Tuesday, January 31, 2023

ACVR - RO New Residency Program Application

Please review the Radiation Oncology (RO) Residency Program Essentials Training Standards and Requirements document prior to completing this form.
The following documents will be needed to complete the application:

- CVs (current within 1 year and a maximum of 2 pages each) for radiation oncology, diagnostic imaging, and medical oncology Diplomates involved in the training program
- Syllabi for coursework in medical physics, cancer biology, and radiation biology (including internal and external courses)
- Letters of agreement from cooperating institutions
- Letter of agreement from medical physics support for clinical training
- Resident calendar that includes the following:
- - 24 months of RO-specific activities (primary case responsibility, treatment planning, 1 week/year of radiation therapist activities)
  - 8 weeks of medical oncology
  - 4 weeks of diagnostic imaging
  - 40 hours of medical physics
  - 40 hours of clinical pathology
  - 80 hours of anesthesia in minimum 1-week blocks
  - 2 weeks of neurology
  - 2-week minimum off-clinic time per year (study, research, etc) not including vacation
  - Vacation time as mandated by state/institution
  - Required outrotations at cooperating institutions
- Resident evaluation forms

Submission Date

Thursday, January 26, 2023

Your Name

Charles A. Maitz

Your Address

900 East Campus Dr
Columbia, MO, 65211

Your Email Address

maitzc@missouri.edu

Radiation Oncologists in support of the program (Must be Diplomate(s) of the ACVR):

First Name	Last Name	Title/Credentials	Email	Phone	Number of weeks per year Diplomate is available to supervise* the resident
Charles	Maitz	DVM, PhD, DACVR-RO	maitzc@missouri.edu	573-882-7821	48

First Name	Last Name	Title/Credentials	Email	Phone	Number of weeks per year Diplomate is available to supervise* the resident
Jim	Lattimer	DVM, MS, DACVR	lattimerj@missouri.edu	573-882-7821	16
Tara	Ehling	DVM, DACVR, DACVIM	ehlingt@missouri.edu	636-332-5041	46

*Resident supervision is defined as being available on-site 40 hours/week (defined as a 4- or 5-day work week to equal a minimum of 40 hours) to support the resident in radiation oncology-related activities including patient consultation/management, review of treatment plans, position verification and participation in daily case-based rounds.

Which of the Radiation Oncology Diplomates listed above will serve as the Residency Director? This individual will be the primary contact for the residency program and will be responsible for completing all necessary forms/reviews and notifying the RO RSEC of any changes to the program. The Residency Director must be a Diplomate of the ACVR and must be located at the primary training institution.

Charles Maitz

Please confirm that during the minimum 24 months of RO-specific activities, a Supervising Diplomate will be present on site to supervise the resident as defined above for 40 hours/week (4-5 days).

Yes

A standard residency program is one that meets all of the residency program requirements set forth in the ACVR-RO Residency Essentials Training Standards document. An alternative or amended program is designed for one specific individual/resident and satisfactorily meets all of the residency program requirements, but is completed in an extended timeline (more than 3 years but fewer than 5 years).

This application is made for (check one):

Standard Program

Comments:

The vast majority of radiation therapy cases are managed through the radiation oncology service or

