

Rohrmann Endowment for UW Radiology Resident Educational Excellence

Endowment Support for Outreach to Students: Fostering an interest in Radiology careers

The UW Department of Radiology's "Pipeline" subcommittee of the Equity, Diversity and Inclusion (EDI) Committee has been very instrumental in providing opportunities to students who are interested in exploring potential careers in medicine, and specifically the vast array of prospective occupations in Radiology. Residents, physicists, radiology professors, ultrasonography technologists, and other UW Radiology staff participated in three events this past fall: TAF Saghalie in Federal Way, Chief Sealth International High School Career Day in October, and Roosevelt High School Career Fair in November. These events were well attended by students, who had the unique opportunity to use hand-held wireless ultrasound probes on phantoms to experience what it looks like to "see inside" a patient's anatomy, providing a great introduction to diagnostic imaging!

"The generous funds granted by the **Rohrmann Endowment** to purchase wireless ultrasound probes for the purpose of immersing high school youth has gone beyond our expectations. Our initial desire to bring radiology to the hands of the children at TAF career fair had quickly gained success, producing enthusiasm and interest in both students and staff that drove us towards our subsequent participations at Roosevelt High and International High career fairs with a similar promising engagement.



A student at Chief Sealth International High School using wireless ultrasound probe



Adlai Grayson & Anisha Konanur, Radiology residents, answer students' questions at the Chief Sealth International High School Career Fair

These probes, in combination with the previously purchased phantoms and tablets, have given the students a direct hands-on experience. It not only brought up inquisitive questions about the phantoms but true interest in how the ultrasound probes worked in order to see the imagery that was being produced and brought them to our tables multiple times! Thank you again for giving us the chance to provide this full experience. Many young lives were touched and we believe it will drive very successful upcoming immersion weeks in 2024.



When these probes are not in use for our youth program, there is value to them for our UW Radiology residents. These will be handy as readily available practice tools such as self-guided core biopsies or focused scanning to familiarize trainees with the ultrasound optimization tools available through the tablet app. This will be used to further understand manipulation of 3D



anatomy and the physics that drive the images they will produce to ease direct patient-physician interactions and future ultrasound-related experiences."

– Christina Popchoi, UW Radiology sonographer (pictured with students above and at right)

Education Endowment Funding for Residents at RSNA, Showcasing Award-Winning Educational Exhibits!

Our UW Radiology residents had many opportunities to connect and network with colleagues at the RSNA 2023 Annual Meeting in Chicago, thanks to the generous support of UW Radiology Education Endowment funds, including the Charles A. Rohrmann, Jr., M.D. Endowment for Radiology Resident Educational Excellence (**Rohrmann Endowment**), and the Michael and Rebecca McGoodwin Endowment for Radiology Resident and Fellow Training and Education (**McGoodwin Endowment**). These two educational endowment funds provide much-needed funding for residents to travel to national and international radiological society meetings to present their research and participate in educational forums.

"I am excited to share my experience at the 2023 RSNA meeting, graciously made possible by the **Rohrmann Endowment's** generous support. Serving as a panelist, I had the privilege of co-presenting the collaborative efforts of our RG TEAM and Radiographics Trainee Editorial Advisory Members. Our focus was on leveraging the journal's presence across various social media platforms and developing innovative educational materials based on *Radiographics* articles. Moreover, I engaged in meetings with esteemed journal editorial boards, connecting with leaders in radiology journalism.

The RSNA proved to be more than a platform for advancing radiological knowledge; it was a nexus of valuable networking opportunities. I fostered connections with peers and colleagues, sharing insights and initiatives that are shaping the future of our field. The meeting's conclusion for me was marked by a celebratory gathering, highlighting the camaraderie among professionals representing diverse institutions.

