



Registration form for an add on Radiation Oncology training programme

Part 1 - To be completed by all Add-On Training Programmes

Date: 17. October 2018
Institution: Division of Radiation Oncology, Vetsuisse Faculty, University of Zurich, Switzerland
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Programme Director: Carla Rohrer Bley

Note: Must be DipECVIM-CA [Oncol] (add Rad Oncol) or DipECVDI (add Rad Oncol)

Location(s) of Training Programme: Vetsuisse Faculty, University of Zurich, Switzerland

Application is made for:

Standard Programme [X]

Alternative Programme []

Length of Training Programme: approximately 75 weeks, max. 104 weeks

Note: Standard add-on programmes consist of a period of 65 weeks of supervised training. The standard add-on training programme time shall not exceed 104 weeks (equivalent to 24 months).

Radiation Oncology Trainee Supervisor: Carla Rohrer Bley, DACVR-RO; DipECVDI (add Rad Oncol)

Note: Must be DipECVDI (add Rad Oncol), DipECVIM-CA [Oncol] (add Rad Oncol) or DipACVR-RO

Other Specialty Trainee Supervisors

Please list of all Diplomates on site who will be involved in the training programme or will be available for consultation. If off-site, explain why and the method of providing direct contact with the Trainee.

Name	Diplomate of which College	Comments
Carla Rohrer Bley	ACVR-RO, ECVDI (add	



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	Rad Oncol)	
Valeria Meier	ACVR-RO, ECVDI (add Rad Oncol)	
	ECVIM-CA [Oncol]	Currently, there is no ECVIM-CA [Oncol] diplomate on site but external training rotation would be arranged for where necessary
Stefanie Ohlerth	ECVDI	
Ines Lautenschläger	ECVDI	
Antonio Pozzi	ACVS	
Sebastian Knell	ECVS	
Annette Kutter	ECVAA	
Paula Grest	ECVP	
Marilisa Novacco	ECVCP	

Trainee Advisors

Please list other personnel who are not EBVS Diplomates on site who will be involved in the training programme or will be available for consultation. These include radiation physicists, radiation oncology technicians or other individuals with in-depth knowledge and skills in radiation oncology involved in the training programme. If off-site, explain why and the method of providing direct contact with the Trainee.

Name	Qualifications	Comments
Uwe Schneider	Medical Physicist	
Juergen Besserer	Medical Physicist	
Matthias Hartmann	Medical Physicist	

Please explain how the Trainee will participate in diagnostic imaging rounds and Medical Oncology rounds? Is a supervising Diplomate available for the majority of rounds? If no, please describe how rounds are attended and supervised.

Type of rounds	Frequency of rounds	Supervision by Diplomate
Oncology rounds (RadOnc / MedOnc)	daily	yes
Oncology- surgery rounds	Weekly or twice weekly (depending on case load)	yes



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Neuroimaging (MR-) rounds	Twice a month	yes
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Please explain how the Trainee will participate in other resident rounds?

Type of rounds	Frequency of rounds	Comments/supervision
Book reading radiobiology	twice a month	yes (mostly)
Book reading physics		yes (mostly)
Book reading basic oncology		yes (mostly)

Please explain how the Trainee will participate in journal clubs, classes and continuing education related to radiation oncology/ radiobiology / medical physics?

Type of journal club, classes, continuing education	Frequency / number of sessions	Comments
Oncology journal club (clinical)	weekly	yes
Oncology journal club (basic biology)	monthly	yes
Research progress reports (oncology, radiobiology, physics)	monthly	yes

Are formal case conferences or seminars held on a regular basis?

Yes No

Please provide a description of the case conferences or seminar, etc., that are provided and the typical schedule

Name of case conference or seminar	Frequency / number of sessions	Comments
Tumor board oncology	Once or twice per month	In preparation. Case discussion / seminar between internal medicine, soft-tissue surgery and oncology (other specialties on



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		demand)
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Is the Trainee required to give one or more formal in-house presentations in an educational setting? And if so, give the minimal number during the training programme.

Yes No
 Number:

Will the Trainee attend at least one veterinary or human conference covering topics of radiation oncology (such as Annual conferences of the Veterinary Cancer Society (VCS), European Society of Veterinary Oncology (ESVONC), American College of Veterinary Radiology and Radiation Oncology or European College of Veterinary Diagnostic Imaging, European College of Veterinary Internal Medicine or American College of Veterinary Internal medicine, American Society for Radiation Oncology (ASTRO etc.)

Yes , one per year as minimum No

Please indicate the availability of the following facilities or equipment. Indicate if these are available at the primary training site, or at a different location. For facilities that are not available or not on-site please describe the situation and availability in the space provided at the bottom of the next page. If needed add an extra page.