through the medical oncology service (with few exceptions being managed by equine, surgery, or neurology services). The radiation oncology service is integrated into the medical oncology service, and the resident is expected to have primary case responsibility, while also assisting other clinicians in the therapy-related side effects of their patients. The radiation oncology service readily consults with other services regarding the role of radiotherapy in the management of cases, and regularly participates in daily medical oncology case rounds.
Additionally, the entire radiation oncology service and the attending medical oncology service participate in weekly radiation therapy case rounds. The radiation oncology resident is expected to regularly see likely radiation therapy appointments (new cases and rechecks), and generally will manage ~1/3 of the radiation oncology patients, and see 3-5 appointments per week.
It should be noted that Dr. Ehling is off-site at our satellite clinic in Wentzville, MO. Wentzville, MO lies 80 miles east of Columbia, just outside of St. Louis. The inclusion of Wentzville caseload, greatly augments the residents' planning experience, as they will be involved in the development of treatment plans. Dr. Ehling attends weekly rounds either virtually or in person.
When the schedule is such that two residents overlap with radiation oncology duty, they will split time between receiving/consultation and planning/treatment duty. When only one resident is on, they will share planning, oversight, and receiving duties with the overseeing faculty. The oncology faculty will provide case backup to allow the resident to attend classes, most of which are prior to case treatment/receiving, but occasionally occur mid-day. In general, the resident will be enrolled in 1-2 courses per semester, which, historically, has been well-managed. The caseload at Missouri has also made this schedule manageable, though, when busy, resident time spent on primary receiving has been decreased to permit for planning requirements.

What is the total length of the training program?

36 months

Number of months dedicated solely to radiation oncology-specific activities as defined in the ACVR-RO Residency Essentials Training Standards document (RO-specific activities include primary case responsibility, treatment planning, 1 week/yr of therapist activities):

27

Primary Site:

VHC-Columbia

Hospital/University:

University of Missouri

Department:

Veterinary Medicine and Surgery

Address

900 East Campus Dr
Columbia, MO, 65211

Cooperating Institution(s) (if applicable)

Cooperating Institution (if applicable)	Hospital / University	Department	Street Address	City	State/Province	Postal/Zip Code

Cooperating Institution (if applicable)	Hospital / University	Department	Street Address	City	State/Province	Postal/Zip Code
University of Missouri	Veterinary Health Center Wentzville	Veterinary Medicine and Surgery	1092 Wentzville Pkwy	Wentzville	MO	63385

Advanced Degree and Research/Publication Requirement

Masters	Yes
PhD	Optional
Research Project	Yes
Publication	Optional

Documentation of residency completion is required to obtain Diplomate status. Is receipt of residency certificate dependent on completion of advanced degree/research/publication?

No

It is required that a residency in veterinary radiation oncology provide the trainee with experience in formulation of radiation treatment plans, dose calculation, and treatment administration for veterinary patients with cancer. This includes generation of both manual and computer-based treatment plans for megavoltage external beam irradiation. External beam planning experience must include both forward and inverse planning, even if only one of those types is utilized for treatment at the primary facility. Does the program fulfill these requirements?

Yes

It is required that a residency in veterinary radiation oncology provide the trainee with experience in primary case responsibility, including new referrals, ongoing radiation patients, and follow-up visits. This includes receiving patients, clinical rounds, client/referring DVM communications, and medical records keeping. Does the program fulfill these requirements as described on page 12 of the RO Essentials document?

Yes

Comments:

The resident is expected to have primary case responsibility for radiotherapy patients and new oncology cases. This will include keeping accurate and timely medical records, daily patient assessments, and student teaching pertaining to case management, oncology, and radiotherapy. The resident is also expected to attend and participate in daily afternoon case rounds and consult with other services within the VHC, as well as referring veterinarians. The resident should consult with the attending radiation oncology clinician on their cases; if that individual is unavailable, the resident should consult with the attending medical oncology clinician. When seeing new cases, the resident should freely communicate with the radiation oncology, medical oncology, and surgical oncology faculty, as appropriate for the management of their case. Patient discharge instructions should be completed at the time of patient discharge and should be reviewed by the radiation oncologist faculty for at least the first year of residency. After 3pm case rounds, the resident should round with staff regarding any cases undergoing anesthesia the following day and whether or not they will need to attend anesthesia board rounds at 4:45 that afternoon.

It is required that a residency in veterinary radiation oncology provide the trainee with a minimum of 1 week per year of radiation therapist activities to include daily linear accelerator quality assurance and warm up, patient positioning for treatment planning CT and therapy, radiation delivery (as allowed by the state/province), and acquisition of position verification imaging. Does the program fulfill these requirements?

