Telescope 30°**, enlarged view, diameter 10 mm, length 31 cm,  
**autoclavable**, fiber optic light transmission incorporated,  
color code: red
- 23125ONG **CLICKLINE Dissecting and Grasping Forceps**, non-rotating, dismantling, insulated,  
with connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning,  
single action jaws, fenestrated, with especially fine serration, DAPRI sheath curve, size 5 mm  
including:  
**Metal Handle**, without ratchet, with 4 locking positions  
**Outer Sheath**, with working insert
- 23775CLG **Coagulation and Dissection Electrode**, L-shaped tip, DAPRI sheath curve, size 5 mm



## Retrieval Tube

### For avoiding minilaparotomy in laparoscopic colon resection

Laparoscopic techniques in colorectal resection have become increasingly established in recent years as a standard procedure in colorectal surgery<sup>1,2</sup> although a minilaparotomy is still necessary to recover the specimen. With the development of a retrieval tube, which is introduced transanally, it is possible to avoid minilaparotomy and thus significantly reduce the morbidity of the abdominal wall in the form of wound infections, postoperative pain and the formation of abdominal hernias<sup>3</sup>.

Special Features:

- Anatomically adapted shape
- The flexible working insert allows instrument use with the minimal loss of CO<sub>2</sub>

<sup>1</sup> Kuhry E, Schwenk W, Gaupset R, Romild U, Bonjer HJ (2012) Long-term results of laparoscopic colorectal cancer resection

<sup>2</sup> Schwenk W, Haase O, Neudecker JJ, Müller JM (2008) Short-term benefits of laparoscopic colorectal resection

<sup>3</sup> Brockhaus AC, Politt D, Lindlohr C, Saad S (2016) Transanal extraction vs. minilaparotomy for laparoendoscopic left-sided colon resection

- 23040T      **Retrieval Tube**, for retrieval of resected tissue, for use with Obturator 23040O, Adaptor 23040A, ENDOCONE Port Attachment 23010AS and S-PORT Seal 23030SA
- 23040O      **Obturator**, for use with Retrieval Tube 23040T
- 23040A      **Adaptor**, for use with ENDOCONE Port Attachment 23010AS and Retrieval Tube 23040T
- 23010AS      **ENDOCONE Port Attachment**, for use with S-PORT Seal 23030SA
- 23030SA      **S-PORT Seal**, 4x access 3 mm, 5 mm or 13-15 mm

**For retrieval of resected tissue, we recommend the following grasping forceps from our product portfolio**

- 33356AF      **CLICKLINE Dissecting and Grasping Forceps**, rotating, with connector pin for unipolar coagulation, double action jaws, atraumatic, fenestrated, size 5 mm, length 36 cm including:  
**Plastic Handle**, with disengageable ratchet, with larger contact area  
**Metal Outer Tube**, insulated  
**Forceps Insert**








## ENDOFLATOR® 50 and S-PILOT® – The solution for your insufflation and smoke evacuation management

The ENDOFLATOR® 50 with gas heating offers:

- Gas flow up to 50 l/min in combination with KARL STORZ HICAP® trocars
- Gas heating to body temperature
- With two insufflation modes for high flow and pediatric applications
- SECUVENT® safety system for reducing any intracavitary overpressure that may occur
- Communication with the IMAGE1 S™ camera platform for control from the sterile field
- Procedure list: Own procedures can be saved (pressure: xx mmgh, flow: xx l/min)

The ENDOFLATOR® 50 can be used in transanal treatments and endoscopic vessel harvesting. It can be combined with the S-PILOT® system that regulates the suction and filtration of surgical smoke during endoscopic interventions.

