

## Surgical Logbook of the University of Veterinary Medicine Hannover, Foundation

### **Learning stations to be completed in the Clinical Skills Lab (1st to 4th semester):**

- Courses can be selected online via 'TiHoStudis'
- Small group courses for up to 4 students
- Learning materials to prepare for the courses on 'Moodle'
- Supervised stations in the presence of a tutor from the Clinical Skills Lab
- All courses listed below must be completed by the end of the 4th semester as an admission requirement for the preliminary medical examination

#### **(1) Knotting techniques A.0 (Instrument knotting techniques)**

(Content: Suture science | Knot safety | Cross knots | Slip knots | Surgical knots)

#### **(2) Knotting techniques B.0 (Hand knotting techniques)**

(Content: One-handed and two-handed knotting technique | Cross knot | Slip knot | Surgical knot)

#### **(3) Suturing techniques A.0 (single sutures)**

(Content: Instrument handling | Skin incision | Handling of suture material | Button suture | Interrupted vertical mattress suture according to DONATI | Interrupted horizontal mattress suture (U-shaped suture) | SULTAN diagonal suture))

#### **(4) Suturing techniques B.0 (Continuous sutures)**

(Content: Instrument handling | Cushing suture | Cushing suture | Intracutaneous suture)

#### **(5) Hand hygiene**

(Content: Surgical hand washing | Wearing surgical scrubs | Surgical hand disinfection | Wearing sterile surgical gloves)

#### **(6) General instrument handling**

(Content: Assembling instruments for different surgical procedures | Handling of surgical instruments)

### **Learning stations to be completed in the Clinical Skills Lab (5th to 8th semester):**

- Courses can be selected online via 'TiHoStudis'
- Small group courses for up to 4 students
- Learning materials to prepare for the courses on 'Moodle'
- Supervised stations in the presence of a tutor from the Clinical Skills Lab
- All courses listed below must be completed by the end of the 8th semester as an admission requirement for the state examinations

#### **(1) Intubation of small animals**

(Content: Placement of tracheal tubes in dogs and cats)

#### **(2) Anaesthesia management**

(Content: Resentation of main components of an anaesthesia device | Learning the operating mode of the inhalation anaesthesia device | Preparation of a semi-closed inhalation anaesthesia system | Connection of an intubated dog head model for maintenance of anaesthesia)

#### **(3) Positioning techniques for radiography**

(Content: Theoretical basics of radiological radiation and legal provisions of veterinary radiation protection | Application of different positioning techniques in small animals)

#### **(4) Resuscitation and Emergency management**

(Content: Emergency management | Cardiopulmonary resuscitation using the ABC method in the correct sequence for dogs (basic life support))

#### **(5) Bandaging techniques**

(Content: Application and removal of a bandage)

- One of the following courses must be chosen: Horse hoof bandage | Horse toe pad bandage | Small animal head bandage | Small animal abdominal/thoracic bandage | Small animal paw bandage | Small animal high bandage | Cattle claw bandage

#### **(6) Captive bolt gun | Livestock**

- Block seminar for max. 8 students

(Content: Legal and theoretical basics | Handling of the captive bolt gun | Correct localisation and application of the device on pigs, sheep, cattle and horses including special features (horned vs. hornless and different head shapes in pigs))

#### **(7) Nerve block anaesthesia in horses**

(Content: Performance of the relevant limb conduction anaesthesia in horses)

**Learning stations to be completed in the Clinical Skills Lab (5th to 8th semester):**

- Block seminar on selected dates which can be selected online via 'TiHoStudis'
- Group courses for up to 4 students/tutor
- Learning materials to prepare for the courses on 'Moodle'
- Supervised stations in the presence of a tutor from the Clinical Skills Lab
- All courses listed below must be completed by the end of the 8th semester as an admission requirement for the state examinations

**(1) Castration of female dogs**

(Content: Theoretical Introduction | Surgical Performance)

**(2) Castration of male dogs**

Content: Theoretical Introduction | Surgical Performance)

**(3) Castration of female cats**

(Content: Theoretical Introduction | Surgical Performance)

**(4) Castration of male cats**

(Content: Theoretical Introduction | Surgical Performance)