	Available?	On Site?
Megavoltage Teletherapy Machine	Yes	Yes
Please specify model: CLINAC ix.		
Computer based treatment planning System	Yes	Yes
Please specify Model: Eclipse External Beam Planning system version 10.0 (Varian Oncology Systems, Palo Alto, CA)		
Multileaf collimator available	Yes	Yes
If not on site, specify external institution:		
IMRT-planning available	Yes	Yes



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If not on site, specify external institution:		
RT-Anaesthesia machine with monitoring	Yes	Yes
Please specify inhalation gas used: Sevoflurane, Isoflurane		
Please specify which monitoring equipment: Capnography, pulse oxymetry, blood pressure, further if needed.		
Please specify by whom anesthesia is performed for radiation oncology patients? By the trained radiation oncology team.		
Computed Tomography	Yes	Yes
Please specify model: 16 MDCT unit (Brilliance CT 16-slice, Philips Health Care Ltd, Best, Netherlands)		
Magnetic Resonance Imaging	Yes	Yes
Nuclear Medicine	No*	No*
Standard radiographic equipment	Yes	Yes
Ultrasonographic equipment	Yes	Yes
Colour flow/Doppler equipment	Yes	Yes
Brachytherapy exposure	No*	No*
Endoscopy equipment	Yes	Yes
Electrocardiography	Yes	Yes
Blood Pressure Measurement	Yes	Yes
Pulse oximetry	Yes	Yes
Electroencephalography	Yes	Yes
Intensive Care Facility - 24 hours	Yes	Yes
Emergency service	Yes	Yes
Veterinary Library with Literature Searching Capabilities	Yes	Yes
Computerized Medical Records with Searching Capabilities	Yes	Yes

If any of the above equipment or facilities are available off-site, please explain how the resident can access them for case management, research, or study. If any of the above equipment or facilities are not available at all, explain how alternatives are being offered.



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**not available on site for animal patients. In order to study the principles of brachytherapy, an external rotation to the Hirslanden clinic (home of our medical physicists) can be arranged. For radio-iodine treatments, our cat patients can be referred to the partner faculty (Vetsuisse Faculty, University of Bern)*

Does your training programme consist of a minimum of 65 weeks supervised training?

Yes

No

Specify:.....

Please give an overview of the complete time schedule planned for this training programme (in weeks):

Activity	Number of weeks planned
Medical Oncology	7 weeks if ECVDI diplomate, (currently no ECVIM-CA [Oncol] diplomate on site but external training rotation would be arranged for where necessary)
Diagnostic Imaging	7 weeks if ECVIM-oncol diplomate
Radiation Oncology	46 supervised, 7 weeks unsupervised training
Vacation	8 weeks (over 2 years)
Anesthesia	2 weeks
Conference / courses	e.g. Radiobiology course, etc. 2-3 weeks over two years
Others	To be discussed, depending on possible embarkment of research projects

How many patients have been treated with Radiation Therapy at your facility in the last year?

Approximately 150 patients per year.

What are the treatment protocols for your radiation therapy patients?

Treatment type: definitive, palliative, hypofractionated etc	Treatment protocol/schedule	Comments: include tumor types commonly treated with this protocol
Finely fractionated	2.3-3Gy x 17-22	Tumors of spine, thyroid, soft tissue sarcoma, mast cell tumors (post-op)



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Moderately hypofractionated	3.8-6 Gy x 5-12	Anal sac adenoCA, sinonasal tumors, thyroid tumors (macroscopic), adrenal tumors, liver tumors, etc.
Strongly hypofractionated	8-12 Gy x 3-4	Palliative setting (various tumors), pituitary adenoma, osteosarcoma, oral melanoma

How many Medical Oncology patients have been seen in at your facility in the last year?

Approx. 250 patients per year.

Approximately how many cases will the Trainee in your programme manage under the direct supervision of a Diplomate (or Veterinary Radiation Oncologist) in:

Radiation Oncology: approx. 100
 Medical Oncology: approx. 100

Does each Trainee with an *ECVIM-CA [Oncol]* background in your training programme have a minimum of 7 weeks of direct contact with a Diplomate in Veterinary Diagnostic Imaging interpreting radiographs, learning and evaluating the results of special imaging techniques, and attending radiology rounds or case conferences to satisfy the add-on training programme requirements?

Yes No

Please specify:

Does each Trainee with an *ECVDI* background in your training programme have a minimum of 7 weeks of direct contact with a Diplomate in Medical Oncology learning case management, chemotherapy applications and attending oncology rounds or journal clubs and to satisfy the add-on training programme requirements?

Yes No

Please specify: currently, there is no ECVIM-CA [Oncol] diplomate on site but external training rotation would be arranged for where necessary

Does each Trainee in your training programme have a minimum of 46 weeks of direct contact with at least one Diplomate [Oncol] of the ECVIM-CA or one Dip-



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Is the Trainee a Diplomate of ECVDI, or one Diplomate of the ACVR [Radiation Oncology] to learn case management, radiation planning, dosimetry, and physics related to clinical radiation therapy? If the ECVIM-CA [Oncol] or ECVDI Diplomate is not also an ACVR-RO Diplomate this person must be de facto recognised in Add-on Radiation Oncology.

Yes No
Please specify:

Does each Trainee spend at least 7 weeks of their programme for graduate degree studies (unsupervised training time)?

Yes No

Does each Trainee participate in a radiation oncology rotation in another veterinary or a human radiation facility?

Yes No

Please specify: see above: for brachytherapy, as well as stereotaxy rotations can be organized at Hirslanden clinic, Switzerland (confirmations for rotations will be handed in specifically with an application of a respective candidate)

Is the Trainee being evaluated by the Supervisor twice during their training programme (after the first half and at the end of the training programme)?

Yes No

Name: Programme Director: Carla Rohrer Bley

Signature: Programme Director:

Date signed: Zurich, November 9th, 2018