Creating Certainty: Diagnostics and Treatment Outside the OR

Solutions for office hysteroscopy

Hysteroscopy allows accurate diagnosis of any abnormalities in the uterine cavity while 5 Fr. instruments often make immediate treatment possible. Narrow-lumen hysteroscopes enable procedures to be performed outside the OR without anesthesia or dilation of the cervix. Furthermore, hysteroscopy can be used to rule out any obstacles to implantation prior to IVF treatment.

- The CAMPO TROPHYSCOPE® with a diameter of only 2.9 mm allows an atraumatic primary approach to the uterine cavity under visualization
- The irrigation function of the ENDOMAT® SELECT provides a better overview thanks to the constant maintenance of intracavitary pressure
- Outsourcing diagnostic services and minor hysteroscopic procedures extends the capacity of the OR to the clinical outpatient setting
- TELE PACK X LED combines a monitor, light source, camera control unit and data management in a single unit to provide a portable, mobile solution
Especially suitable for use in gynecological office settings and outpatient departments or IVF centers

26008 BAC  CAMPO TROPHYSCOPE®, HOPKINS® telescope 30°, size 2.9 mm, length 24 cm, with irrigation connector, for use with Continuous-Flow Sheaths 26152 DA and 26152 DB

26152 DA  Continuous-Flow Examination Sheath, size 3.7 mm, length 18 cm, with suction adaptor, for use with CAMPO TROPHYSCOPE® 26008 BAC

26152 DB  Continuous-Flow Operating Sheath, size 4.4 mm, length 16 cm, with channel for semirigid instruments 5 Fr., with 1 stopcock and 1 Luer-Lock adaptor, for use with CAMPO TROPHYSCOPE® 26008 BAC

26152 DS  TROPHY Curette, for use with Continuous-Flow Sheaths 26152 DA and 26152 DB

5 Fr. operating instruments for use with CAMPO TROPHYSCOPE®

26159 UHW  Biopsy and Grasping Forceps, semirigid, double action jaws, 5 Fr., length 34 cm

26159 SHW  Scissors, semirigid, pointed, single action jaws, 5 Fr., length 34 cm

26159 BE  Bipolar Dissection Electrode, semirigid, 5 Fr., length 36 cm

26159 GC  GORDTS/CAMPO Bipolar Ball Electrode, semirigid, 5 Fr., length 36 cm

26176 LE  Bipolar High Frequency Cord, length 300 cm

UP 210  ENDOMAT® SELECT, suction and irrigation pump, incl. mains cord, power supply 100-240 VAC, 50/60 Hz

UP 602  Hysteroscopy, software, license, allows selection of the procedure "HYS"

031523-10*  Tubing Set, irrigation, pressure-controlled, sterile, for single use, package of 10

TP 100EN  TELE PACK X LED

20212030  TELECAM One-Chip Camera Head, color system PAL

Information on further 5 Fr. operating instruments is available in the Gynecology catalog.
Resection to Perfection

The new bipolar 15 Fr. office resectoscope

In addition to bipolar resectoscopes with diameters of 22 and 26 Fr., KARL STORZ now offers a 15 Fr. resectoscope. Due to its small diameter, this resectoscope offers the possibility to perform resection outside the OR. Infertility patients or those suffering from abnormal bleeding can thus be treated in the doctor’s office or clinical outpatient setting, even without anesthesia. Together with the AUTOCON® III 400 HF generator, effective resection, coagulation or vaporization is achieved.

- Minimal outer diameter
  - Possible to perform resection in the doctor’s office or clinical outpatient setting, even without anesthesia
  - Little or even no dilation required (depending on the patient)
- Can be used as a diagnostic hysteroscope in conjunction with semirigid 5 Fr. instruments (optional)
- Real bipolar system with current not returned via the sheath
- Self-cleaning loops due to plasma formation
15 Fr. Bipolar Resectoscope

- **26120 AA** HOPKINS® Straight Forward Telescope 0°, diameter 2.9 mm, length 30 cm, **autoclavable**
- **26053 SCK** Resectoscope Sheath, 15 Fr., oblique beak, rotating inner sheath, color code: green
- **26053 OC** Standard Obturator
- **26053 EBH** Working Element Set, bipolar
- **011050-10** Cutting Loop, bipolar, 15 Fr., sterile, for single use, package of 10