Yes

Comments:

During this time, the resident will be accompanying the therapist and anesthetist during all treatments. The resident will take this time to learn about the equipment used in daily treatments and anesthesia. It is expected that the resident will be performing the treatments during the last 2 weeks of this rotation. The trainee will also participate in patient set-ups and learn the basics of the treatment planning software. The goal of this rotation is for the resident to understand the equipment well enough to carry out the routine duties of the therapist and anesthetist. After this rotation, the resident should be able to perform the duties of any radiation oncology staff in the event they are unable to perform their standard duties. These duties include (but are not limited to) leak-testing the anesthetic circuit, routine maintenance on anesthesia equipment, Daily linac QA, treatment delivery, patient CT setup, and block pouring.

How will the resident be trained in radiation biology? Please provide a description of formal and

informal training experiences, or indicate time allotted for self-study.

The resident is required to take a 3 credit didactic course in radiation biology taught through the VMS and Chemistry department. This course is taken in the fall of the first year of the program. The resident is also offered a Radiochemistry course, which includes a fair amount of radiation biology content. Journal readings from various oncology focused journals are assigned from time to time. Reading of the entire latest edition of Hall and the Basic Clinical Radiobiology (Joiner and Van der Kogel) are required, and the resident is encouraged to set up a book review with faculty.

Please provide instructors' names and credentials for radiation biology formal and informal training:

Charles Maitz, DVM, PhD (Radiochemistry), DACVR-RO
Jeffrey Bryan, DVM, MS, PhD (Radiobiology), DACVIM (Oncology)
Michael Lewis, PhD (Radiochemistry)
Jim Lattimer, DVM, MS, DACVR (RO/DI)
Tara Ehling, DVM, DACVR-RO, DACVIM (Oncology)

How will the resident be trained in cancer biology? Please provide a description of formal and informal training experiences, or indicate time allotted for self-study.

Cancer biology is covered as a portion of the courses in Radiation Biology, Advanced Oncology, and Radiation Therapyas described above. The resident also participates in journal and book review with the medical oncology residents, which includes the reading of Tannock and Hill, as well as Weinberg. Journal readings from various oncology focused journals are assigned from time to time. Multiple seminars on various aspects of tumor biology both in the Department of Veterinary Medicine and Surgery and at Ellis Fischel Cancer Center are attended throughout the course of the program as well.

Please provide instructors' names and credentials for cancer biology formal and informal training:

Charles Maitz, DVM, PhD (Radiochemistry), DACVR-RO
Jeffrey Bryan, DVM, MS, PhD (Radiobiology), DACVIM (Oncology)
Lindsay Donnelly, DVM, MS, DACVIM (Oncology)
Yoshimi Iwaki, DVM, DACVIM (Oncology)
Michael Lewis, PhD (Radiochemistry)

How will the resident be trained in medical physics? Please provide a description of formal and informal didactic (non-clinical) experiences, or indicate time allotted for self-study.

The resident is required to take the course in Radiation Therapy which covers the basics of radiation physics and the safe use of radiation sources as well as shielding calculations. The resident is also given the option of taking the Intro to Radiochemistry course, which includes a detection lab, and covers, in depth, radiation interaction with matter and radiation physics. The resident is required to learn and be able to perform daily, weekly, and monthly radiation safety and physics checks on the linear accelerator. The resident is required to perform hand dose calculations for radiation therapy treatments which are checked by one of the ACVRO Diplomates. Informal discussion on radiation physics occur frequently in the course of the program.

AAPM certified physicists are used to oversee the physics certification of the program and are available for consultation when need arises. Currently, the physicists are employed on a contracted basis, are on site for 1/2 day per week at each site (VHC and VHC-W). Outside of these specific times, the physicists are readily available for discussion Reading and discussion of Kahn's "The Physics of Radiation Therapy" is also required.

