Endoscopy in Small Exotic Animals
Set for birds, reptiles, amphibians, small mammals and fishes
Endoscopy – an Essential Tool for the Exotic Animal Veterinarian

**Structures Visualized:**
- Heart
- Lungs
- Air sac
- Proventriculus
- Ventriculus
- Intestines
- Pancreas
- Spleen
- Adrenal glands
- Kidneys
- Ureter
- Reproductive tract
- Esophagus
- Crop
- Cloaca
- Trachea
- Syrinx
- Fat bodies
- Swim bladder
- Gills
- Teeth
- Larynx
- Liver

**Endoscopic Procedures:**
- Coelioscopy
- Biopsy
- Gender identification
- Sampling of debris
- Foreign body retrieval
- Cloacoscopy
- Cystoscopy
- Rhinoscopy
- Otoscopy
- Vaginoscopy
- Intubation
- Thoracoscopy
- Arthroscopy
- Minimally invasive surgery
- LASER and Electro surgery
- Fine needle injection or aspiration
- Saline-infused gastro-intestinal endoscopy
- Therapeutic curettage and lavage of lesions
- Salpingectomy, ovariectomy, orchidectomy
- Oral cavity examination and dental procedures
The small and delicate nature of many exotic animals makes them ideally suited for endoscopy. In fact, the benefits of magnification, illumination and minimal invasion have led to the widespread acceptance of endoscopy as a routine diagnostic technique in birds, reptiles, amphibians, small exotic mammals and fish.

Comments from veterinarians

“This makes me more confident as a practitioner.”

“I am finally getting answers that I would have otherwise missed.”

“We all know that a definitive diagnosis requires a biopsy!”

“I get more referrals and better income!”

“How can I afford NOT to have endoscopy?”

Fig. 1: Turtle, immature ovary
Fig. 2: Iguana, testes and vas deferens
Fig. 3: Iguana, esophagus with fluid infusion
Fig. 4: Ferret, cranial abdomen
Fig. 5: Plum-headed parakeet, testes
Fig. 6: White cockatoo, cloacal lymphoma
Fig. 7: Amazon parrot, cranio-thoracic air sac
Fig. 8: Guinea pig, molar malocclusion
Fig. 9: Amazon parrot, testes

Endoscopic images courtesy of
Dr. Stephen Divers, University of Georgia (1, 2, 3);
Dr. Michael Murray, Monterey Bay Aquarium (4, 5, 6); and
Dr. Michael Taylor, University of Guelph (7, 8, 9).
NEW

Multi-Purpose Rigid Telescope, 2.7 mm, for universal use
Newly designed optics generate a larger image, making details easier to see than ever before.

![HOPKINS® Forward-Oblique Telescope 30°](image)

**HOPKINS® Forward-Oblique Telescope 30°**, enlarged view, diameter 2.7 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red

**Examination and Protection Sheath**
- Protects the telescope during examination

![Examination and Protection Sheath](image)

**Examination and Protection Sheath**, diameter 3.5 mm, working length 17 cm, for Telescope 64029BA

**Avian Operating Sheath**
- Enables the use of flexible instruments size 5 Fr.

![Avian Operating Sheath](image)

**Avian Operating Sheath**, 14.5 Fr., working length 14 cm, with working channel 5 Fr. and two stopcocks including:
- **Avian Examination Sheath**
- **Blunt Obturator**

**Trocar 3.9 mm, for use with Telescope 64029BA and Protection Sheath 64018US**
- For laparoscopy, multipuncture approach

![Trocar](image)

**Trocar**, with pyramidal tip, with LUER-Lock connector for insufflation, size 3.9 mm, working length 5 cm, color code: red including:
- **Cannula**, with outer thread
- **Trocar**
- **Silicone Leaflet Valve**
Instruments for use with Avian Operating Sheath 67065CV

- **67161Z Biopsy Forceps**, flexible, oval, double action jaws, 5 Fr., length 34 cm
  The most versatile biopsy forceps: For the collection of deep, longitudinal samples. Also useful for sampling exudate and debris.