- **26053 CD** Telescope Bridge, with channel for semirigid 5 Fr. operating instruments, for use with Resectoscope Sheath 26053 SC

22 Fr. Bipolar Resectoscope, color code: white

- **26020 FA** HOPKINS® Telescope 12°, diameter 2.9 mm, length 30 cm, **autoclavable**
- **26055 SCK** Resectoscope Sheath, 22 Fr., oblique beak, rotating inner sheath
- **26055 CO** Standard Obturator
- **26055 EBH** Working Element Set, bipolar

| 26055 GP1 | Cutting Loop, bipolar |
| 26055 NB | Coagulation Electrode, bipolar, with ball end |
| 26055 BL1 | Cutting Electrode, bipolar, pointed |
| 280 | Protection Tube, for sterilization and storage of electrodes, loops, curettes and knives |

**AUTOCON® III 400**

- **UH 400** AUTOCON® III 400 High-End, power supply 220-240 VAC, 50/60 Hz, including mains cord
  - **HF connecting sockets unipolar**: 2x 3-pin US type; 5 mm connector KARL STORZ/Erbe VIO
  - **HF connecting sockets bipolar**: 2x 2-pin US type (28.58) 3x KARL STORZ/Erbe VIO; neutral electrode 2-pole.

*Further information on our 26 Fr. bipolar resectoscope is available in the Gynecology catalog.*
Rapid Tissue Ablation with a Small Diameter

19 Fr. Intrauterine BIGATTI Shaver (IBS®) with HYSTEROMAT E.A.S.I.®

With an optical system that features an outer diameter of only 6 mm, the Intrauterine BIGATTI Shaver (IBS®) is inserted into the minimally dilated cervix. Thanks to the 4 mm shaver blade, the immediate removal of intrauterine pathologies is now possible outside the OR, e.g., in office settings and clinical outpatient departments or IVF centers.

- Mechanical removal of intrauterine pathologies such as polyps, myomas or placental remnants
- Immediate suction of the resected tissue via the HYSTEROMAT E.A.S.I.® provides a comfortable work environment without disturbing tissue chips in the uterine cavity
- HYSTEROMAT E.A.S.I.® can be used for all hysteroscopic interventions
- Less risk of complications as HF current is not used
- Fully reusable system
**Intrauterine BIGATTI Shaver (IBS®)**
for use in office settings, clinical outpatient departments and IVF centers

26208 AMK  **HOPKINS® Wide Angle Straight Forward Telescope 6°, Set**, with parallel eyepiece, length 20 cm, 19 Fr., autoclavable, fiber optic light transmission incorporated with working channel, with LUER-Lock connection for inflow, color code: green-blue
including:
**HOPKINS® Wide Angle Straight Forward Telescope 6° Oburator**, for use with **HOPKINS® Telescope 26208 AMA LUER-Lock Tube Connector**

26 7020 50  **DRILLCUT-X® II Shaver Handpiece GYN**, for use with **UNIDRIVE® S III SCB**

40 7120 90  **Handle**, adjustable, for use with **DRILLCUT-X® II N shaver handpiece**

26208 SA  **Shaver Blade GYN**, straight, sterilizable, concave cutting edge, double serrated, oval cutting window, diameter 4 mm, length 32 cm, for use with **DRILLCUT-X® II Handpiece 26 7020 50**, color code: blue-green

26208 SB  **Shaver Blade GYN**, straight, sterilizable, double serrated cutting edge, rectangular cutting window, diameter 4 mm, length 32 cm, for use with **DRILLCUT-X® II Handpiece 26 7020 50**, color code: blue-yellow

26208 SZ  **Coagulation Electrode**, bipolar, for use with **Intrauterine BIGATTI Shaver (IBS®)**

26176 LE  **Bipolar High Frequency Cord**, length 300 cm

26 7010 01-1  **UNIDRIVE® S III, GYN Set**, motor system, with KARL STORZ-SCB, power supply 100-120/230-240 VAC, 50/60 Hz
including:
**Mains Cord**
**One-Pedal Footswitch**, two-stage, with proportional function and pump switch function
**SCB Connecting Cable**, length 100 cm