Please provide instructors' names and credentials for didactic (non-clinical) medical physics formal and informal training:

Charles Maitz, DVM, PhD (Radiochemistry), DACVR-RO
Jim Lattimer, DVM, MS, DACVR (RO/DI)

Amelia Wexler, PhD, DABR

Medical physics training requires 1 week or 40 hours of clinical contact with a qualified medical physicist. Please provide a description of the training experience.

The resident is expected to participate in monthly and annual quality assurance testing with the physicist when they come on site (1 day every other week). The physicist will also train the resident to perform plan QA and will serve as a resource for ad hoc questions as they arise. The resident is also expected to participate in an out-rotation at a human radiation oncology department (often Ellis Fischel Cancer Center) and will shadow the radiation oncologists, dosimetrists, and physicists in that clinical setting as well.

Medical Physicist(s) in support of clinical training in the residency program

First Name	Last Name	Title/Credentials	Physicist on-site? Y/N
Amelia	Wexler	PhD, DABR	No
Michael	Rutstein	MS, DABR	No

A minimum of 1 hour of medical literature review with an ACVR-RO Diplomate is required monthly. Please describe this experience, and any additional formal or informal conferences available to the resident (including journal clubs, seminars, book reviews, etc.) that are not already listed above:

There is a weekly 1-hour (Tuesday afternoon) resident-led journal club that is attended by radiation oncology faculty. During this time, the residents cover chapters from Khan, Hall, Joiner and Van der Kogel, journal articles, or past RAPHEX/RABEX exams. Additionally, the residents participate in the oncology journal club (Friday mornings) which are similar, but are attended by medical, radiation, and surgical oncology faculty and house officers.

The resident is required to present at least 2 lectures or scientific presentations during the course of the residency. Please describe how the program will fulfill this requirement:

The residents are required to provide 1 hour CE each year as part of our Departmental Resident & Intern Seminar Series. The residents are also responsible for a 1 hour lecture on radiation therapy delivered to the clinical veterinary students every two weeks.

Furthermore, the resident is encouraged to present at a scientific meeting at least once during the course of their residency.

The program must include an external beam radiation therapy machine in the megavoltage range and 3D computerized radiation treatment-planning capabilities to create treatment plans used for treatment delivery. Residents must have on-site access to treatment planning systems capable of forward and inverse planning even if both types of planning techniques are not deliverable at that institution.

Please list the manufacturer and model of the on-site external beam radiation therapy delivery system:

Elekta Infinity HD

Please list the manufacturer and model of the on-site radiation therapy treatment planning system(s). Please indicate whether they are capable of forward or inverse planning, or both, and whether or not they are used clinically to deliver treatments:

Elekta Monaco (capable of both forward and inverse planning; used clinically)

The clinical training requirements in the following six questions, described on pages 15 and 16 of the RO Essentials document can be fulfilled at a cooperating institution if the primary institution lacks resources to accomplish them. Training at cooperating institutions must be supervised by a Supervising or Supporting ACVR-RO Diplomate and a letter of agreement from the cooperating institution is required. The training requirements can be combined into a single minimum 2-week

learning experience at the cooperating institution.

The residency program requires hands-on clinical experience to develop expertise and self-sufficiency in manual setups and manual treatment planning with photons. How does the program fulfill this requirement?

We treat roughly 120 cases per year at the VHC Columbia facility. Of these, approximately 15-20% are manual setups, about 75% of which are using photons. Therefore, the residents may see up to 10-15 of these cases per year. Additionally, the residents perform manual calculation MU checks for all 3D-CRT plans implemented

The residency program requires hands-on clinical experience to develop expertise and self-sufficiency in manual setups and manual treatment planning with electrons. How does the program fulfill this requirement?

We treat roughly 120 cases per year at the VHC Columbia facility. Of these, approximately 15-20% are manual setups, about 25% of which are using electrons. Therefore, the residents may see 3-6 of these cases per year.

