

General description of the Internship programs of the Faculty of Veterinary Medicine Ghent University, Belgium

The internship programs organised at the Faculty of Veterinary Medicine, Ghent University, are one-year clinical trainings for graduated veterinarians. They provide practical experience in applying knowledge gained during the formal professional education and offer the opportunity for recent graduates to obtain additional training in the clinical and basic sciences within one of the major divisions of veterinary medicine. This year of comprehensive broad postgraduate training and experience prepares the veterinarian for high-quality service in practice or for a decision of an area of specialisation (residency). However, successful completion of an internship offers no guarantee for acceptance as a resident in one of the training programs organised at our Faculty.

The Faculty of Veterinary Medicine organises the following internship programs:

- Equine Internship (including the options “Surgery and Imaging”, “Internal Medicine”, “Gynaecology and Reproduction”)
Coordinator: Prof. Dr. A. Martens, DVM, PhD, Dipl ECVS, Department of Surgery and Anaesthesiology of Domestic Animals (ann.martens@UGent.be)
- Internship Veterinary Public Health
Coordinator: Prof. Dr. D. Maes, DVM, MS, MSc, PhD, Dipl ECVPH, Dipl ECPHM, Department of Reproduction, Obstetrics and Herd Health (dominiek.maes@Ugent.be)
- Internship Bovine Health Management
Coordinator: Prof. Dr. G. Opsomer, DVM, PhD, Msc, Dipl. ECAR, Dipl ECBHM, Department of Reproduction, Obstetrics and Herd Health (geert.opsomer@Ugent.be)
- Internship Porcine Health Management
Coordinator: Prof. Dr. D. Maes, DVM, MS, MSc, PhD, Dipl ECVPH, Dipl ECPHM, Department of Reproduction, Obstetrics and Herd Health (dominiek.maes@Ugent.be)
- Internship Medical Imaging
Coordinator: Dr. J. Saunders, DVM, PhD, Dipl ECVDI, Department of Medical Imaging of Domestic Animals (Jimmy.saunders@Ugent.be)
- Small Animal Rotating Internship
Coordinator: Prof. Dr. S. Daminet, DVM, PhD, Dipl ACVIM, Dipl ECVIM-ca, Department of Medicine and Clinical Biology of Small Animals (Sylvie.Daminet@Ugent.be)
- Small Animal Orthopaedics Internship
Coordinator: Prof. Dr. B. Van Rijssen, DVM, PhD, Department of Medical Imaging of Domestic Animals (Bernadette.vanryssen@Ugent.be)

All available internship positions will be declared vacant in the month of April. By the 15th of May, each applicant should submit a complete file to the coordinator of the internship, consisting of:

- An application letter with the motivation of the candidate to participate to the program.
- A curriculum vitae including a list of the results obtained during the different study years.
- A copy of the diploma of Veterinary Medicine (except for last year students)
- For candidates that did not obtain their diploma at Ghent University: a letter of reference from a University professor or diplomate. This letter should be mailed directly to the coordinator of the internship program.

Late applications will only be considered in exceptional cases.

After selection of the candidates, the accepted interns should subscribe as students of the Faculty of Veterinary Medicine, Ghent University, Belgium. They receive a one-year scholarship with a monthly payment of 620 euro (tax-free). No reimbursement is provided for evening-, night- and weekend duties, for travel expenses or for the participation to post-graduate courses.

Facilities of the organising departments

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| Department of Medicine and Clinical Biology of Small Animals |
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Diplomates

- Prof. Dr. S. Daminet, Dipl ACVIM, Dipl ECVIM-ca (internal medicine)
- Prof. Dr. A. De Rick, Dipl ECVIM-ca (cardiology)
- Prof. Dr. L. Van Ham, Dipl ECVN
- Dr. S. Van den Abeele, Dipl ACVD, Dipl ECVD
- Dr. L. Verhaert, Dipl EVDC

Equipment available

General

The Faculty of Veterinary Medicine of Ghent University has a modern (8 years old) hospital for small animals. Two Departments work within that hospital (Department of Medicine and Clinical Biology of Small Animals and Department of Medical Imaging of Domestic Animals) (See information on the Department of Medical Imaging)

The hospital for small animals has:

- 10 consultation rooms
- 4 wards for hospitalisation of dogs (maximum 30 dogs) and one for cats (10 individual cages for cats)
- 4 surgery theatres, all equipped with necessary anesthesia monitoring
- Fully equipped emergency laboratory
- Intensive care unit (room for 5 dogs and 2 cats), equipped with all necessary monitoring
- Complete endoscopy unit (gastro-intestinal, respiratory and cystoscopy)
- Echocardiography, ECG, Holter monitoring

-EMG, ERG

Case load (per year)

Around 8 000 cases

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| Department of Medical Imaging of Domestic Animals (including Small Animal Orthopaedics) |
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Diplomates

- Prof. H. Van Bree, Dipl ECVDI, Dipl ECVS
- Dr. H. Rudolf, Dipl ECVDI
- Dr. K. Peremans, Dipl ECVDI
- Dr. J. Saunders, Dipl ECVDI

Equipment available

Radiography

- Varian HFG series (radiography and fluoroscopy) (small animals)
- Verachtert Equipments HF (small animals)
- Digivex, Digital X-Ray machine, Vetex (small animals)
- Generator MPG 65 – tube statorix RN620 (large animals)
- Generator CPI – Millenia 350 (radiography and fluoroscopy) ceiling-mounted unit (large animals)