20 7010 70  **Control Cable**

26 3400 01-1  **HYSTEROMAT E.A.S.I.® SCB**, power supply 100-240 VAC, 50/60 Hz, HYSTEROMAT E.A.S.I.® SCB: SCB ready, compatible from RUI Release 45
including:
**Mains Cord**
**SCB Connecting Cable**
**Basic Tubing Set**, for single use
(5 x 031217-01 Tubing Set Suction / 5 x 031717-01 Tubing Set Irrigation)

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VITOM® – Visualization System for Gynecology

The VITOM® system provides excellent depth of field, optimal magnification, good contrast and excellent color reproduction, which are the ideal prerequisites for the best possible visualization of colposcopic findings, conizations and open surgical interventions. Furthermore, the VITOM® system magnifies the surgical site and provides an excellent view of the epithelial border, e.g., during loop excision.

- Magnified images during colposcopy or conization
- VITOM® system with integrated green filter
- Ideal for training, documentation or streaming of interventions
- Ergonomic work
- Enhanced light in the field of view due to the integrated illuminator
- Compact design requiring minimal space
- Compatible with the IMAGE1 S™ camera platform

Image source and further information on loop conization: “Primary, secondary and tertiary prevention of cervical cancer” - 2nd Edition, Prof. Dr. med. A. SCHNEIDER, M.P.H.
Overview

Holding Arm with Clamping Cylinder and Clamping Jaw for VITOM®

VITOM® Telescope 90° with Integrated Illuminator

Fiber Optic Light Cable

IMAGE1 S™ Camera System

Optional Accessories

FULL HD Monitor

Cold Light Fountain POWER LED 300 SCB
Visualization of the Lymphatic System with ICG in Tumor Surgery*

The OPAL1® technology for the NIR/ICG system and the marker indocyanine green (ICG) enable non-radioactive visualization of the entire lymphatic system surrounding a tumor in real time, e.g., in a laparoscopic manner.

- Non-radioactive lymph node detection method
- Multidisciplinary use
- OPAL1® technology for the NIR/ICG system based on the IMAGE1 S™ camera platform
- Xenon-based technology (no laser safety measures necessary)
- Intuitive switchover between standard white light and fluorescence mode via footswitch
- Physicians describe their surgical experience with the system as follows: NIR/ICG technology reduces radical lymphadenectomy and, at the same time, visual control makes the en-bloc resection of lymph nodes easier.

* Approval status may vary. Please inform yourself in advance at your hospital or in your country.
Laparoscopic Visualization of the Lymphatic System in Gynecology with the OPAL1® NIR/ICG Technology

In gynecology, the degree of tumor involvement in the sentinel lymph node (SLN) is of great importance as it provides medical information about the tumor stage and is thus one of the main prognostic factors. In breast cancer surgery, SLN detection with the radioactive tracer $^{99m}$Tc is the gold standard. In other areas of gynecological tumor surgery, its benefits in comparison to elective lymph node dissection is the subject of discussion. As a new, non-radioactive imaging technique, NIR imaging with ICG can prove useful, e.g., in the case of vulvar, endometrial, cervical or mammary carcinoma.¹ Laparoscopic SLN mapping of endometrial carcinoma yielded the following results (radioactive tracer $^{99m}$Tc vs. ICG):

<table>
<thead>
<tr>
<th>Study ¹²</th>
<th>Radioactive Tracer $^{99m}$Tc</th>
<th>ICG</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total SLN detection rate</td>
<td>Bilateral SLN</td>
</tr>
<tr>
<td>Study ¹²</td>
<td>83%</td>
<td>61%</td>
</tr>
</tbody>
</table>

² Imboden et al., Surg. Oncol. 2015
VITOM® II ICG –
Fluorescence Imaging in Open Surgery

Use for vulvar carcinoma

The VITOM® II ICG system from KARL STORZ provides an optimal solution for the sentinel lymph node mapping in the case of vulvar carcinoma. VITOM® II ICG is an exoscope that combines the benefits of both endoscopy and microscopy. It is used with the same camera system that is employed in endoscopy (IMAGE1 S™ camera platform). The high-quality visualization under white light is, of course, also preserved with VITOM® ICG telescopes.