- UI500S1 **ENDOFLATOR® 50 SCB**, with integrated SCB module, power supply 100-240 VAC, 50/60 Hz including:  
**SCB Connecting Cable**, length 100 cm  
**Universal Wrench**  
**Heated Insufflation Tubing Set\***, with gas filter, sterile, for single use, package of 3 STERILE 
- UP501S1 **S-PILOT®**, including footswitch, power supply 100-240 VAC, 50/60 Hz including:  
**One-Pedal Footswitch**  
**Tubing Set Suction\***, sterile, for single use, package of 5 STERILE   
**SCB Connecting Cable**, length 100 cm
- 031210-10\* **Insufflation Tubing Set with Gas Filter**, length 300 cm, heatable, hydrophobic on both sides, sterile, for single use, package of 10, for use with ENDOFLATOR® 50 STERILE 
- 031447-10\* **Tubing Set for Smoke, Gas and Fluid Suction**, with connector for second suction tube, sterile, for single use, package of 10, for use with S-PILOT®, for laparoscopy STERILE 
- 031111-10\* **Smoke Evacuation Filter**, unsterile, for single use, package of 10 
- UP004 **S-PILOT® Connecting Cable**, diameter 3.5 mm, length 300 cm, for use with AUTOCON® III 400, ConMed System 2450 or 5000
- UP005 **S-PILOT® Connecting Cable**, diameter 2.5 mm, length 300 cm, for use with Valleylab Force Triad or Valleylab Force FX





## Rectoscope for Video Documentation – RECTOVISION® with Sliding Cap

The combination of laparoscopic and rectoscopic technologies permits visualization and documentation of the intraluminal conditions in patients undergoing coloproctological interventions. RECTOVISION® is intended for use in both outpatient settings and surgical departments.

### Special Features:

- Clear, high-resolution display of even the finest details
- Fully reusable; long service life
- Can be used with all 10 mm telescopes – also in conjunction with NIR/ICG for intraluminal perfusion assessment
- Airtight sliding cap



- 24912K HEINKEL **Rectoscope Tube**, outer diameter 20 mm, working length 20 cm including:  
**Obturator**
- 24920 **Illumination Head**, for HEINKEL rectoscope tubes, with fiber optic light transmission, LUER-Lock hub for rubber insufflation bulb
- 24886SOW **Airtight Sliding Cap**, for centering a 10 mm telescope in HEINKEL rectoscope tubes  $\geq$  20 mm during documentation
- 30103CS **Telescope Stopper**, size 11 mm, sterile, for single use, package of 12 STERILE 
- 40924 **Rubber Insufflation Tube**, with detachable tube, with LUER-Lock including:  
**Rubber Tube**
- 031123-10\* **Gas Filter**, for fluid irrigation, with male LUER-Lock connector and female LUER-Lock connector, sterile, for single use, package of 10 STERILE 
- 26003AA **HOPKINS® Straight Forward Telescope 0°**, enlarged view, diameter 10 mm, length 31 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green
- or
- 26003ARA **HOPKINS® RUBINA 0°**, NIR/ICG, straight forward telescope, enlarged view, diameter 10 mm, length 31 cm, **autoclavable**, for indocyanine green (ICG), fiber optic light transmission incorporated, color code: green

**Note:** The gas filter is positioned between the rubber ball and the rubber tube to prevent instrument contamination. Reprocessing of the rubber tube is nevertheless required when using Filter 031123-10\*.



## KARL STORZ TROIDL SILVER SCOPE® Flexible Rectoscope

The flexible TROIDL SILVER SCOPE® rectoscope combines the fundamental advantages of flexible endoscopy with the application possibilities of rectoscopy.

### Special Features:

- Short working length of 40 cm
- Inversion up to 210° improves visualization compared to rigid rectoscopy and, consequently, diagnostic and therapeutic options thanks to forward and retrograde viewing
- Field of application especially suited for surgical conditions and procedures in the rectal area
- Possibility to combine rigid and flexible endoscopy thanks to modular IMAGE1 S™ camera platform

13912PKSK TROIDL **Rectoscope**, Set, flexible, 11.8 mm x 40 cm, color system PAL,  
Direction of view: 0°  
Sheath diameter: 11.8 mm  
Working channel diameter: 3.4 mm  
Deflection up/down: 210°/120°  
Deflection left/right: 120°/120°  
Field of view: 140°  
Working length: 40 cm

13912NKSK **Same**, color system NTSC

**For use with the following camera systems**

- IMAGE1 S™
- IMAGE 1 HUB™ HD
- TELECAM/TELE PACK X GI

**Please note:**

One of the following videoendoscope adaptors is required to connect the flexible TROIDL Rectoscope 13912PKSK/13912NKSK to a camera control unit:

**For use with IMAGE1 S™**

TC001 **IMAGE1 S™ Videoendoscope Adaptor**, color systems PAL/NTSC, length 60 cm,  
for use with IMAGE1 S™ X-LINK TC301

**For use with IMAGE 1 HUB™ HD**

22200077 **Videoendoscope Adaptor**, color systems PAL/NTSC, length 90 cm

**For use with TELECAM/TELE PACK X GI**

20213070 **Videoendoscope Adaptor**, for use between KARL STORZ videoendoscopes and  
TELECAM Camera Control Units (CCU) or TELE PACK video units

**Further information on the TROIDL flexible rectoscope and other flexible endoscopes, e.g., gastroscopes and colonoscopes, is available in the Proctology catalog.**

**Further information on camera systems is available in the Telepresence catalog.**



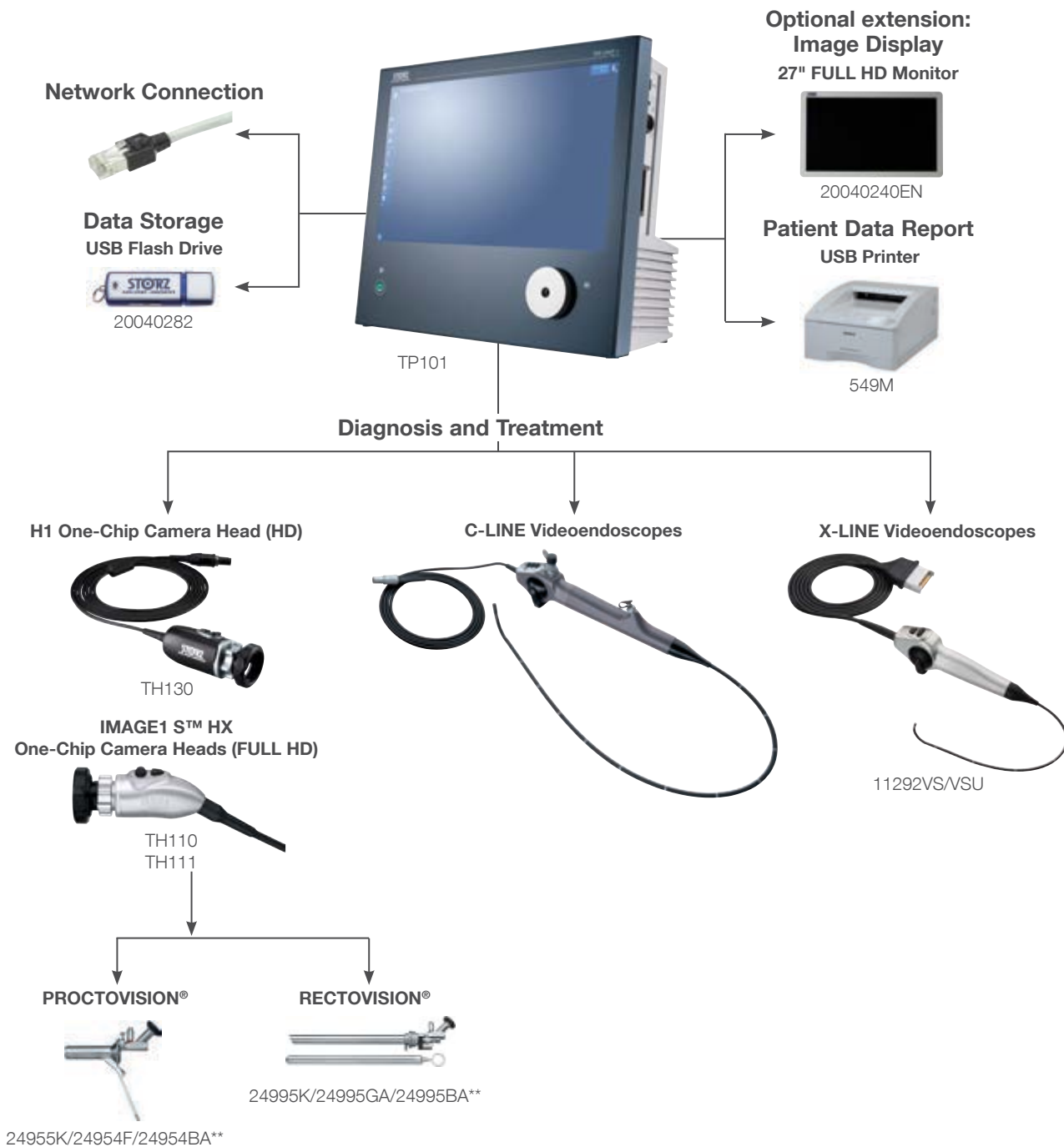
## TELE PACK+

### Compact Endoscopy for Documentation in Proctology

The mobile all-in-one solution TELE PACK+ enables the user to share real-time images with the patient what can be seen during procto- or rectoscopic examinations. The rigid systems PROCTOVISION® and RECTOVISION® allow the visualization and documentation of all examination and/or therapy steps.

#### Special Features:

- The mobile all-in-one solution combines a monitor, camera control unit, LED light source, data management and documentation unit with integrated network function
- Image display in FULL HD quality
- Universal use in doctors' offices, outpatient clinics, emergency rooms and intensive care units
- Compatibility with a wide range of rigid, flexible and single-use endoscopes – beneficial for interdisciplinary use for instance
- As well as presenting clear patient information, documentation (with storage capability on USB and free internal memory of 50 GB) can aid proctological training
- Advanced functions in combination with SCENARA®:  
Import of patient data from HIS, image and video processing and the transfer of data to PACS or a network storage device



For Network Connection options, see OR1™ software solution SCENARA®

\*\* Note: We recommend the use of the KARL STORZ Light Cables 495NL and 495NAC



## Proctoscopes

KARL STORZ offers a wide range of proctoscopes in various sizes for rigid proctoscopy.

