Looking for new endoscopy clients?

Register at lapspay.com to start receiving FREE referrals for laparoscopy and other endoscopic procedures

- Lapspay.com educates pet owners on the application and benefit of endoscopy in veterinary medicine
- Pet owners can search for vets in their area who offer endoscopy
- Registration is free
EasyGO!® II Generation – Tubular System for Endoscopic Spine Surgery

Special Features:

- A wide range of applications for treating degenerative spine diseases at the lumbar and cervical levels
- The second, completely reworked generation provides significantly more working space and application possibilities
- Specially adapted telescopes and the high-resolution KARL STORZ FULL HD technology enable clear and distinct differentiation of anatomic structures
- Sequential dilation and the use of smaller trocar sizes can reduce muscle trauma and skin incision length
- Specially developed malleable drill handpieces for use with all trocar lengths
Visualization

28095 BAA HOPKINS® Forward-Oblique Telescope 25°, eyepiece angled 90°, diameter 4 mm, length 6 cm, autoclavable, fiber optic light transmission incorporated, for use with 4 cm long EASYGO® II Trocars 28163 OTA, 28163 OTB and 28163 OTC

28095 BAB HOPKINS® Forward-Oblique Telescope 25°, eyepiece angled 90°, diameter 4 mm, length 9 cm, autoclavable, fiber optic light transmission incorporated, for use with 7 cm long EASYGO® II Trocars 28163 OTM, 28163 OTK and 28163 OTG

28095 BAC HOPKINS® Forward-Oblique Telescope 25°, eyepiece angled 90°, diameter 4 mm, length 11 cm, autoclavable, fiber optic light transmission incorporated, for use with 10 cm long EASYGO® II Trocars 28163 OTW, 28163 OTY, 28163 OTZ

Access

A sequential dilation system is used to introduce the trocars. The trocars are then combined with the corresponding trocar attachments, telescope holders and suitable telescopes.

<table>
<thead>
<tr>
<th>Orange Trocar (diameter 15 mm)</th>
<th>Green Trocar (diameter 19 mm)</th>
<th>Black Trocar (diameter 23 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trocar Attachments</td>
<td>Trocar Holders</td>
<td>Trocars</td>
</tr>
<tr>
<td>28163 OAM Diameter 15 mm</td>
<td>28163 OBM</td>
<td>28163 OTA Working length 40 mm</td>
</tr>
<tr>
<td>28163 OAK Diameter 19 mm</td>
<td>28163 OBK</td>
<td>28163 OTM Working length 70 mm</td>
</tr>
<tr>
<td>28163 OAG Diameter 23 mm</td>
<td>28163 OBG</td>
<td>28163 OTW Working length 90 mm</td>
</tr>
</tbody>
</table>

Endoscopes

<table>
<thead>
<tr>
<th>Endoscopes</th>
<th>28095 BAA</th>
<th>28095 BAB</th>
<th>28095 BAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter</td>
<td>diameter 4 mm</td>
<td>diameter 4 mm</td>
<td>diameter 4 mm</td>
</tr>
<tr>
<td>Length</td>
<td>length 6 cm</td>
<td>length 9 cm</td>
<td>length 11 cm</td>
</tr>
</tbody>
</table>

Management of Hemorrhage

28163 BPL Bipolar Coagulation Forceps, insulated, bayonet-shaped, tip 1.2 mm, length 23 cm, for use with Bipolar High Frequency Cords 847000 E or 847000 M/T/V/W

28163 GX Suction Tube, with cut-off hole, Luer, diameter 2.5 mm, working length 15 cm

28163 GXN Suction Tube, with distal nerve retractor, with cut-off hole, Luer-Lock connector, diameter 2.7 mm, working length 15 cm
Dissection and Closure

28163 CC  Spoon Forceps, dismantling, robust, oval, spoon size 3 x 10 mm, single action jaws, working length 20 cm

28163 EC  Spoon Forceps, dismantling, curved 30°, robust, oval, spoon size 3 x 10 mm, single action jaws, working length 20 cm