The residency program requires hands-on clinical experience with forward planning for 3D conformal radiotherapy (non-IMRT). How does the program fulfill this requirement?

The majority of our palliative caseload, and some of our definitive caseload is treated using 3D-CRT. When planning, residents are encouraged to attempt 3D-CRT plans prior to planning using IMRT or VMAT.

The residency program requires hands-on clinical experience with inverse planning for IMRT. How does the program fulfill this requirement?

The majority of our definitive caseload is delivered with IMRT, as is the entirety of our SRT/SBRT caseload. The residents plan well over 100 cases per year using inverse planning techniques. This number is close to 200 per year when including cases planned for our Wentzville facility.

The residency program requires hands-on clinical experience in on-board imaging verification with MV or KV CT. How does the program fulfill this requirement?

The Elekta Infinity has on-board 4D kV CBCT which is used daily. This is used for the vast majority of our IMRT/VMAT cases.

The residency program requires hands-on clinical experience in on-board imaging verification with kV digital radiographs. How does the program fulfill this requirement?

Orthogonal kV imaging is used for the majority of our 3D-CRT caseload at the VHC Columbia clinic.

The residency program requires hands-on clinical experience in on-board imaging verification with MV portal imaging. How does the program fulfill this requirement?

Orthogonal MV imaging is used for the entire caseload at the VHC Wentzville clinic at which the resident spends at least 2 weeks per year.

Radiologist(s) in support of the residency program [Must be Diplomate(s) of the ACVR or ECVDI]

First Name	Last Name	Title/Credentials	Diplomate on-site? Y/N
Jim	Lattimer	DVM, MS, DACVR (RO/DI)	Yes
Jodi	Matheson	DVM, DACVR	Yes
James	Karnia	DVM, DACVR	Yes

The residency program requires at least 26 weeks/year of on-site diagnostic imaging support

from a ACVR or ECVDI Diplomate and availability for remote support for at least 45 weeks/year. How will the institution fulfill this requirement?

ACVR diplomates are available on site 52 weeks per year.

How will the resident be trained in diagnostic imaging? Please provide a description of formal and informal training experiences as well as a description of the resident's role while rotating on a diagnostic imaging service:

The resident is required to complete 1 month of formal diagnostic imaging training. During this training, the resident is required to attend the radiology rounds in which all diagnostic imaging studies are reviewed and final consensus interpretation arrived at. Residents present their cases at this session and are critiqued by ACVR-DI diplomates. The resident will spend the remaining time evaluating radiology cases of all modalities, but will focus on volumetric imaging and imaging of oncology patients.

During the course of their program the radiation oncology resident is required to interpret imaging studies from all modalities for all radiation oncology cases under the supervision of the radiation oncology faculty. Further instruction in diagnostic interpretation will occur in one-on-one discussions with diagnostic radiologists and the radiation oncologist on duty about interpretation of studies on oncology patients.

The program must have on-site access to modern radiographic equipment, including digital or computed radiography, ultrasound, and CT. Does the institution fulfill this requirement?

Yes.

Medical Oncologist(s) in support of the residency program [Must be Diplomate(s) of the ACVIM, Specialty of Oncology]

First Name	Last Name	Title/Credentials	Diplomate on-site? Y/N
Jeffrey	Bryan	DVM, MS, PhD, DACVIM	Yes
Lindsay	Donnelly	DVM, MS, DACVIM	Yes
Yoshimi	Iwaki	DVM, DACVIM	Yes

The residency program requires at least 26 weeks/year of on-site medical oncology support from an ACVIM (Oncology) Diplomate. How will the institution fulfill this requirement?

ACVIM medical oncologists are on site 52 weeks per year.

