Koichi Nagata

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Submission Date	Jan 24, 2025 9:03 AM
By clicking below, I acknowledge that I have reviewed the Radiation Oncology (RO) Residency Program Essentials Training Standards and Requirements.	I have reviewed the RO Residency Program Essentials Training Standards and Requirements.
Submission Date	Jan 24, 2025
Please select one of the following:	This is a reapplication for an existing program.
Program/Institution Name	University of Georgia
Date of Initial Program Approval	Apr 24, 2018
Date of Last Program Reapproval	May 14, 2021
Do you currently have radiation oncology resident(s) in training?	No
Residency Director Name	Koichi Nagata
Residency Director Email	konagata@uga.edu
Primary Training Institution Address	2200 College Station Rd Athens, GA, 30602

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
Koichi	Nagata	BVSc, DACVR(RO)	konagata@uga.edu	7065423221	48

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

Comments:

n/a

This application is for (check one):

Standard Program

Comments:

n/a

What is the total length (in months) of the training program?

3 years

Number of months dedicated solely to radiation oncology-specific activities as defined in the ACVR-RO Residency Essentials Training Standards document:

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Primary Training Site:

University of Georgia

Hospital/University

University of Georgia

Department

College of Veterinary Medicine

Address

2200 College Station Road

Athens, GA, 30602

Cooperating Institution(s) [if applicable]

Cooperating Institution (if applicable)	Hospital / University	Department	Street Address	City	State/Province	Postal/Zip Code
n/a				Athens	GA	30606

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

Advanced Degree and Research/Publication Requirement

	Yes	No	Optional
Masters		●	
PhD		●	
Research Project		●	
Publication		●	

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

Comments:

n/a

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:

n/a

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:	n/a
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 radiation oncology resident will read the entire radiobiology textbook "Radiobiology for the Radiologist (Eric J Hall)". The mentor (radiation oncologist) will quiz the radiation oncology resident on the contents of the book. The radiation oncology resident will also learn radiobiology from multiple different sources (scientific journals, oncology textbooks, attending seminars, ASTRO radiobiology exams).
Please provide instructors' names and credentials for radiation biology formal and informal training:	Koichi Nagata, BVSc, DACVR(RO)
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.	The radiation oncology resident will learn cancer biology via textbooks on cancer biology (Basic Science of Oncology [Tannock and Hill], The Biology of Cancer [Robert Weinberg]), attending Medical Oncology journal clubs, and attending scientific meetings such as the Veterinary Cancer Society and ACVR annual meetings. The resident will take quiz made by the mentor (radiation oncologist).
Please provide instructors' names and credentials for cancer biology formal and informal training:	Koichi Nagata, BVSc, DACVR(RO)
Please provide instructors' names and credentials for didactic (non-clinical) medical physics formal and informal training:	Koichi Nagata, BVSc, DACVR(RO)
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 medical physicist will have a few hours per session (it will be 40 hours total--this will be spread out over 3 years during RO rotation) of on-site or off-site (Zoom) lecture on the topics described by the ACVR. He will explain the concepts and radiation-related equipment. Some content will involve the physics textbook (Kahn) and Raphex Q&A booklet that the resident will go over.

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

First Name	Last Name	Title/Credentials	Physicist on-site? Y/N
Oscar	Calvo	PhD, 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.)	The radiation oncologist will go over latest medical literature monthly for 1 hour (at least). If the resident is on vacation or other rotations, this will be postponed until the next RO rotation (the time will be added to compensate for the postponement so that it would be at least 1 hour per month on average).

that are not already listed above:	
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 radiation oncology resident is expected to give a 45 minute formal lecture once a year to the students and faculty members at the University of Georgia.
Please list the manufacturer and model of the on-site external beam radiation therapy delivery system:	Trilogy, Varian
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:	Eclipse ver. 16.1, Varian. Capable of inverse and forward planning. They are both used to deliver treatments.
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?	The resident is expected to set up all patients that need MV x-ray for the treatment (if he/she is on RO rotation). Radiation Oncologist will supervise the procedure and make corrections if needed.
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?	The resident is expected to set up all electron patients (if he/she is on RO rotation). Radiation Oncologist will supervise the procedure and make corrections if needed. Since we don't have a lot of patients that require electron beam treatment, if there are no patients to treat, we will use an animal model to simulate the setup.
The residency program requires hands-on clinical experience with forward planning for 3D conformal radiotherapy (non-IMRT). How does the program fulfill this requirement?	Residents will be expected to create a 3D conformal plan for real patients if required (it's not common--several cases a year). In addition, patient that are treated with IMRT can be used for training of residents. RO diplomate will review and evaluate the plan, and give resident a feedback.
The residency program requires hands-on clinical experience with inverse planning for IMRT. How does the program fulfill this requirement?	At our institution, we routinely treat our patients with IMRT (most patients are treated with IMRT). The resident is required to make a plan on his/her own and RO diplomate will modify the plan as needed.
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?	We routinely perform cone-beam kv CT (CBCT) using the OBI. The resident is expected to perform the procedure and evaluate the appropriateness of patient positioning on a regular basis. They will receive a feedback from the radiation oncologist. We do not perform MV CT.
The residency program requires hands-on clinical experience in on-board imaging verification with kV digital radiographs. How does the program fulfill this requirement?	We routinely perform orthogonal kv digital radiography using the OBI. The resident is expected to perform the procedure and evaluate the appropriateness of patient positioning on a regular basis. They will receive a feedback from the radiation oncologist.