28163 CFB  KERRISON Bone Punch, dismantling, 40° upbiting, not through-cutting, 4 mm, working length 24 cm

28163 CFS  KERRISON Bone Punch, dismantling, 40° upbiting, not through-cutting, 2 mm, working length 24 cm

28163 GRN  Nerve Retractor, angled 30°, distal width 5 mm, working length 17 cm

28163 EHK  Hook Scissors, single action jaws, diameter 2.5 mm, working length 25 cm

The complete set configuration is available in the Neurosurgery catalog.
SILVER SCOPE® Veterinary Video Endoscopes

Extended lengths and small diameters are ideally suited for numerous veterinary applications in small and large animals

- Large working channel allows bigger biopsies and the use of larger instruments for foreign body retrieval
- KARL STORZ video endoscopes deliver brilliant and clear images
- Utilizes the same camera processor and light source as KARL STORZ rigid endoscopes and fiberscopes for more cost-effective use in veterinary practices with multiple endoscopy services
- Deflections ranging from 180° to 210° make it possible to visualize otherwise hard-to-reach areas
60714 PKSK/NKSK  **Veterinary Video Endoscope, Set**, SILVER SCOPE® series, color systems PAL/NTSC, sheath diameter 7.9 mm, working channel diameter 2.8 mm, working length 140 cm, deflection up/down 180°/110°, left/right 110°/110°, field of view 120°, depth of field 2-200 mm including:

- **Veterinary Video Endoscope**, basic unit, SILVER SCOPE® series, with case, pressure compensation cap and instruction manual
- **Leakage Tester**
- **Rubber Leaflet Valve**, package of 10
- **Irrigation Tube**, for working channel
- **Y-Irrigation Tube**
- **Suction Valve**, SILVER SCOPE® series
- **Cleaning Brush**, flexible, 5 mm, 230 cm
- **Water Bottle**, 250 ml
- **Valve Brush**
- **Air/Water Valve**, SILVER SCOPE® series
- **Cleaning Valve**, SILVER SCOPE® series
- **Protective Film**
- **Video Connecting Cable**, TELECAM

60511 PKSK/NKSK  **Veterinary Video Endoscope, Set**, SILVER SCOPE® series, color systems PAL/NTSC, sheath diameter 5.9 mm, working channel diameter 2 mm, working length 110 cm, deflection up/down 210°/100°, left/right 120°/120°, field of view 120°, depth of field 2-200 mm including:

- **Veterinary Video Endoscope**, basic unit, SILVER SCOPE® series, with case, pressure compensation cap and instruction manual
- **Leakage Tester**
- **Rubber Leaflet Valve**, package of 10
- **Irrigation Tube**, for working channel
- **Y-Irrigation Tube**
- **Cleaning Valve**, SILVER SCOPE® series
- **Suction Valve**, SILVER SCOPE® series
- **Air/Water Valve**, SILVER SCOPE® series
- **Cleaning Brush**, for working channel
- **Water Bottle**, 250 ml
- **Video Connecting Cable**
- **Protective Film**
- **Valve Brush**
As Every Detail Counts – Visibly Higher Resolution with the Flexible Uretero-Renoscopes FLEX-X<sup>C</sup> and FLEX-X<sup>2S</sup>

KARL STORZ presents a new generation of flexible uretero-renoscopes that enables you to benefit from proven properties such as minimal sheath circumference, excellent torque stability and maneuverability – now combined with a noticeably higher image resolution. During the course of product development, it was possible to maximize the image quality of the FLEX-X<sup>C</sup> video uretero-renoscope, while the number of fibers for the FLEX-X<sup>2S</sup> uretero-reno-fiberscope could be doubled.

A wide range of optional accessories such as stone baskets, laser fibers and guide wires rounds off the product portfolio.

**Video Uretero-Renoscope FLEX-X<sup>C</sup>:**
- Now with 2.6x higher image resolution
- Larger, clearer images at high zoom levels
- Optimized visualization with S-Technologies

**Uretero-Reno-Fiberscope FLEX-X<sup>2S</sup>:**
- Now with double fiber capacity
- True-to-detail image quality thanks to higher resolution
Flexible Uretero-Renoscopes

11278 VSK  **Video Uretero-Renoscope FLEX-X®, Set**, steerable, compatible with IMAGE1 S™, deflection of distal tip 270°/270°, direction of view 0°, angle of view 90°, working channel 3.6 Fr., sheath size 8.5 Fr., working length 70 cm