Ultrasonography

- Logiq 7, General Electrics (probes : convex 4-6 MHz, micro-convex 6-10 MHz, linear 7-14 MHz)
- Sonolayer SSA 270A Doppler, Toshiba (probes : convex 5 and 7.5 MHz – linear 7.5 MHz)
- Logiq 200, General Electrics (probes : convex 4-6 MHz, linear 6-9 MHz)

Computed tomography

- CT Pace, General Electric (small and large animals)

Nuclear Medicine

- GCA 40A + computer GMS 5500U, Toshiba (large animals)
- GCA 901A + computer GMS 5500U, Toshiba (small animals)
- 3-head camera

Orthopaedic surgery

- 1 full-equipped surgery room
- complete instrument set for surgery of bones and joints, including pneumatic drill, Ilizarov System, interlocking nail

Arthroscopic surgery

- 1 full-equipped surgery room
- 3 arthroscopes (1.9; 2.4; 2.7 mm)
- 3-chip camera's
- video documentation
- complete laparoscopy & thoracoscopy equipment

Case load (per year)

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| <u>Radiography</u> | Small animals | 3100 |
| - | Horses | 1700 |
| - | Exotics | 70 |
| <u>Ultrasonography</u> | Small Animals | 1300 (cardiology not included) |
| - | Horses | 400 (thorax and abdomen not included) |
| <u>Computed tomography</u> | Small Animals | 500 |
| - | Horses | 15 |
| <u>Scintigraphy</u> | Small Animals | 100 |
| - | Horses | New modality |
| <u>Small Animal Orthopaedics:</u> | | |
| | Lameness examinations | 1844 |
| | Orthopaedic surgeries | 376 |
| | Arthroscopies | 349 |

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| Department of Surgery and Anaesthesiology of Domestic Animals |
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Diplomates

- Prof. F. Gasthuys, Dipl ECVA
- Prof. M. Steenhaut, Dipl ECVS
- Prof. A. Martens, Dipl ECVS

Equipment available

General

- 2 full-equipped equine surgery rooms (1x TelgteII table, 2x Büchen surgery table)
- 1 bovine surgery room
- 1 room for standing equine surgeries
- 1 large general and 2 smaller specific examination rooms (ophthalmology, dentistry)
- 1 covered hall for orthopaedic examinations
- Indoor paddock
- 50 individual equine boxes, 20 individual boxes for cows and calves

Anaesthesia

- 2x Dräger Sulla 909V + large animal respirator
- 2x Dräger AV-1
- 1 North American Dräger + 1 Dräger Tiberius + Large animals Smith Ventilator
- 2x Narkose Spiromat 656 + 1 Dräger Babylog
- Complete monitoring including 2x Hellige Servocard (ECG, blood pressure, temperature), 2x Datex cardiocap, 1 HP 78354C, 2x Datex Capnomac Ultima (gas monitoring + side stream spirometry), 1HP M1025B, 2x Dräger Spirolog, 1x Dräger Barolog P, portable pulse oximeters, LiDCO + PulseCO haemodynamic monitoring

Surgery

- complete arthroscopy and laparoscopy equipment
- CO2 and Nd-YAG surgical lasers
- Cryosurgical equipment
- Electrosurgery
- Peroperative image intensification

Case load (per year):

- Total number of patients 2400
 - o Equine surgeries 1000
 - o Bovine surgeries 400
 - o Orthopaedic examinations 1000

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| Department of Large Animal Internal Medicine |
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Diplomates

- Prof. G. Van Loon, Dipl ECEIM

Equipment available

General

- 34 individual equine boxes
- 4 equine isolation boxes
- 1 recoverybox
- Housing for 18 adult cattle and 21 calves or small ruminants
- Isolation facilities for 6 adult cattle and 4 calves or small ruminants

Specific equipment:

- abdominal and thoracic ultrasound
- endoscopy and gastroscopy
- neurology: EMG and MMEP
- in-house laboratory
- high-speed treadmill

Case load (per year):

- Total number of patients 2400
 - o Horses 1600
 - o Ruminants 700

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| Department of Reproduction, Obstetrics and Herd Health |
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Diplomates

- Prof. A. de Kruif, Dipl ECAR
- Prof. A. Van Soom, Dipl ECAR
- Prof. G. Opsomer, Dipl ECBHM, Dipl ECAR
- Prof. D. Maes, Dipl ECVPH, Dipl ECPHM
- Dr. J. Dewulf, Dipl ECVPH

Equipment available

General

- 25 individual equine boxes
- Hospitalisation for 20 adult cattle and 8 calves
- 5 fully equipped cars for farm visits (including 1 for equine visits)
- 1 surgery room for horses
- 1 surgery room for bovine caesarean sections
- 1 examination room for equine gynaecology

- 3 rectal examination boxes for horses, 1 for cows
- a sperm laboratory + a laboratory for bacteriological examination
- “Bio-center Agri-Vet” with 60 dairy cows and young stock available for teaching purposes

Specific equipment:

- several ultrasound machines for horses, ruminants and pigs
- Esaote Pie Medical Tringa Linear scanner for back fat measurements in sows

Case load (per year):

- Clinic or reproduction and obstetrics:
 - o Bovine patients: 250
 - o Equine patients: 700
 - o Small ruminants : 39
- Ambulatory clinic: over 1000 cattle visits and 700 to 800 caesarean sections
- Cattle herd health: 25 farms are included in a monthly dairy herd visit program with emphasis on fertility, udder health, milk production and heifer management.
- Pig herd health: several pig farms are visited on a regular basis with stress on production targets and ultrasound pregnancy diagnosis (ca. 400 visits per year).