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

We will perform MV port films on an irregular basis solely for resident training purposes. Also, we have an archive of MV port films from over 10 years ago, which can be used for training purposes.

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
Michael	Perlini	DACVR (Radiology)	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?

We have a radiology service on-site with a radiologist who is on site all the time (unless he is on a vacation or an academic meeting).

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 expected to participate in daily image review rounds, and be exposed to different imaging techniques, including CT, MR, nuclear medicine, and diagnostic ultrasound. The resident is expected to review and provide written interpretations of radiographs and CT scans. Particular care should be taken to review imaging associated with patients receiving radiotherapy.

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

Please provide a list of the equipment that is available:

Diagnostic Imaging is equipped with 3 small animal radiograph suites, 1 large animal suite supported with digital radiography (Cannon DR), an additional small animal radiograph suite with flat-panel fluoroscopy, a dedicated interventional radiology suite with a Canon Alphenix C-Arm system, 2 small animal ultrasonography suites (two Cannon Aplio i700 units), a large animal ultrasonography suite (GE Logiq S8), Siemens Somatom Definition Edge 128 slice CT (with equine table), 3T Siemens Skyra MRI (with equine table), and nuclear scintigraphy. MRI, CT, nuclear scintigraphy, and IR are accessible to small and large animals.
All diagnostic imaging studies are performed and interpreted under the supervision of ACVR diplomates, who support and guide the residents with all modalities.

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
Corey	Saba	DACVIM (Oncology)	Yes
Dawn	Clarke	DACVIM (Oncology)	Yes
Travis	Laver	DACVIM (Oncology)	Yes

The residency program requires at least 26 weeks/year of on-site medical oncology support from an ACVIM (Oncology) Diplomate. How

We have at least two board-certified medical oncologists on clinics throughout the year.

will the institution fulfill this requirement?

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 will be the primary clinician for all cases during this period. The resident will take history, perform physical exam, come up with a treatment plan (which will be discussed with the medical oncologist), administer chemotherapy drugs, write discharges, call owners (if needed), and write medical records. The resident will understand the mechanisms of action of the frequently administered chemotherapy agents, and will 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.

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
Janet	Grimes	DACVS	Yes
Mandy	Wallace	DACVS	Yes
Chad	Schmiedt	DACVS	Yes
Val	Verpaalen	DACVS	Yes
Brian	Sutherland	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 soft tissue service and orthopedic service that are available all year round for consultation and surgical treatments.

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	Clinical or Anatomical
Corrie	Brown	DACVP (Anatomic Pathology)	Yes	Anatomical
Bridget	Garner	DACVP (Clinical Pathology)	Yes	Clinical
Nicole	Gottdenker	DACVP (Anatomic Pathology)	Yes	Anatomical
Kristina	Meichner	DACVP (Clinical Pathology)	Yes	Clinical
Elizabeth	Howerth	DACVP (Anatomic Pathology)	Yes	Anatomical
Pauline	Rakich	DACVP(Clinical Pathology)	Yes	Clinical

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?

We have both anatomical pathology service and clinical pathology service all year round.

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?

There are cytology rounds, 1 hour, held every Friday. The radiation oncology resident is required to participate every week throughout their residency.

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
Stephanie	Dantine	DACVAA	Yes
Jane	Quandt	DACVAA	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.

The resident will be assigned cases on the day before an anesthetic procedure. The resident will be performing anesthesia for various patients (primarily small animals) during this time.

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
Marc	Kent	DACVIM (Neurology)	Yes
Renee	Barber	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.

The resident is expected to take primary cases during this time. This will involve performing physical exams, neurological exams, taking history, interpreting neurology-related images (MRI etc.). They will also participate in rounds and journal clubs.

Please list all additional board certified specialists in direct support of the residency program. [e.g., ACVIM(internal medicine, cardiology), ACVO, etc.] If offsite, please explain relationship:

Name	Certifying College/Board	Subspecialty (if applicable)	Explain Relationship if offsite
Frane	Banovic	DECVD (Dermatology)	
Joseph	Bartges	DACVIM (Internal Medicine)	
Benjamin	Brainard	DACVECC	
Amanda	Erickson-Coleman	DACVIM (Cardiology)	
Amie	Koenig	DACVECC	
Joerg	Mayer	DECZM, DACZM (Exotic)	
Steve	Divers	DECZM, DACZM (Exotic)	
Jo	Smith	DACVIM (Internal	

Name	Certifying College/Board	Subspecialty (if applicable)	Explain Relationship if offsite
		Medicine)	

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?

The resident director will use an evaluation form (attached) to evaluate each resident and will go over every 6 months. Feedbacks will be given, and the goals will be made clear.

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.

Evan Ducker: residency 2020 to 2022. Board certified (DACVR-RO)
Jishnu Rao Gutti: residency 2022 to 2024. Board certified (DACVR-RO)

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

n/a

CVs

2025 CV to be submitted NAGATA - 2 ... .docx
21.56 KB

ClarkeDawn NIHBio 2024.doc
66 KB

Laver 2 page CV 1-2025.docx
33.27 KB

Perlini 2 page CV.docx
15.71 KB

Saba biosketch_2024.docx
31.44 KB

Resident Calendar

ACVR-RO-RSEC-Calendar-UGA.pdf
119.94 KB

Letter of Agreement from Medical Physics Support for Clinical Training

Medical Physics Agreement Claudia.pdf
282.35 KB

Resident Evaluation Forms

Residency Evaluation Form - Copy.doc
80.5 KB

Syllabi for Coursework

syllabus 3 yr - 3.0 jan 13 2025.docx
18.08 KB