

Residency Program Diagnostic Imaging Vetsuisse-Faculty Bern

Program Director: Daniela Schweizer, Prof. Dr. med. vet., Dip ECVDI
daniela.schweizer@vetsuisse.unibe.ch

Resident Supervisors: Urs Geissbühler, Dr. med. vet., Dip. ECVDI
Christina Precht, Dr. med. vet., Dip ECVDI
Marta Schmidhalter, Dr. med. vet., Dip ECVDI

Total length of program: 4 years

Objectives: The objectives of the training program are to give advanced training in veterinary diagnostic imaging and to prepare the resident for specialty board-certification (**Small Animal track**) of the European College of Veterinary Diagnostic Imaging.

Description:

Team: 3 senior radiologists, 2 residents and 4 radiographers (MTRA HF), 2 doctoral students

Equipment:

Radiographic equipment:

- Opera Swing (Raymed) unit, DR with tomosynthesis (small animals hospital)
- Polydoros LX Lite Power Up (small animal hospital)
- Siemens Tridoros, 100kW, with sealing mounted tube system (large animals)
- Mobile unit: HF Gierth 300
- Digital radiography (Fuji FCR 5000; FCR Profect one, and Fujifilm DR System FDR go flex)

Ultrasound equipment:

- GE Logiq S8 xDclear with 3.0-11.0 MHz and 7.0-10.0 MHz linear transducer, 1.0-6.0 convex transducer, 1.0-5.0 MHz sector transducer; spectral and color Doppler
- GE Logiq E9 xDclear with 2.0-11.0 MHz microconvex transducer, 3.0-11.0 MHz linear transducer, 8.0 – 18.0 MHz linear hockeystick transducer; spectral, color and power Doppler, e flow, cardiac and other calculation programmes
- 2x GE LogiqE (equine and small animal emergencies)

CT:

- Multislice helical CT – Philips Brilliance 16
- O-arm Medtronic: cone beam CT

MRI:

- Open 1.0 Tesla system (Philips Panorama HFO)

PACS:

- Agfa ImpaxEE

Case load:

Imaging Discipline	Annual Caseload Number
Small animal radiology	3013
Small animal contrast radiographic procedures	(100* within the total number)
Large animal radiology	2061
Small animal abdominal ultrasonography	1330
Small animal echocardiography	120*
Other small animal ultrasonographic examination	210
Large animal orthopaedic ultrasonography	132
Other large animal ultrasonography	40*
Small animal computed tomography	446
Large animal computed tomography	20
Small animal nuclear medicine	None in Bern, externship
Large animal nuclear medicine	None in Bern, externship
Magnetic resonance imaging	500
Exotic animal imaging caseload	Vetsuisse-Faculty Zurich
Total yearly imaging caseload	7872

Training:

Daily radiology rounds of current cases (3 times per week 30 minutes equine rounds), Weekly: book reading, journal club (every 2 month progress report on research projects), MRI rounds, every second week hot chair (examination preparation).

2 weeks formal training course in radiation protection for open sources, at least 1 month externship in nuclear medicine, 1 month externship (nuclear medicine and cardiology are encouraged) at an institution of choice, must be under supervision of an ECVI or ACVR diplomate.

Vacation: Five weeks per year

Research time: off time 30% Research for 2 clinical papers and congress attendance

Responsibilities and tasks:

Training will include large and small animal imaging and large animal imaging training will be about ¼ of total training time. Clinical procedures will initially be done under supervision. The level of supervision will decrease as the program progresses. The resident will be responsible for performing imaging examinations and written reporting. Reports will be reviewed with a faculty member of the imaging staff.

Participation in the emergency service of the clinic and after about 2 years back up service for radiology.