How will the resident receive training in medical oncology? Please provide a description of formal and informal training experiences as well as a description of the resident's role while rotating on a medical oncology service:

The resident is required to take the Graduate Course in Advanced Oncology given by the Oncology Faculty. The resident is expected to attend the weekly staff rounds for the oncology section and the weekly radiation oncology rounds which includes the medical and radiation oncology faculty residents and technicians.
The Resident will spend one month during the first year of the program functioning as a medical oncology resident under the supervision and direction of the medical oncology faculty. The resident will repeat this one month on medical oncology during their second year (for a total of 2 months training). During this time the resident will function as a resident-clinician on the medical oncology service. This training should not focus on patients that will or are receiving radiation therapy, but should include all types of oncology cases. The resident should understand the mechanisms of action of the frequently administered chemotherapy agents, and should be familiar with the management of chemotherapy-related side effects. The resident is expected to be proficient in all of the skills and techniques

described in the ACVR/ACVIM Resident Training Objectives Ad Hoc Committee 2015 Report. In addition, there is daily consultation between the radiation oncologists and medical oncologists, including daily case rounds including all oncology services. This communication is at both the faculty and resident levels. There are currently six medical oncology residents and one surgical oncology intern in the hospital, and the oncology service is closely integrated at all levels.

Surgeon(s) in support of the residency program [Must be Diplomate(s) of the ACVS]

First Name	Last Name	Title/Credentials	Diplomate on-site? Y/N
F.A.	Mann	DVM, MS, DACVS, DACVECC	Yes
Owen	Skinner	BVSc, DECVS, DACVS-SA, MRCVS, ACVS Fellow - Surgical Oncology	Yes
Megan	Mickelson	DVM, DACVS-SA, ACVS Fellow - Surgical Oncology	Yes
Derek	Fox	DVM, DACVS	Yes

The residency program requires at least 26 weeks/year of on-site surgical support from an ACVS Diplomate. How will the institution fulfill this requirement?

We have a fully-integrated, full-time surgical oncology service as part of our integrated oncology service.

Pathologist(s) in support of the residency program [Must be Diplomate(s) of the ACVP (Anatomic or Clinical Pathology) or ECVP (Clinical Pathology)]

First Name	Last Name	Title/Credentials	Diplomate on-site? Y/N
Angela	Royal	DVM, MS, DACVP (Clin Path)	Yes
Annabelle	Burnum	DVM, DACVP (Pathology)	Yes
Dae Young	Kim	DVM, PhD, DACVP (Pathology)	Yes
Kei	Kuroki	DVM, PhD, DACVP (Pathology)	Yes
Fred	Williams	DVM, DACVP (Pathology)	Yes
Tamara	Hancock	DVM, MS, DACVP (Clin Path)	Yes
Maria	DeCourcey	DVM, DACVP (Clin PAth)	Yes

The residency program requires at least 45 weeks/year of anatomic and clinical pathology support by ACVP Diplomates. If not on-site, a letter of support must be submitted. How will the institution fulfill this requirement?

On site anatomic and clinical pathology support is provided 52 weeks per year.

At least 1 week or 40 hours in a clinical rotation or rounds with a clinical pathologist are required during the residency program. If off-site, a letter of agreement must be submitted. How will the institution fulfill this requirement?

Anatomic pathology rounds occur 1 hour per week on Wednesday mornings, and Clinical pathology rounds occur 1 hour every other week on Friday mornings. Residents are expected to attend these every week.

Anesthesia Specialists in support of the residency program [Must be Diplomate(s) of the ACVAA or ECVAA, or Veterinary Technician Specialists (VTS)]

First Name	Last Name	Title/Credentials	Diplomate on-site? Y/N
John	Dodam	DVM, PhD, DACVA	Yes
Alex	Bukoski	DVM, PhD, DACVA	Yes

The residency program requires two 1-week (40-hour per week) clinical rotations (80 hours in total) in anesthesia with an Anesthesia Specialist, as defined above. Please provide a description of this training experience and the resident's role on this rotation.

Anesthesia – 2 weeks – During this time the resident will function as a resident-clinician on the anesthesia service, and be under the guidance of the anesthesia faculty.