- **67161T Grasping Forceps**, flexible, oval, double action jaws, 5 Fr., length 34 cm
  Large serrations make these forceps particularly useful for grasping medium to large objects and removing exudate and debris.

- **62501EK Scissors**, flexible, single action jaws, 4 Fr., length 34 cm
  The scissors are an essential part of the operating system. Air sac, peritoneal and pleural membrane can be easily incised.

- **67071X Flexible Needle**, with outer tube, total outer diameter 1.5 mm, tube length 31 cm, needle outer diameter 0.7 mm
  Used for injection, aspiration and irrigation.

- **67159L Polypectomy Snare**, unipolar, insulated, 5 Fr., length 32 cm, including:
  - Handle
  - Tube
  - Snare
  - Adaptor
  Used for ovariectomy and orchidectomy in birds and reptiles

- **67023VK Stone Basket**, flexible, 5 Fr., length 60 cm, including:
  - 3-Ring Handle
  - Basket
  - Coil
  The ideal solution for the retrieval of smooth or rounded objects

- **67772A Needle Electrode**, unipolar, 5 Fr., length 53 cm.
  The needle can be energized using a radiosurgical unit for incision and coagulation of structures.
BLAKESLEY Forceps
- For trimming teeth of rabbits and rodents

BLAKESLEY Forceps, straight, size 1 (3.5 mm), working length 11 cm

Mini Multi-Purpose Rigid Telescope
- Operating telescope for celioscopy, cystoscopy, rhinoscopy and cloacoscopy in smaller exotic animals

Operating Telescope 30°, 9.5 Fr., with working channel 3 Fr., working length 14 cm, autoclavable, fiber optic light transmission incorporated, including Sealing Cap 27550 A, color code: red
Instruments for use with Operating Telescope 67030BA

61071ZJ  **Biopsy Forceps**, double action jaws, flexible, 3 Fr., length 28 cm

61071TJ  **Grasping Forceps**, for removing foreign bodies, double-action jaws, flexible, 3 Fr., length 28 cm

These delicate forceps are useful for blunt dissection or for grasping smaller objects.

**Miniature Telescope**
- For tracheoscopy, cystoscopy and rhinoscopy in smaller patients

62512  **Miniature Straight Forward Telescope 0°**, semi-rigid, diameter 1 mm, length 20 cm, fiber optic light transmission incorporated, color code: green
Insufflation

**62432501 CO₂ ENDO-ARTHROFLATOR VET,**
power supply 100 – 240 VAC, 50/60 Hz
including:
Silicone Tubing Set, sterilizable
Universal Wrench
Gas Filter*, sterile, for single use, package of 10

**62120J VERESS Pneumoperitoneum Needle,**
with spring-loaded blunt stylet, Luer-Lock,
**autoclavable**, diameter 2.1 mm, length 10 cm
VITOM® 25

Make use of your endoscopy tower for open surgery too! The VITOM® provides a bright, magnified view of any open surgery. Particularly useful for teaching, recording, or performing any difficult access surgical intervention.

20916025AA  VITOM® Telescope 0° with Integrated Illuminator, VITOM® HOPKINS® straight forward telescope 0°, working distance 25-75 cm, length 11 cm, autoclavable, with fiber optic light transmission incorporated and condensor lenses, color code: green

28172HR  Rotation Socket, to clamp on the operating table
28272HC  Articulated Stand, L-shaped, long
28272UGN  Clamping Jaw, metal, big
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.

RP100S1  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

RP100S2  Same, without case

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

20212030  PAL  TELECAM  One-Chip Camera Head
20212130  NTSC

color systems PAL/NTSC, soakable, gas-sterilizable, with integrated Parfocal Zoom Lens, f = 25-50 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

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

Adaptor

20030030  Adaptor, with insufflation connector

Check out our schedule of upcoming hands-on training courses at http://go.karlstorz.com/eventsVET
More than 75 Years

Shaping the Future of Endoscopy with you