

EQUIPMENT LIST – LARGE ANIMAL, TAASTRUP

Large Animal Diagnostic Imaging

Large Animal Radiography

- Siemens ceiling mounted generator
- Two Fuji D-Evo Console Advanced (Fuji D-Evo Console Advanced Fuji D-Evo Plus C24i Panel 24X30 Csl and Fuji D-Evo Plus C24i Panel 45X43 Csl)
- Portable generator
- C-arm Siemens

Large Animal Ultrasonography

- GE Logic E
- Logiq S8
- Logiq é (cardiac)
- Vivis IQ
- Vivid I
- 2 Mindray
- One new and one for practice
- Probes
 - Convex probe (C1-5D)
 - 2 linear probes (ML6-15-D),
 - 2 linear probes (9L-D)
 - 2 linear probes (M5S-D)
 - Cardio convex probe (739-RS)
 - Convex probe (4C-RS)
- Additional for student training
 - GE Logic 9 + Aloka (for training students),

Large Animal Scintigraphy

- MIE Equine Scanner H.R. – SCINTRON
(gamma camera system with a high-resolution detector (extra-large field of 61cmx40cm))
4 isolation stables

Large Animal Endoscopy

- Karl Storz:
 - Model: G28-140 / 60914PKS
 - Model: G28-300 / 60130PKS
 - Model: G34-325 / 60332/PKS
- Dr. Fritz:
 - Overground endoscopy ETL-3-80SET
- Ambu :
 - Bronchoscope

Ancillary equipment; archiving

- PACS system
- Fluoroscopic images stored on digital media
- Ultrasound images archived in electronic format and as thermal images or on digital media
- Endoscopic examinations archived on digital media/patient file
- 55" screens for viewing associated with ultrasound and x-ray facilities

Reporting

- Online viewing through PACS system from any location within the university
- Ultrasound images may be retrieved for review on monitor
- There are facilities for video replay and digitising video images
- Diagnostic images are reported by the duty radiologist.

Large Animal Surgical Equipment/ Facilities

Two operating suites for equine surgery each with 2 adjacent induction/ recovery rooms

- Haico Telgte II operating table (model Telgte II)
- Grobois standing stock
- Full range of roof operated 2 x 2 operating lamps (ChromoSphere 452)
- Additional movable light sources
- Assisted recovery rope system (routine used for all patients)
- One operating suite for bovine surgery

Anaesthesia

All equipment permitting inhalation-, TIVA-, and regional anaesthesia and on large animal species like horses, ruminants and pigs is available.

- Dameca 10750 anaesthesia machines and M. Smith large animal patient system with ventilator for inhalation anaesthesia of large animal species including system for foals and small ruminants.
- CareScape B650 med E-sCAIO gas modul (one)
- Datex S/5 anaesthesia monitor (One)
- ABL 800 Flex (Radiometer, Copenhagen)
- Assisted recovery rope system (used routinely)

Surgical Instrumentation

All surgical equipment and instrumentation permitting basic and advanced interventions is available on site 6 dedicated basic surgery sets, 4 dedicated colic sets and 2 arthroscopy basic instruments sets

Arthroscopy

- Arthroscopes (2): HOPKINS II (Storz) wide angle forward-oblique telescope 30° enlarged view, diameter 4 mm, length 18 cm. Corresponding sleeves with snap-in coupling and obturators
- Image hub (Storz) and HD flat screen monitor: IMAGE1 HD Hub KSI Transfer Set, Camera-Control Unit (CCU), integrated KARL STORZ Communication Bus SCB and integrated Image Processing Module
- Camera head (Storz): HD-Z camera head 3-Chip HD Camera Head with max. resolution 1920 x 1080 pixel, Progressive Scan, 50 Hz, with 2 freely programmable Camera Head buttons, with integrated Parfocal-Zoom focal length f= 14 - 30mm (2x)
- Light source (Storz): Cold Light Fountain Power LED 300 with integrated KARL STORZ-SCB, high-performance LED module and one KARL STORZ light outlet, power supply 100 - 240 VAC, 50/60 Hz