- NIR/ICG visualization with the VITOM® II ICG system – in addition to technetium and blue dye – offers the surgeon a straightforward method for the detection and selective removal of sentinel lymph nodes (SLN) in the case of vulvar carcinoma.
- Possibility for the integration of VITOM® II ICG by means of a holding arm into the gynecologist’s operating field.
Camera System

CCU

Light Source

Camera Head

Light Cable

Endoscopes

IMAGE1 S™ System

IMAGE1 S CONNECT™
TC 200

ICG

IMAGE1 S™ H3-LINK
TC 300

D-LIGHT P/ 20 133701-1

IMAGE1 S™ H3-Z FI
TH 102

Fiber Optic Light Cable
495 NAC/NCSC/TIP/NCS/VIT

HOPKINS® Telescope
26003 ACA/BCA
26046 ACA/BCA

VITOM® II ICG
20 916025 AGA
28272 CN/UGK/HC
28172 HM/HR

VITOM®
The New Trocar Generation from KARL STORZ

The new trocar generation combines single-use and reusable components. In line with the KARL STORZ company philosophy, the cannulas and trocars were designed with reusable components in mind. The valve seal is intended for single use.

Special Features:

- Ergonomic shape of the trocar ensures safe and comfortable handling during placement of the trocar
- One-piece sealing system for single use
- Minimal friction between the valve seal and the instrument
- Considerably reduced weight and good balance thanks to the newly designed plastic trocar housing
- Color coding for clear identification of different sizes
- Available in the sizes 2.5 mm – 13.5 mm
<table>
<thead>
<tr>
<th>Size</th>
<th>2.5 mm</th>
<th>3.5 mm</th>
<th>6 mm</th>
<th>11 mm</th>
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</thead>
<tbody>
<tr>
<td>Working length</td>
<td>5 cm</td>
<td>5 cm</td>
<td>10 cm</td>
<td>10 cm</td>
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<tr>
<td>Color code</td>
<td>blue</td>
<td>green</td>
<td>black</td>
<td>green</td>
</tr>
<tr>
<td><strong>Trocar</strong>, with pyramidal tip including <strong>valve seal</strong>, for single use, package of 10</td>
<td>11603 GZS</td>
<td>30114 GZS</td>
<td>30114 GZG</td>
<td></td>
</tr>
<tr>
<td><strong>Trocar</strong>, with blunt conical tip including <strong>valve seal</strong>, for single use, package of 10</td>
<td>30114 GNS</td>
<td>30114 GNG</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Trocar</strong>, with conical tip including <strong>valve seal</strong>, for single use, package of 10</td>
<td>30114 GYS</td>
<td>30114 GYG</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>6 mm</th>
<th>11 mm</th>
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</thead>
<tbody>
<tr>
<td>Working length</td>
<td>5 cm</td>
<td>10 cm</td>
</tr>
<tr>
<td>Color code</td>
<td>black</td>
<td>green</td>
</tr>
<tr>
<td><strong>Trocar</strong>, with pyramidal tip including <strong>valve seal</strong>, for single use, package of 10</td>
<td>30160 GZS</td>
<td>30160 GZG</td>
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<tr>
<td><strong>Trocar</strong>, with blunt conical tip including <strong>valve seal</strong>, for single use, package of 10</td>
<td>30160 GNS</td>
<td>30160 GNG</td>
</tr>
<tr>
<td><strong>Trocar</strong>, with conical tip including <strong>valve seal</strong>, for single use, package of 10</td>
<td>30160 GYS</td>
<td>30160 GYG</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>13.5 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working length</td>
<td>10 cm</td>
</tr>
<tr>
<td>Color code</td>
<td>blue</td>
</tr>
<tr>
<td><strong>Trocar</strong>, with pyramidal tip including <strong>valve seal</strong>, for single use, package of 10</td>
<td>30108 GZG</td>
</tr>
<tr>
<td><strong>Trocar</strong>, with blunt conical tip including <strong>valve seal</strong>, for single use, package of 10</td>
<td>30108 GNG</td>
</tr>
<tr>
<td><strong>Trocar</strong>, with conical tip including <strong>valve seal</strong>, for single use, package of 10</td>
<td>30108 GYG</td>
</tr>
</tbody>
</table>

**Valve Seals**, for single use, package of 10

- For trocars size 2.5 mm: 11603-XV2
- For trocars size 3.5 mm: 30114-XV3
- For trocars size 6 mm: 30160-XV5
- For trocars size 11 mm: 30103-XV10
- For trocars size 13.5 mm: 30108-XV13

30141 RS **Reducer**, to reduce from 11 mm to 5 mm
30142 RS **Reducer**, to reduce from 13.5 mm to 5 mm
KECKSTEIN Uterine Manipulator

The versatile KECKSTEIN uterine manipulator makes gynecological surgery in the lower pelvis easier and safer. Presentation of the operative field during hysterectomy as well as organ-preserving surgery, e.g. in the case of endometriosis, is greatly enhanced in comparison to conventional manipulators thanks to the possibility of anteflexion and retroflexion of the distal tip and cap. Various configurable atraumatic inserts for interventions in reproductive medicine or oncology offer the operating surgeon completely new surgical possibilities.

