Laparoscopy and Thoracoscopy in Equine Practice
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Minimally invasive procedures offer several advantages over traditional abdominal and thoracic surgery in the horse: Reduced morbidity, reduced hospitalization, reduced incidence of infections, faster recovery, improved visualization and/or surgical access, and improvement/development of procedures that could not be achieved with open surgery. Indications for laparoscopy in the horse include visual examination, organ biopsy, acute or chronic cholic, cryptorchidectomy, castration, inguinal hernia, ovariectomy, neoplasia, cystic calculi, nephrectomy, ablation of nephrosplenic space, and embryo transfer. Equine thoracoscopy is most commonly indicated in horses with pleuropneumonia or intra-thoracic masses.
Fig. 1: Inguinal hernia
Fig. 2: Cryptorchidectomy
Fig. 3: Cryptorchidectomy
Fig. 4: Hernia repair
Fig. 5: Ovarian pedicle transection
Fig. 6: Biopsy of lung mass
Fig. 7: Retained testicle
Fig. 8: Transection of mesorchium and vas deferens
Laparoscopes

26003 AA  HOPKINS® Straight Forward Telescope 0°, diameter 10 mm, length 31 cm, autoclavable, fiber optic light transmission incorporated, color code: green

26003 BA  HOPKINS® Forward-Oblique Telescope 30°, enlarged view, diameter 10 mm, length 31 cm, autoclavable, fiber optic light transmission incorporated, color code: red

62032 APA  HOPKINS® Straight Forward Telescope 0°, enlarged view, diameter 10 mm, length 57 cm, autoclavable, fiber optic light transmission incorporated, color code: green

62032 BPA  HOPKINS® Forward-Oblique Telescope 30°, enlarged view, diameter 10 mm, length 57 cm, autoclavable, fiber optic light transmission incorporated, color code: red
Trocars, size 11 mm

62103 MPL  **Trocar**, size 11 mm
including:
**Trocar only**, with pyramidal tip
**Cannula**, working length 20 cm
**Multifunctional Valve**

62103 MP  **Same**, working length 10.5 cm

31103 TLR  **TERNAMIAN EndoTIP Cannula**, size 11 mm
including:
**Cannula**, with thread, rotatable insufflation stopcock, working length 15 cm
**Multifunctional Valve**

Trocar, size 6 mm

62160 MPL  **Trocar**, size 6 mm
including:
**Trocar only**, with pyramidal tip
**Cannula**, length 20 cm
**Multifunctional Valve**

Reducer

62141 DB  **Reducer**, 11 mm/5 mm
Operating Instruments, size 10 mm
for use with trocars size 11 mm

60531 WSL  CLICKLINE Scissors, rotating, robust, serrated, single action jaws, size 10 mm, length 43 cm
including:
Metal Handle, without ratchet
Outer Sheath, insulated
Scissors Insert

60531 SGL  CLICKLINE Grasping Forceps, atraumatic, for large organs, double action jaws, jaw length 70 mm, size 10 mm, length 43 cm
including:
Metal Handle, without ratchet
Outer Sheath, insulated
Forceps Insert

60532 FSL  CLICKLINE Claw Forceps, rotating, 2 x 3 teeth, single action jaws, size 10 mm, length 43 cm
including:
Metal Handle, with MANHES style ratchet
Outer Sheath, insulated
Forceps Insert

60532 BCL  CLICKLINE BABCOCK Grasping Forceps, atraumatic, double action jaws, size 10 mm, length 43 cm
including:
Metal Handle, with MANHES style ratchet
Outer Sheath, insulated
Forceps Insert
Operating Instruments, size 5 mm, for use with trocars size 6 mm or 11 mm with reducer

60421 DB  **CLICKLINE Dissecting and Biopsy Forceps**, rotating, with connector pin for unipolar coagulation, single action jaws, size 5 mm, length 43 cm including:
- Plastic Handle, without ratchet
- Outer Sheath, insulated
- Forceps Insert

62178 T  **Palpation Probe**, with cm marking, length 42 cm

62178 P  **Injection Cannula**, LUER-Lock, needle diameter 1.2 mm, length 43 cm

66083 ET  **Embryo Transfer Instrument**, diameter 5 mm, working length 40 cm
Needle Holders

26178 KPF  KOH *Macro Needle Holder*, with tungsten carbide insert, ergonomic pistol handle with disengageable ratchet, ratchet position left, jaws straight, size 5 mm, length 43 cm

26178 KPL  *Same*, jaws curved to left

26178 KPR  *Same*, jaws curved to right

Knot Tier

26596 C  CROCE *Knot Tier*, for extracorporeal knotting, size 5 mm, length 55 cm
Light Source

Special Features:
- 300 Watt Xenon Lamp provides extremely high light intensity
- Light intensity can be continuously adjusted manually
- Natural color temperature of 6000 Kelvin

20134001  Cold Light Source XENON NOVA® 300, power supply 100–125/220–240 VAC, 50/60 Hz including: Mains Cord

20133028  XENON Spare Lamp, 300 W, 15 V

69495 NCS  Fiber Optic Light Cable, diameter 4.8 mm, length 250 cm
CO₂ ENDO-ARTHROFLATOR-VET

Special Features:
- One unit with laparoscopy and arthroscopy mode
- High operating safety
- Continuously adjustable insufflation pressure
- Easy to use
- Fully automatic, electronically controlled gas refill (in case of gas loss when changing instruments)

624325 01 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

Optional Accessories

204001 43 Silicone Tubing Set, sterilizable

031122-10 Gas Filter, sterile, for single use, package of 10

NOTE:
The pressure hose and CO₂ bottles must be ordered separately, see catalog: Veterinary Endoscopy, Large Animals