Special Features:

- Plastic obturator
- Completely reusable, durable
- With the proper working attachment can also be utilized for video-assisted proctoscopy and documentation

MORGAN **Proctoscope Tube**, available in the following sizes:

MORGAN <b>Proctoscope Tube with Obturator</b>		
<i>Art. No.</i>	<i>Outer Diameter</i>	<i>Working Length</i>
24950K	17 mm	6.5 cm
24951K	17 mm	8 cm
24952K	20 mm	6.5 cm
24953K	20 mm	8 cm
24956K	20 mm	15 cm
24954KK	24 mm	6.5 cm
24955K	24 mm	8 cm
24959K	27 mm	7 cm
24957K	30 mm	8 cm

24960 **Fiber Optic Light Carrier**, with fiber optic light cable connector

25200 **Swab Forceps**, length 20 cm

25195 ARNOLD **Fistula Hook**, length 18 cm

**Optional components for video-assisted proctoscopy (PROCTOVISION®), for use with Proctoscope Tube 24955K**

24954F **Working Attachment**, for use with MORGAN Proctoscope Tube 24955 and HOPKINS® Telescope 24954BA

24954BA **HOPKINS® Forward-Oblique Telescope 30°**, eyepiece angled 45°, diameter 4 mm, length 9.5 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red



**Instrumentation for proctoscopy (e.g., instruments for hemorrhoid ligation) as well as suitable light sources and fiber optic light cables can be found in the Proctology catalog.**



## Rectoscopes

KARL STORZ offers a wide range of rectoscopes in various sizes for rigid rectoscopy.

Special Features:

- Completely reusable, durable
- Illumination head unit with fiber optic light cable connector
- With the proper working attachment can also be utilized for video-assisted rectoscopy and documentation



HEINKEL **Rectoscope Tube**, available in the following sizes:

HEINKEL <b>Rectoscope Tube with Obturator</b>					
Art. No.	Outer Diameter	Working Length	Art. No.	Outer Diameter	Working Length
24918K	12 mm	20 cm	24912K	20 mm	20 cm
24916K	16 mm	20 cm	24911K	20 mm	25 cm
24914K	16 mm	30 cm	24910K	20 mm	30 cm
24915K	18 mm	25 cm	24919K	24 mm	20 cm
24913K	18 mm	30 cm			

24920K **Illumination Head Unit**, for HEINKEL rectoscope tubes, with fiber optic light transmission, LUER-Lock hub for rubber insufflation bulb, including Glass Window Plug 24920FK