11278 AK1  **Uretero-Reno-Fiberscope FLEX-X², Set**, steerable, deflection of distal tip 270°/270°, direction of view 0°, angle of view 88°, working channel inner diameter 3.6 Fr., sheath size 7.5 Fr., working length 67 cm, including 2x LUER-Lock tube connectors

The following accessories are included in delivery:
- Case
- Pressure Compensation Cap
- Leakage Tester
- Cleaning Brush
- LUART-Adaptor, with seal

Optional Accessories

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Reusable</th>
<th>For single use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiber Fixation Kit, for the fixation of laser fibers in the working channels of flexible endoscopes up to diameter 1 mm including: Fiber Fixation Cleaning Adaptor Seal, package of 10</td>
<td>11014 YK</td>
<td>–</td>
</tr>
<tr>
<td>Endoscopic Seal, for working channels of 3-7 Fr. instruments, package of 10</td>
<td>–</td>
<td>100010-10*</td>
</tr>
<tr>
<td>Stone Basket, nitinol, without tip, straight, 1.9 Fr., length 120 cm, 4 wires, basket diameter 12 mm</td>
<td>–</td>
<td>27023 LB</td>
</tr>
<tr>
<td>Guide Wire, 3 Fr., with ball end, package of 10</td>
<td>–</td>
<td>27025 P</td>
</tr>
<tr>
<td>CALCULASE II Fiber, 230 µm, length 300 cm, package of 6, for use with CALCULASE II</td>
<td>27 750271-P6</td>
<td>27 750277-P6</td>
</tr>
<tr>
<td>Cleaning Brush, length 90 cm, brush diameter 1.7 mm, unsterile, for single use, package of 50, for use with flexible endoscopes, with working channel diameters 1.2-1.5 mm</td>
<td>–</td>
<td>110930-50</td>
</tr>
</tbody>
</table>

Further flexible uretero-renoscopes can be found in the Urology catalog.
New Basic Small Animal Arthroscopy Instrument Set

As recommended by Dr. Brian Beale

- Basic set includes a range of instruments for performing the most common arthroscopic procedures in dogs and cats
- New designs and small dimensions enable instruments to fit into previously unreachable spaces
- Strong grasping power
- Developed in cooperation with Brian Beale, DVM, DACVS, Gulf Coast Veterinary Specialists, Texas, USA
64145 S  **Hook and Retractor**, graduated, diameter 3.5 mm, length of hook 2 mm, working length 8 cm

28145 SN  **Probe**, graduated, length of hook 2 mm, diameter 1 mm, working length 4 cm

64146 K  **Curette**, spoon-shaped, round, straight, diameter 2.3 mm, for use with Trocar 64183 X

28571 AG  **SILGRASP® PRO Alligator Grasping Forceps**, straight jaws, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm

28572 AG  **SILGRASP® PRO Alligator Grasping Forceps**, serrated, straight jaws, sheath diameter 2.8 mm, straight, handle with cleaning connector, working length 8.5 cm

28572 AD  **SILCUT® PRO Punch**, through-cutting, cross-toothed, cutting width 2 mm, straight jaws, sheath diameter 2.5 mm, straight, handle with cleaning connector, working length 8.5 cm

28572 AE  **SILCUT® PRO Punch**, through-cutting, cross-toothed, cutting width 1 mm, straight jaws, sheath diameter 2.5 mm, straight, handle with cleaning connector, working length 8.5 cm

28171 SPN  **SILCUT® Scissor Punch**, through-cutting, cutting width 0.5 mm, straight jaws, sheath diameter 3 mm, straight, handle with cleaning connector, working length 12 cm

28572 CG  **SILGRASP® PRO Cartilage Grasping Forceps**, spoon-shaped jaws, straight jaws, sheath diameter 2.8 mm, straight, handle with cleaning connector, working length 8.5 cm

64728 SL  **Articulated Lever**, working length 16 cm

64146 T  **Irrigation Cannula**, Luer-Lock, with stopcock, diameter 3.2 mm, length 7 cm

28146 QB  **Obturator**, blunt, for use with 28146 Q
ENDOMAT® SELECT – The Choice is Yours

ENDOMAT® SELECT is an interdisciplinary roller pump for the irrigation or suction of fluids during surgical and diagnostic procedures.

