

Veterinary Endoscope for Insemination & Hysteroscopy



A Revolution in Artificial Insemination

Endoscopy is the best method for diagnosing and treating conditions of the genitourinary tract in bitches. The fine diameter and extended length of the KARL STORZ TCI endoscope allows easy access to the cervix and uterus in bitches of all sizes. An integrated working channel enables the insertion of instruments under direct visualization for procedures such as insemination, biopsy, aspiration, flushing and removal of foreign material.



Prof. Alain FONTBONNE, DVM, PhD, Dip.ECAR, Head of the Centre d'Etude en Reproduction des Carnivores (CERCA) at Alfort National Veterinary College in Paris, France, performs transcervical insemination in a bitch with assistance from Paulo Borges, DVM and Cindy Maenhoudt, DVM, DACT, DECAR. For a listing of available seminars, visit karlstorz.com or contact us at vetglobal@karlstorz.com

Compared to surgical insemination, endoscopic transcervical insemination (TCI) is less painful, less invasive and no post-operative care is needed. TCI is typically performed without sedation, making it easier than other methods.

Applications:

- Visual evaluation of the vagina, cervix and uterus
- Transcervical Insemination (TCI) - possibility of several inseminations during the fertile period
- Diagnosis and possible treatment of vaginal defects (septa, strictures, adhesions)
- Visualization of the vaginal wall and cervix during TCI, addressing possible problems (cervicitis) to improve TCI outcomes
- Biopsy of masses in the vagina, cervix and uterus
- Flushing of the uterus to collect samples
- Diagnosis of a retained fetus or placenta (and possible removal)
- Assessment of obstructive dystocia



Insertion of the endoscope into the vagina. The use of a finger over the end of the endoscope during insertion may help to prevent inadvertently introducing the telescope into the urethral opening.

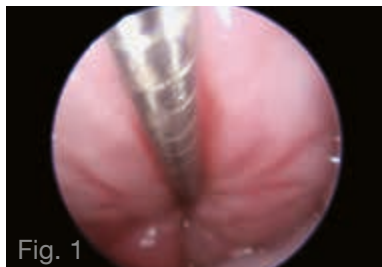


Fig. 1

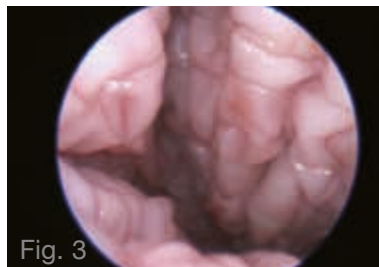


Fig. 3

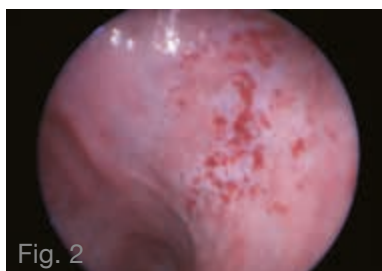


Fig. 2

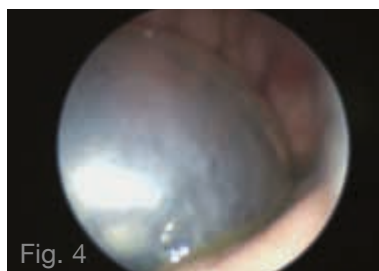


Fig. 4

Fig.1: Catheterization of the cervix for artificial insemination or diagnostic procedures, including uterine biopsies

Fig.2: Hysteroscopy: presence of petechiae on the endometrium (possible sign of endometritis)

Fig.3: Vaginal wall during oestrus, showing the crenulations

Fig.4: Visualization of an amniotic sac in the cranial vagina of a bitch at stage 1 of parturition

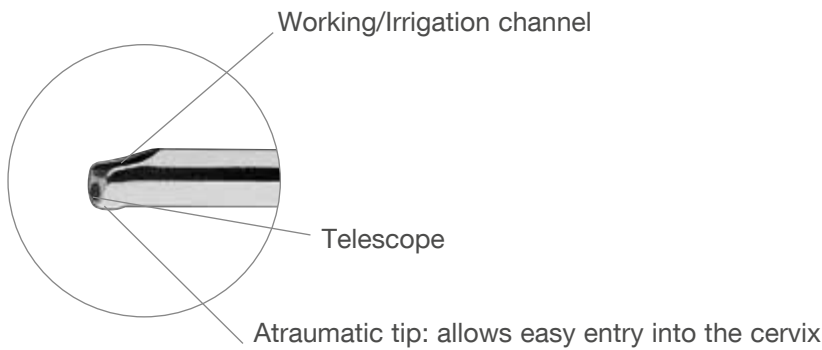
Hysteroscope/TCI Endoscope

Special features:

- **Atraumatic distal sheath with rounded tip**
- **Minimal shaft diameter, extended length facilitates cervical catheterization in small and large patients**
- **The large working channel allows the use of rigid instruments and catheters up to 5 Fr.**
- **2 right angled lateral irrigation connections**
- **The rigid angled eyepiece makes working more comfortable and ensures easy introduction of catheters and instruments without bending or kinking**

Specifications:

Distal tip:	8 Fr.
Sheath:	9.5 Fr., conical, 1 step 9.5-13.5 Fr.
Working channel:	6 Fr., for use with instruments up to 5 Fr.
Telescope:	KARL STORZ Fiberoptic system, direction of view 6°
Length:	43 cm
Eyepiece:	angled, rigid



63002 LA **Hysteroscope/TCI Endoscope,**
length 43 cm, **autoclavable**



27001 G

The following accessories are included:

- | | |
|----------|---|
| 27001 G | Instrument Port with Sealing System and Quick Release Lock |
| 27550 N | Seal, for Instrument Port 27001 G, package of 10 |
| 27001 RA | Cleaning Adaptor, for port 27001 G |

Optional Instruments



27425 F

Forceps for grasping stone fragments, rigid, double action jaws, 5 Fr., length 60 cm



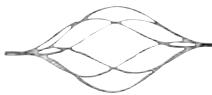
27425 P

Forceps for grasping larger stones and fragments, rigid, double action jaws, 5 Fr., length 60 cm



27425 Z

Biopsy Forceps, rigid, double action jaws, 5 Fr., length 60 cm



67023 VK

Stone Basket, flexible, 5 Fr., length 60 cm including:
3-Ring Handle
Basket
Coil



27651 UB

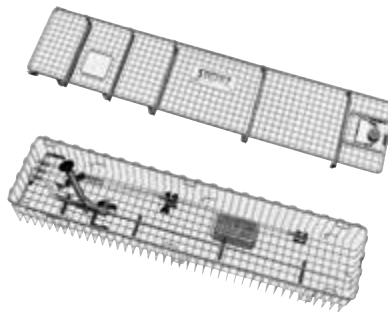
Cleaning Brush, round, flexible, outer diameter 2.2 mm, for working channel diameter 0.8-2 mm, length 60 cm



63002 MK

TCI Catheter, 5 Fr., length 70 cm

Wire Tray for Cleaning, Sterilization and Storage



39501 X

Wire Tray for Cleaning, Sterilization and Storage, with integrated cleaning adaptor for washer-disinfector, with lid, spare parts basket 39501 XS and silicone telescope holders, external dimensions (w x d x h): 644 x 150 x 80 mm

Mobile Endoscopic Imaging System

Five devices, one compact unit

This high-performance, all-in-one unit integrates every component necessary for endoscopic imaging: camera, light source, monitor, insufflation pump and image capture. The TELE PACK VET X LED is compatible with all types of endoscopes, including videoendoscopes, rigid telescopes, fiberscopes and exoscopes.



RP 100 S1 **TELE PACK VET X LED**, endoscopic video unit for use with all KARL STORZ TELECAM one-chip camera heads, veterinary video camera heads and video endoscopes, with integrated insufflation pump, incl. LED light source similar to Xenon technology, with integrated digital Image Processing Module, 15" LCD TFT monitor with LED backlight, USB/SD memory module, color systems PAL/NTSC, power supply 100 – 240 VAC, 50/60 Hz
including:
USB Flash Drive, 32 GB
Mains Cord
Mains Cord, US plug
Case

RP 100 S2 **Same**, without case

For Optional Accessories, see ENDOWORLD® VET 36, TELE PACK VET X LED

Camera Head



20 2120 30
20 2121 30

PAL
NTSC

TELECAM
One-Chip Camera Head

color systems PAL/NTSC, soakable, gas-sterilizable, with integrated Parfocal Zoom Lens, $f = 25\text{-}50\text{ mm}$, (2x), 2 freely programmable camera head buttons

For other camera head options, see **ENDOWORLD® VET 36, TELE PACK VET X LED**

Fiber Optic Light Cable



69495 NA **Fiber Optic Light Cable**, with straight connector, diameter 3.5 mm, length 230 cm

Adaptor



20030030 **Adaptor**, with insufflation connector



610 AFT **Silicone Tubing Set**, with a male/female LUER-Lock connector, **autoclavable**, length 250 cm





THE DIAMOND STANDARD

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