40924 **Rubber Insufflation Bulb**, with detachable tube, with LUER-Lock connector including:  
**Rubber Bulb**  
**Rubber Tube**

031123-10\* **Gas Filter**, sterile, for single use, package of 10



25215 **Sponge Forceps**, working length 40 cm

25239 **Suction Tube**, with cut-off hole, working length 40 cm

34351B **CLICKLINE Biopsy Forceps**, rotating, dismantling, insulated, with connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, single action jaws, medium jaws, standard model for mucosal biopsy, size 5 mm, length 36 cm including:  
**Plastic Handle**, without ratchet, with large contact area  
**Metal Outer Sheath**, insulated  
**Forceps Insert**

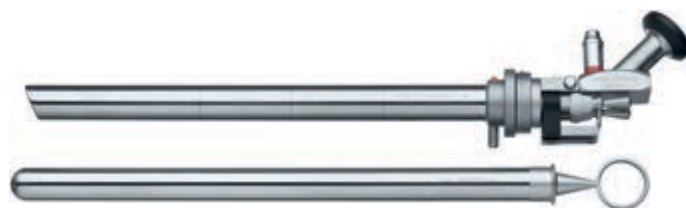
**Note:** The gas filter is positioned between the rubber ball and the rubber tube to prevent instrument contamination. Reprocessing of the rubber tube is nevertheless required when using Filter 031123-10\*.

**Components for video-assisted rectoscopy (RECTOVISION®)**

24995K **Rectoscope Tube**, outer diameter 20 mm, length 25 cm, LUER-Lock hub for rubber insufflation bulb and obturator

24995GA **Working Attachment**, with locking ring for Rectoscope Tube 24995 and 2 channels for instruments with diameters up to 5 mm

24995BA **HOPKINS® Forward-Oblique Telescope 30°**, eyepiece angled 45°, diameter 4 mm, length 28.5 cm, for use with Rectoscope Tube 24995 and Working Attachment 24995GA



**Instrumentation for rectoscopy as well as suitable light sources and fiber optic light cables can be found in the Proctology catalog.**



## Hemorrhoid Treatment

KARL STORZ offers a wide range of suction ligature instruments for the treatment of hemorrhoids

Special Features:

- Available with integrated mechanical vacuum pump or with connector pin for external vacuum pump
- Replaceable, ergonomic handle
- Available with lateral or straight suction openings

**With integrated vacuum pump**

25211NS **Suction Ligature Instrument**, for the treatment of hemorrhoids, suction opening diameter 10 mm, working length 14 cm, with integrated vacuum pump including:

- Ligature Attachment**
- Handle**
- Loading Cone**

25212NS **Suction Ligature Instrument**, for the treatment of hemorrhoids, suction opening diameter 8 mm, working length 19 cm, with integrated vacuum pump including:

- Ligature Attachment**
- Handle**
- Loading Cone**

**With connector pin for external vacuum pump**

25211N **Suction Ligature Instrument**, for the treatment of hemorrhoids, suction opening diameter 10 mm, working length 14 cm, with connector pin for external vacuum pump including:

- Ligature Attachment**
- Handle**
- Loading Cone**

25212N **Suction Ligature Instrument**, for the treatment of hemorrhoids, suction opening diameter 8 mm, working length 19 cm, with connector pin for external vacuum pump including:

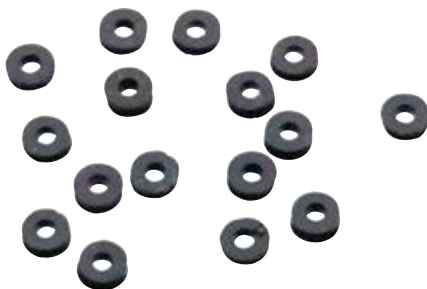
- Ligature Attachment**
- Handle**
- Loading Cone**

**Suitable Rubber Ligature Ring**

25210RP **Rubber Ligature Ring**, extra strong, **containing latex**, package of 100



25210RL **Rubber Ligature Ring**, **latex-free**, package of 100



It is recommended to check the suitability of the product for the intended procedure prior to use.  
Please note that the described products in this medium may not be available yet in all countries due to different regulatory requirements.

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Years

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