- Reusable seal for Total Laparoscopic Hysterectomy
- Anteflexion and retroflexion of the distal tip and the cap
- Atraumatic inserts for organ-preserving interventions and surgical oncology
26168 Z  KECKSTEIN Uterine Manipulator, complete including:
Handle
Manipulator Sheath
Cap, diameter 37 mm, length 30 mm
Cap, diameter 42 mm, length 30 mm
Spiral Insert, diameter 15 mm
Spiral Insert, diameter 20 mm
Working Insert, diameter 6 mm, length 60 mm
Working Insert, diameter 6 mm, length 40 mm
Seal
Working Insert, for chromopertubation, diameter 3 mm, length 30 mm
Working Insert, atraumatic, diameter 5 mm, length 60 mm
Tenaculum Forceps
Holder for Tenaculum Forceps
Pertubation Tube
2x LUER-Lock Connector
Y-Tube Connector

26168 ZT  Seal, for use with the caps of KECKSTEIN Uterine Manipulator 26168 ZC/ZD/ZE

Optional accessories

26168 ZU  Cap, diameter 28 mm, length 30 mm
26168 ZV  Cap, diameter 32 mm, length 30 mm
26168 ZE  Cap, diameter 47 mm, length 30 mm
26168 ZF  Spiral Insert, diameter 12 mm
26168 ZK  Working Insert, diameter 6 mm, length 80 mm
26168 ZS  Working Insert, diameter 6 mm, length 30 mm
26168 ZN  Working Insert, for chromopertubation, diameter 3 mm, length 50 mm
26168 ZO  Working Insert, atraumatic, diameter 5 mm, length 40 mm
26168 ZR  Working Insert, atraumatic, diameter 5 mm, length 90 mm
SCHÄR Manipulator

THE instrument for laparoscopic descensus surgery

For laparoscopic sacrocolpopexy, which has increasingly become the standard procedure for treating various forms of prolapses characterized by a descensus of the vaginal vault or uterus, KARL STORZ now offers a multifunctional instrument – the SCHÄR manipulator.

Thanks to the variable adjustable working insert, it provides optimal support for performing the following procedures:

- Supracervical hysterectomy
- Sacrocervicopexy surgery after supracervical hysterectomy
- Sacrocolpopexy of the vaginal stump after a previous hysterectomy
- Sacrohysteropexy (sacrocolpopexy with uterine preservation)

The flat shape of the manipulator allows optimal visualization and dissection of the front and back walls of the vagina in order to fixate the mesh with a suture.

26168 SC  SCHÄR Manipulator
including:
Handle, incl. cleaning adaptor
Working Element and Working Insert
SupraLoop – Bipolar Loop Now Available

For laparoscopic supracervical hysterectomy

In addition to the well-known SUPRALOOP unipolar loop, KARL STORZ now offers a bipolar SUPRALOOP for the removal of the uterus in supracervical hysterectomy.

- No neutral electrode necessary for the bipolar SUPRALOOP
- Loop available in two sizes
- Reduced operating time thanks to quick removal of the uterus
- Additional cost savings thanks to reusable handle and outer sheath

26183 N SUPRALOOP Set, bipolar, size 5 mm, length 30 cm
   consisting of:
   26183 NA Handle, with connector pin for bipolar coagulation, autoclavable
   26183 MB Outer Sheath, insulated, autoclavable, size 5 mm, length 30 cm
   26183 NC Spare Loop for SUPRALOOP, size 120 x 85 mm, unsterile, for single use

26183 ND Spare Loop for SUPRALOOP, bipolar, size 200 x 150 mm, unsterile, for single use,
   for use with Handle 26183 NA and Outer Sheath 26183 MB

It is recommended to check the suitability of the product for the intended procedure prior to use.