This experience would not have been possible without the unwavering support of the **Rohrmann Endowment**. I am deeply grateful for their facilitation of this transformative journey, empowering us to engage, connect, and contribute to the advancement of radiology." – *Farhad Pishgar, MD, PGY-2*



Farhad Pishgar, MD, presenting at RSNA 2023



Michelle Ho, MD, at RSNA 2023 presenting her Educational Exhibit

"I am grateful to the **Rohrmann Endowment** for making my participation in the RSNA 2023 conference possible. The financial support allowed me to present a scientific poster on flipped classroom learning for radiology residents, facilitating the exchange of valuable insights in the field. Engaging with educators from various institutions provided a unique opportunity to share insights and learn from their experiences. As a trainee, attending resident-specific sessions allowed me to enhance my knowledge and skills in a focused and tailored manner. Bonding with my co-residents and meeting peers from around the country made the experience even more enjoyable. Thank you for enabling this enriching and inspiring experience."

– *Michelle Ho, MD, PGY-3*



Residents with Dushyant Sahani, Chair, and former Diagnostic Radiology Program Director, Tess Chapman, at the UW Radiology Reception!

You can support UW Radiology Resident Educational Excellence!

Donating to the Department of Radiology is crucial to carrying out our mission to train the practitioners and leaders of tomorrow.

Learn about the many ways to support our department:

<https://rad.washington.edu/donate/>

RSNA 2023 – Residents Thank You for your Support!

“I would like to express my sincere gratitude to the **Rohrmann Endowment** for sponsoring my attendance at the RSNA 2023 annual meeting. RSNA was an amazing experience with numerous scientific and teaching sessions, technical exhibits, and networking opportunities that allowed me to expand my knowledge, learn about the latest advancements and technology, connect with colleagues and friends from around the world, and get inspired by the incredible potential and opportunities in the field!”

– Rozita Jalilianhasanpour, MD, PGY-3

“MRI after Focal Therapy for Prostate Cancer: What Radiologists Must Know,” Rozita Jalilianhasanpour, MD, Alireza Abadi, MD, Bahar Mansoori, MD, Nastaran Hosseini, Sandeep Singh Arora, MBBS, William Ellis, MD, Aytekin Oto, MD, Preston Sprenkle, MD, George Schade, MD, Pejman Ghanouni, MD, PhD, Antonio C. Westphalen, MD, PhD



“I’m so glad we were able to attend RSNA with funding from the **Rohrmann Endowment**. It was an amazing experience learning from and meeting so many talented radiologists from around the world. We were able to attend some great educational sessions, including by some of our faculty Dr. Gautham Reddy and Dr. Bahar Mansoori.

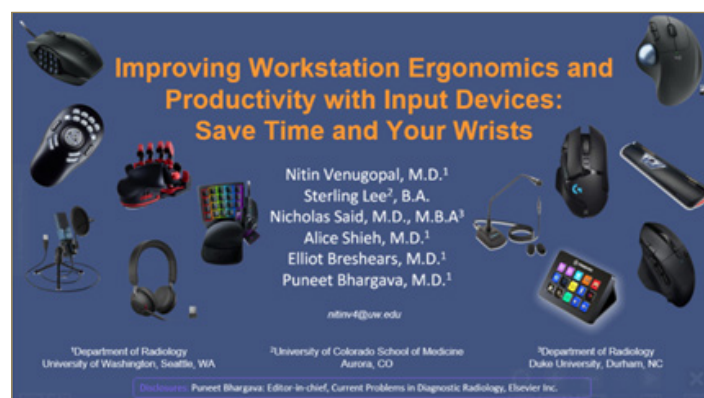
The UW alumni reception was also a lot of fun, and we had a great time meeting some former UW trainees and faculty. It was exciting to share my own educational exhibits as well and to see all the great presentations put together by my colleagues at UW and at other institutions. One of our projects was also featured in the [RSNA Daily Bulletin](#).”

– Nitin Venugopal, MD, PGY-4



Certificate of Merit Awards!

Nitin and his colleagues came away from the RSNA 2023 meeting with these two award-winning educational exhibits! Congratulations!