Neurologist(s) in support of the residency program [Must be Diplomate(s) of the ACVIM, Specialty of Neurology or ECVN]

First Name	Last Name	Title/Credentials	Diplomate on-site? Y/N
Joan	Coates	DVM, PhD, DACVIM (Neurology)	Yes
Ji-Hey	Lim	DVM, PhD, DACVIM (Neurology)	Yes
Sissy	Hong	DVM, MVM, MS, DACVIM (NEurology)	Yes

The residency program requires a 2-week clinical rotation supervised by a Diplomate of the ACVIM (Neurology) or ECVN. Please provide a description of the training experience and resident's role on this rotation.

Neurology – 2 weeks – During this time the resident will function as a resident-clinician on the neurology service, and will be under the guidance of the neurology faculty.

Please list all additional board certified specialists in direct support of the residency program. If offsite, please explain relationship:

Name	Certifying College/Board	Subspecialty (if applicable)	Explain Relationship if offsite
Elizabeth Guiliano	ACVO		
Kevin Donnelly	ACVO		
Stacey Leach	ACVIM (Cardiology)		
Kelly Wiggen	ACVIM (Cardiology)		

Name	Certifying College/Board	Subspecialty (if applicable)	Explain Relationship if offsite
Carol Reinero	ACVIM (Int Med)		
Leah Cohn	ACVIM (Int Med)		
Laura Nafe	ACVIM (Int Med)		

Evaluation of resident performance and progress must be documented every 6 months through appropriate techniques, including faculty appraisal, or oral or written tests, or a combination of these. Institutional resident evaluation forms should be submitted as part of the residency application. How will the program fulfill this requirement?

Bi-annual evaluations using the attached evaluation form.

If applicable, please list the residents who have completed the training program within the last five years, including the year that each individual's training program ended. If possible, provide the status of each individual with respect to the board certification process.

Hayley Ashworth - 2022 - board certified
Melanie Moore - 2018 - board certified

Please list any additional information of interest in support of this residency application.

The resident will serve as a radiation therapist for the 6 weeks of RO foundations (on the calendar). Additionally, the 'treatments & planning' resident (as opposed to the 'consults' resident) will serve as the therapist every Friday, thus equaling half of the Fridays they are on the RO service.

Upload the following information

- CVs (current within 1 year and maximum of 2 pages) for each radiation oncologist, radiologist and medical oncologist involved in the training program
- Resident calendar that includes the following:
  - 24 months of RO-specific activities (primary case responsibility, treatment planning, 1 week/year of radiation therapist activities)
  - 8 weeks of medical oncology
  - 4 weeks of diagnostic imaging
  - 40 hours of medical physics
  - 40 hours of clinical pathology
  - 80 hours of anesthesia in minimum 1-week blocks
  - 2 weeks of neurology
  - 2-week minimum off-clinic time per year (study, research, etc) not including vacation
  - Vacation time as mandated by state/institution
  - Required outrotations at cooperating institution(s)
- Letters of agreement from cooperating institutions
- Letter of agreement from medical physics support for clinical training
- Residency evaluation forms
- Syllabi for any formal or informal coursework

CVs

2022 Tara Ehling DVM CV.doc

Donnelly CV 2 pg.doc

JN_Bryan_CV_01-23 2 pg.doc

Maitz Biosketch Xerostomia….docx

CV - Iwaki.pdf

Lattimer 2023 Biosketch.doc

Matheson CV Short.docx

Resident Calendar

2023-2024 RO Resident Sche….xlsx

Letter of Agreement from Medical Physics Support for Clinical Training

Vet Med Physics Amendment 2.pdf

Residency Evaluation Forms

Residency Evaluation Form.doc

Syllabi for Coursework

8640 course syllabus 2022.pdf

Syllabus 8488 2024.docx

VMS 8417 Spring 2023 Sylla… .doc

VMS8419_Spring_2022.doc