Benefits at a glance:

- Cost-efficient pump as modular design supports basic functionality across various fields of application
- Extremely simple handling thanks to tubing set for single hand control
- Safe use thanks to tubing set recognition
- Seamless integration into existing systems
**UP 210**  
**ENDOMAT® SELECT SCB,**  
suction and irrigation pump, incl. mains cord,  
power supply 100-240 VAC, 50/60 Hz

**UP 609**  
**VET Software, license,**  
allows selection of the procedures “Small Animal” and “Large Animal” in arthroscopy and “SURG”,  
“Direct Suction” and “Bottle Suction” in surgery,  
for use with ENDOMAT® SELECT UP 210

031524-10* **Tubing Set, irrigation, flow-controlled,**  
sterile, for single use, package of 10, for use with  
KARL STORZ HAMOU® ENDOMAT® 26 3311 20 and ENDOMAT® SELECT UP 210

031523-10* **Tubing Set, irrigation, pressure-controlled,**  
sterile, for single use, package of 10, for use with  
KARL STORZ HAMOU® ENDOMAT® 26 3311 20 and ENDOMAT® SELECT UP 210

030647-10* **Tubing Set, suction, direct suction,**  
sterile, for single use, package of 10, for use with  
KARL STORZ HAMOU® ENDOMAT® 26 3311 20 and ENDOMAT® SELECT UP 210

031647-10* **Tubing Set, suction, bottle suction,**  
sterile, for single use, package of 10, for use with  
KARL STORZ HAMOU® ENDOMAT® 26 3311 20 and ENDOMAT® SELECT UP 210
IMAGE1 S™ HX FULL HD Camera Head


- FULL HD image resolution (1920 x 1080p, 16 x 9 aspect ratio) delivers brilliant, true color images
- Cost effective FULL HD imaging solution
- Ergonomic and lightweight (only 130 grams)
- Part of the IMAGE1 S™ modular camera platform
Specifications:

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frame rate</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>Image sensor</td>
<td>1 chip, 1/3”</td>
</tr>
<tr>
<td>Resolution</td>
<td>1920 x 1080 pixels</td>
</tr>
<tr>
<td>Scanning method</td>
<td>progressive scan</td>
</tr>
<tr>
<td>Lens</td>
<td>fixed focus</td>
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<tr>
<td>Focal length</td>
<td>f = 16</td>
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<tr>
<td>Dimensions (w x h x l)</td>
<td>35 x 36 x 100 mm</td>
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<tr>
<td>Weight</td>
<td>130 g</td>
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<tr>
<td>Cable length</td>
<td>300 cm</td>
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<tr>
<td>Cable guide</td>
<td>angled</td>
</tr>
<tr>
<td>Camera head buttons</td>
<td>freely programmable</td>
</tr>
<tr>
<td>Grip mechanism</td>
<td>standard eyepiece adaptor</td>
</tr>
<tr>
<td>Reprocessing</td>
<td>soakable, gas and plasma sterilization</td>
</tr>
<tr>
<td>Protection classes</td>
<td>1, CF-Defib</td>
</tr>
</tbody>
</table>
VITOM® 3D – 3D Visualization for Neurosurgery

The VITOM® 3D system provides many surgical disciplines with a revolutionary solution for the visualization of microsurgical and open surgical interventions. Application possibilities are similar to that of the operating microscope. The most important functions are controlled via the IMAGE1 PILOT which is mounted to the OR table in close proximity to the surgeon.

- Smaller, lighter and more compact than an operating microscope
- Lower acquisition costs and creates synergistic effects with endoscopy by using the same video tower – thus combining the benefits of endoscopy and microscopy
- Ergonomic work – the user is not confined to the eyepiece
- Improved workflow – the OR team can view the procedure in the same image quality as the surgeon
Overview

VITOM® 3D with integrated illuminator

Fiber Optic Light Cables

Holding Arm for VITOM® 3D

Sterile Cover for VITOM® 3D

IMAGE1 PILOT

IMAGE1 PILOT Sterile Cover

IMAGE1 S™ Camera System

Cold Light Fountain POWER LED 300 SCB

Holding Arm for IMAGE1 PILOT

3D Monitors

3D Polarization Glasses, 3D Clip-on Glasses

Note: VITOM® 3D can also be used for other fields of application such as, for example, ENT, HAND and PLASTIC SURGERY or SPINE SURGERY as well as conventional open surgery, e.g., CARDIOVASCULAR SURGERY.