Nitin, Michelle, and Rozita at RSNA 2023

The Rohrmann Endowment supports residents presenting at International Meetings

“As a resident with an interest in both research and academics, I find having the backing from my program to pursue scholarly endeavors is extremely valuable. Here at UW, we are fortunate not only to have the support of leadership, but also financial aid from the **Rohrmann Endowment**. Thanks to the fund, this past September I was able to attend the annual Cardiovascular and Interventional Radiological Society of Europe, Annual Congress 2023 (CIRSE) conference in Copenhagen. It was an incredibly rewarding experience, and it was amazing to both share the research I’ve been working on while also watching our other talented UW residents present research of their own.

At CIRSE, I was also able to learn about new frontiers in clinical radiology and gain exposure to innovative new devices and procedural techniques. With the generosity of the fund allowing me to travel to Europe, I was also provided with the unique opportunity to see the similarities and differences between US-based and different European country-based practices, all the while getting to meet some incredible colleagues from all over the world!

Finally, I was able to grow closer to my fellow residents. As a junior IR resident, I am afforded less time to interact with the other IR folks, and being able to spend a week together at CIRSE was a fantastic comradery-building (and not to mention fun!) experience. Thank you to the **Rohrmann Endowment**, for allowing us all to enjoy CIRSE 2023!”
– *Gabriel Li, MD, PGY3*

Thank you to the **Rohrmann Endowment** for the support to travel to and participate at the CIRSE 2023 conference in Copenhagen to share an educational exhibit on current state of penile angiography and cavernosometry/cavernosography for the evaluation of erectile dysfunction. CIRSE is a wonderful educational experience and it was great to participate in the simulation lab they had set up as well as sit in lectures in person and meet colleagues ‘across the pond.’ Thank you for your support!”

– *Kara Fitzgerald, MD, PGY5*

Your support for UW Radiology Resident Educational Excellence provides unique opportunities for our trainees. Thank you!

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Anisha Banda, MD, Kara Fitzgerald, MD, Zhong Cui, MD, and Gabriel Li, MD, in attendance at the CIRSE 2023 Conference

“Thanks to funding through the **Rohrmann Endowment**, I was able to attend CIRSE 2023 in beautiful Copenhagen! There, I was fortunate to present my project on the technical feasibility and safety of performing central thoracic venous thrombectomy via small peripheral upper extremity venous access. In addition to learning about the latest in Interventional Radiology from experts from around the world, my co-residents and I got to experience as much of the wonderful culture of Copenhagen as we could in our short time there. It was an unforgettable experience, and I will always be grateful that I was able to attend.

– *John ‘JJ’ Weaver, MD, Integrated IR Resident*



Tyler Jackson, MD, Andrew Woerner, MD, MS (IR Chief Resident), and John “JJ” Weaver, MD, Integrated IR Residents

Stent versus Rib: Symptomatic Rib Fracture Associated with Axillosubclavian Venous Stent Placement

Andrew Woerner, MD, MS; David S. Shin, MD; Matthew Abad Santos, MD; Jeffrey Forris Beecham Chick, MD, MPH

BE BOUNDLESS

*This study was not supported by any funding. Jeffrey Forris Beecham Chick is a consultant and speaker for Inari Medical, Guerbet, C. R. Bard, and Argon Medical Devices.



“Thanks to the **Rohrmann Endowment**, I was able to travel to Copenhagen and present exhibits on thoracic central vein recanalization and a case report describing the first case of first rib fracture secondary to venous stent placement. Not only was I able to broaden my professional career through these accomplishments, this opportunity afforded me the chance to explore IR on the global field and network with people from around the world. I truly appreciated having the opportunity to travel to this conference and even explore the fantastic city of Copenhagen.”

– Andrew Woerner, MD, MS, IR Chief Resident

“The Cardiovascular and Interventional Radiological Society of Europe (CIRSE) is a non-profit, educational, and scientific association aiming to improve patient care by supporting teaching, science, research, and clinical practice in cardiovascular and interventional radiology.

