

# Highlights 2019

Veterinary Endoscopy

Small Animals





## Looking for new endoscopy clients?

Register at [lapspay.com](https://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.

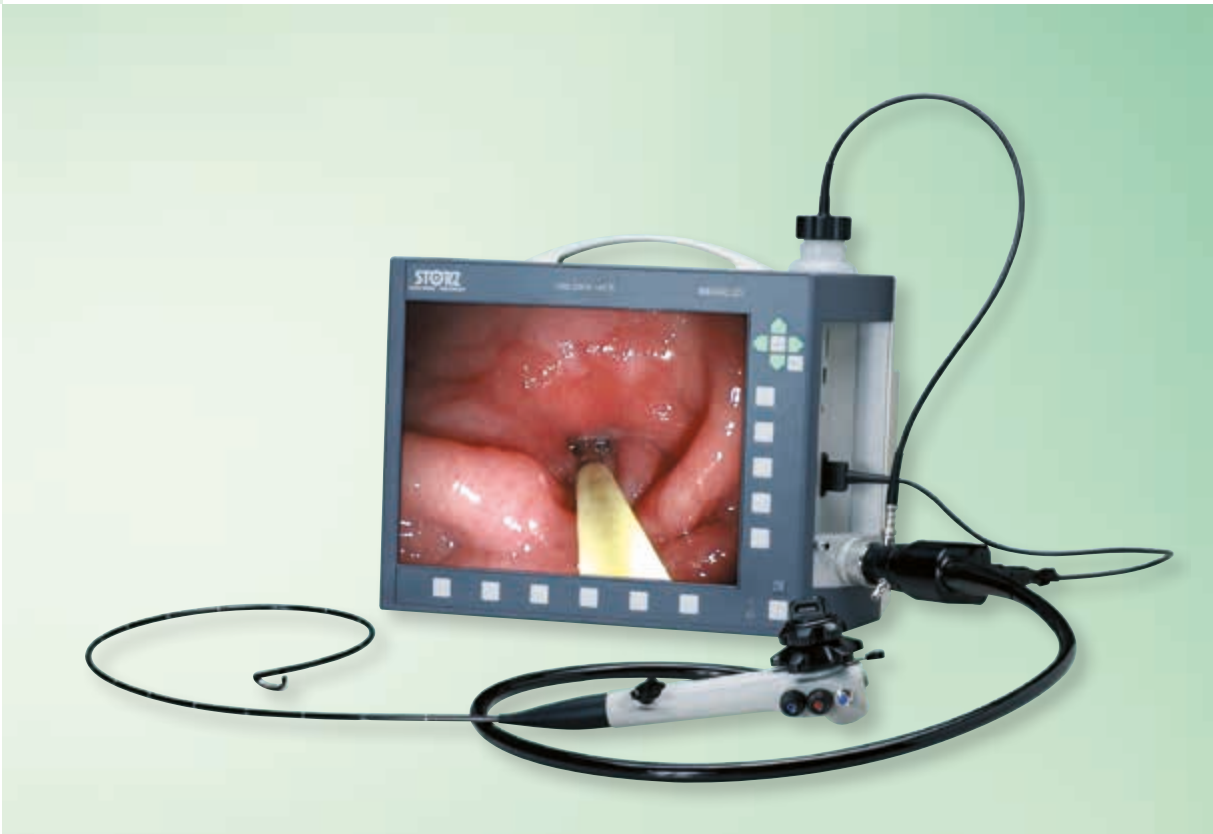
Orange Trocar (diameter 15 mm)			Green Trocar (diameter 19 mm)		Black Trocar (diameter 23 mm)		
Trocar Attachments	28163 OAM Diameter 15 mm	Telescope Holders	28163 OBM	Trocars	28163 OTA working length 40 mm	28163 OTM working length 70 mm	28163 OTW working length 90 mm
	28163 OAK Diameter 19 mm		28163 OBK		28163 OTB working length 40 mm	28163 OTK working length 70 mm	28163 OTY working length 90 mm
	28163 OAG Diameter 23 mm		28163 OBG		28163 OTC working length 45 mm	28163 OTG working length 75 mm	28163 OTZ Working Length 95 mm
Endoscopes					28095 BAA diameter 4 mm length 6 cm	28095 BAB diameter 4 mm length 9 cm	28095 BAC diameter 4 mm length 11 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

## Bleeding Management

- 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



## 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-Renoskope

60278 VSK **FLEX-X<sup>c</sup> Veterinary**, Kit, steerable, working channel 3.6 Fr., direction of view 0°, deflection of distal tip 270°/270°, angle of view 0°, sheath size 8.5 Fr., working length 70 cm

11278 AK1 **Uretero-Reno-Fiberscope FLEX-X<sup>2S</sup>, 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

### Optional Accessories

Optional Accessories		Reusable	For single use 
	<b>Fiber Fixation Kit</b> , for the fixation of laser fibers in the working channels of flexible endoscopes up to diameter 1 mm including: <b>Fiber Fixation Cleaning Adaptor Seal</b> , package of 10	11014 YK	–
	<b>Endoscopic Seal</b> , <span>STERILE</span> for working channels of 3-7 Fr. instruments, package of 10	–	100010-10*
	<b>Stone Basket</b> , nitinol, without tip, straight, 1.9 Fr., length 120 cm, 4 wires, basket diameter 12 mm <span>STERILE</span>	–	27023 LB
	<b>Guide Wire</b> , 3 Fr., with ball end, package of 10 <span>STERILE</span>	–	27025 P
	<b>CALCULASE III Fiber</b> , <span>STERILE</span> 230 µm, length 300 cm, package of 6, for use with CALCULASE III	UL007 S5	UL004 S5
	<b>Cleaning Brush</b> , 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	–	110930-50