- Arthromat pump
- Electronic Endoflator
- Synovial Shaver: PSU-2 Storz
- Arthroscopic curette set (Sontec): 13 curettes with straight and angled handles, cup size 000-3, 1 ring curette, 1 Peterson bone pick
- Arthroscopic rongeur set (Sontec): 6 straight and angled Ferris-Smith rongeurs, 1 McIlwraith Peapod rongeur, 1 Wilde ethmoid arthroscopic rongeur Full range of arthroscopy hand instruments

Fracture repair/bone surgery

- AO equipment from Synthes and Micro-Air
- 4.5 mm screw and basic set
- 5.5 mm screw and basic set
- LCP basic set
- Plate set with range of DCP and LCP plates
- 2 Micro-Air drills
- 1 Reamer (Stryker)
- 1 Oscillating saw
- Cervical fusion set (Spokane WA), Kerf cut basket system

Laparoscopy

- Laparoscope for equine surgery : HOPKINS (Storz) forward-oblique telescope 30° enlarged view, diameter 10 mm, length 57 cm, with fiber optic light transmission
- Laparoscope for ruminant surgery (Dr. Fritz): Set for endoscopic LDA/RDA repositioning, consisting of telescope, 8mm, 0°, trocars and trocar cannulas, abomasal puncture trocar set, Christiansen's spieker, inflation pump, LED light handle

Miscellaneous instrumentation

- TA 90 and GIA 90 stapling system
- Force Triad energy platform (Covidien) (replaces old equipment): Monopolar and bipolar energy with ligasure technology
- Electrosurgical/cautery unit Erbe T175E
- Full range of largely new soft tissue surgery instrumentation
- Laser Diode unit
- Ligasure vessel sealing device including laparoscopic / open surgery forceps
- Versajet

Equine dentistry

- Full range of dental instrumentation including motorized equipment
- Borescope (Storz) and telepack (new equipment): Rigid borescope with HOPKINS rod lens, optical system with fiberoptic light conductor for cold-light illumination, focusable viewing angle: 70; field angle: 90, 440mm x 6,5 mm. Telepack: endoscopic video unit with LED light source, integrated insufflation pump and digital image processing module

Equine lameness

- Equinosis lameness locators (2) classic (Eikemeyer): with all additional equipment, i.e. tablets, software, gyroscopes/accelerometers, wireless transceivers

- Lameness investigation area:
 - Soft and hard straight line
 - Soft and hard lunging ring
 - Outdoor arena
 - Indoor arena with straight line
 - Farrier

Equine Cardiology

- Televet ECG rest/work
- Electrophysiology lab,
- Workmate EP-4, St Jude Medical
- LifePack 20e Defibrillator

Ophthalmology

- Handheld light sources : Heine and Welch allyn - 2 pieces
- Fin-off lamps (fokused lights)- 2 pieces
- Direct ophthalmoscope - 2 pieces
- Panophthalmoscope : Welch Allyn – 1 piece + Iexaminer adaptor for iPhone 4
- Indirect ophthalmoscope headset with teaching mirrors : Heine – 1 piece
- Lenses – 3 pieces: 2,2 D, 14D,
- Tonometer: Tonopen Vet – 1 piece
- Biomicroscope slitlamp: Kowa SL-17 – 1 piece
- Handheld slitlamp – Heine
- Electro retinography (ERG) machine – 1 piece
- Alger brush II corneal burr – 1 piece + 1 burr
- Surgical microscope
- Surgical instruments
- Microconvex probe

Sterilization area

- Steam Autoclave - Matachana, series 1000
- Branson 8200 Ultrasound Cleaning machine
- Elma Clean
- KEN 311-OS instrument washing machine
- Gas sterilization: on demand from out of university facility

Out of hour in-house lab

- ABL 800 Flex
- Idexx Procyte
- Idexx Catalyst