CIRSE’s mission is to provide continuing education and training for its members, as well as other physicians and scientists with active personal involvement and interest in interventional radiology, and to promote the exchange of ideas and information for the further definition of the role, direction, and goals of cardiovascular and interventional radiology as a subspecialty of radiology. CIRSE aims to improve cardiovascular and interventional radiology’s ethical, technical, and material conditions to enhance patient care.

The most recent Annual Congress, which gathered thousands of attendees and hundreds of speakers from around the world, covered the entire spectrum of interventional radiology topics, from well-established therapies to the latest hot topics and the most recent data releases. The program featured a variety of session types, from focus sessions centering on the ins and outs of daily clinical practice to case-based discussions and video learning sessions providing excellent learning opportunities to round-table meetings homing in on the field’s most current issues.

CIRSE selected our project for the “Scientific Papers Sessions,” where researchers presented original papers on new and innovative aspects of cardiovascular and interventional radiology. Select articles gathered into sessions, each dealing with the same topic. After each presentation, researchers and attendees discussed the findings and their implications.

I attended this conference to help the Department of Radiology achieve its goals of promoting innovation by providing research opportunities to train and educate residents. Our program molds trainees to become practitioners at the forefront of discovery, teaching, and organizational leadership. Seeing how many residents were sponsored and allowed to share their research was encouraging. Action items included contributing to the conference by presenting our data, engaging with colleagues,

and bringing inspiration to continue investigating ways to improve patient care.



As a speaker, I gave a presentation addressing how procedures performed after hours and on weekends increased morbidity and mortality, especially at larger and busier practices. We discussed mitigating adverse events for interventional radiology-based

procedures after hours and on weekends by tackling personal and systems-based issues. In my session, I heard how other programs created models for IR-based clinical practices, admitting services, and inpatient management.

As a participant, I engaged with numerous students, trainees, and experts from around the world. During one of the workshops, I practiced a few endovascular techniques on a simulation device. One of the trainees I met from Germany told me how challenging it is to get consistent exposure in his program, and it reminded me of how supported we are to learn such a breadth of techniques and pathologies while training at UW. I also serendipitously ran into a couple of IR trainees from another U.S.-based radiology residency program I had previously worked with in initiatives meant to encourage those underrepresented in medicine. They attended my talk and cheered me on with my fellow co-residents!

Everything that came with this event motivates me to continue to support our department pursue advancing UW’s drive for innovation and global engagement – a proven benefit to any organization’s progress. I sincerely thank the **Rohrmann Endowment** for supporting my endeavors.”

– Adlai Grayson, MD, PGY-3

UW Radiology Educational Endowment Funds provide unique opportunities for our trainees

“I would like to express my gratitude and appreciation to the **Rohrmann Endowment** for the generous help funding my trip to London to present at the International Skeletal Society meeting. This was a great and unique meeting between radiology, pathology, orthopedics, and other MSK-related specialties. I had the opportunity to share some of my scholarly work, learn about cutting-edge advances in the field, and network with colleagues from around the world.”

– Zachary Miller, MD, PGY-4



Zach Miller at the MSK 2023 Global Musculoskeletal Societies Joint Meeting in London

All trainees who apply for funding from the Educational Endowments in the University of Washington Department of Radiology prepare a proposal for funding, which is reviewed by members of the Education Endowment Evaluation Advisory Committee. Zach's proposal to attend the International Skeletal Society meeting in London included these goals: “The International Skeletal Society conference is an ideal forum to share a previously undescribed aggressive bone lesion to a wide audience and represent UW on an international level. In addition to presenting my research, I'll be able to learn from other MSK researchers about cutting-edge advances. This conference will be an excellent networking opportunity for me. Furthermore, there are several educationally valuable sessions such as a rad-path-surgery day, and an MSK ultrasound course.”

Zach's presentation, “Aggressive intraosseous hemangioma of the proximal humeral epiphysis: a case report” described a rare case of pathology-proven long bone epiphyseal intraosseous hemangioma.

This case is notable for having aggressive features including intraarticular extension, which have not been previously described in the literature. The Evaluating Committee members agreed, “Attending this meeting is valuable to Dr. Miller's training and career development.”