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	<b>Probe</b> , graduated, length of hook 2 mm, diameter 1.5 mm, working length 8.5 cm
28145 SN	<b>Probe</b> , graduated, length of hook 2 mm, diameter 1 mm, working length 4 cm
64146 K	<b>Curette</b> , spoon-shaped, round, straight, diameter 2.3 mm, for use with Trocar 64183 X
28572 AE	<b>SILCUT® PRO Punch</b> , 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
64728 SL	<b>Articulated Lever</b> , working length 16 cm
64146 T	<b>Irrigation Cannula</b> , LUER-Lock, with stopcock, diameter 3.2 mm, length 7 cm
28146 QB	<b>Obturator</b> , blunt, for use with cannulas
64572 AGS	<b>SILGRASP® PRO Alligator Grasping Forceps</b> , serrated, tapered, low profile jaws, diameter 2.8 mm, straight, handle with ratchet and cleaning connector, working length 8.5 cm
64146 LS	<b>Knife</b> , hook-shaped, straight, width 2.5 mm
64146 KS	<b>Knife</b> , straight, width 2.5 mm
486102	WALTER <b>Osteotome</b> , flat, double-edged grinding, width 2 mm, length 19 cm
174200	COTTLE <b>Metal Mallet</b> , length 18 cm



## Needle Arthroscopy: Because Size Matters

New dimensions for minimally invasive diagnosis of joint diseases at minimal risk

- Facilitates diagnostic arthroscopy with minimal anesthesia or heavy sedation
- Reduced risk of complications
- Tiny 1 mm endoscope

- 60508 A     **Miniature Straight Forward Telescope 0°**, diameter 1 mm, working length 6 cm, fiber optic light transmission incorporated, **autoclavable**, eyepiece and light connection separate from the instrument
- 28117 R     **Arthroscope Sheath**, with lateral LUER-Lock connector, diameter 1.3 mm, working length 4 cm, for use with Miniature Straight Forward Telescope 0° 11508 and Obturators 28117 RS/RB
- 28117 RS     **Obturator sharp**, for use with Arthroscope Sheath 28117 R
- 28117 RB     **Same**, blunt



## 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

### Single Use Tubing Sets

- |            |  |   |
|------------|--|---|
| 031524-10* | <b>Tubing Set, irrigation, flow-controlled,</b><br>sterile, for single use, package of 10, for use with<br>HAMOU® ENDOMAT® SCB <b>263311</b> 20-1 and ENDOMAT® SELECT UP 210     | STERILE    |
| 031523-10* | <b>Tubing Set, irrigation, pressure-controlled,</b><br>sterile, for single use, package of 10, for use with<br>HAMOU® ENDOMAT® SCB <b>263311</b> 20-1 and ENDOMAT® SELECT UP 210 | STERILE    |
| 030647-10* | <b>Tubing Set, suction, direct suction,</b><br>sterile, for single use, package of 10, for use with<br>ENDOMAT® SELECT UP 210  | STERILE    |
| 031647-10* | <b>Tubing Set, suction, bottle suction,</b><br>sterile, for single use, package of 10, for use with<br>ENDOMAT® SELECT UP 210  | STERILE  |

### Reusable Tubing Sets

- UP 007      **Tubing Set, Irrigation, flow-controlled,**  
reusable, sterilizable, for use with HAMOU® ENDOMAT® SCB **263311** 20-1  
and ENDOMAT® SELECT UP 210
- UP 008      **Tubing Set, Irrigation, pressure-controlled,**  
reusable, sterilizable, for use with HAMOU® ENDOMAT® SCB **263311** 20-1  
and ENDOMAT® SELECT UP 210
- UP 009      **Tubing Set, Suction, direct suction,**  
reusable, sterilizable, for use with ENDOMAT® SELECT UP 210
- UP 010      **Tubing Set, Suction, bottle suction,**  
reusable, sterilizable, for use with ENDOMAT® SELECT UP 210



## 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

Holding Arm for VITOM® 3D



28272 HSP

VITOM® 3D  
with integrated illuminator



TH 200

Sterile Cover for  
VITOM® 3D



TH 001\*

Fiber Optic Light Cables



495 VIT

IMAGE1 PILOT  
IMAGE1 PILOT Sterile Cover



TC 014  
041150-20\*

IMAGE1 S™ Camera System



TC 201  
TC 302

Cold Light Fountain POWER LED 300 SCB



TL 300

Holding Arm for IMAGE1 PILOT



28272 HB  
28172 HR

3D Monitors



TM 350, TM 330

3D Polarization Glasses,  
3D Clip-on Glasses



TM 003  
9800 C

**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.



Further information and an overview of  
Veterinary Endoscopy  
products from KARL STORZ  
can be viewed on



[www.karlstorz.com](http://www.karlstorz.com)  
in the section Endoscopy in Veterinary Medicine