“In August, funding provided by the **Rohrmann Endowment** facilitated my attendance of the 2023 University of Washington Emergency Radiology Course. The course was co-chaired by Jason Hartman, MD, and Jihoon Lim, MD, both of whom I have had the pleasure of working with and learning from throughout my residency.

The three-day course reviewed a wide range of topics within Emergency Radiology, including memorable lectures on spine trauma from Mark Bernstein, MD, Past President of the American Society of Emergency Radiology. I enjoyed socializing with UW faculty and meeting radiologists from across the country during the provided lunch and snack breaks. The course strengthened my Emergency Radiology medical knowledge, which I utilize frequently during call shifts at Harborview Medical Center. I'm grateful for the opportunity to attend this course and thankful to all of the donors who made it possible!”

– Elliot Breshears, MD, PGY-5

Elliot also presented an Educational Exhibit at RSNA 2023:

“Radiology Management at Your Fingertips: Incorporating Macropads Into the Radiology Workflow,” Elliot Breshears, MD, Alice Shieh, MD, Puneet Bhargava, MD, FAUR, FSAR, FACR

Incorporation of Macropads into Abdominal Imaging to Improve Radiologist Productivity and Efficiency

Elliot Breshears, MD - University of Washington
Alice Shieh, MD - University of Washington
Puneet Bhargava, MD, FAUR, FSAR, FACR - University of Washington



Funds generated by the Endowment are utilized to provide support for residents' out-of-pocket educational expenses, such as travel to conferences, books, and also provide support for resident education, research, and community service in the Department of Radiology. Thank you! <https://rad.washington.edu/donate/>

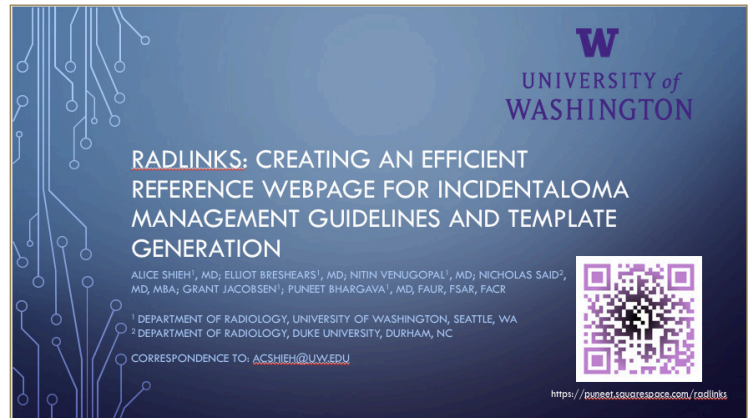
National meetings offer residents excellent training, with support from Educational funds

"A special thank you to the **Michael and Rebecca McGoodwin Endowment for Radiology Resident and Fellow Training and Education** fund for sponsoring my attendance at the 2023 RSNA annual meeting. This was my first time attending and it was amazing to see tens of thousands of others gathered to teach, learn, and collaborate within the field of radiology. There were more interesting sessions and talks than I could possibly attend. I walked away with many valuable insights and interactions with other radiologists. I definitely encourage other trainees to seek out the opportunity to attend future meetings!"

– Alice Shieh, MD, PGY4

Alice presented two Educational Exhibits at RSNA:

"#FOAMrad: A Personal Productivity Curriculum for Radiologists," Alice Shieh, MD, Nitin Venugopal, MD, Elliot Breshears, MD, Nicholas Said, MD, MBA, Grant Jacobsen, Puneet Bhargava, MD, FAUR, FSAR, FACR



"RadLinks: Creating an Efficient Reference Webpage for Incidentaloma Management Guidelines and Template Generation," Alice Shieh, MD, Elliot Breshears, MD, Nitin Venugopal, MD, Nicholas Said, MD, MBA, Grant Jacobsen, Puneet Bhargava, MD, FAUR, FSAR, FACR

"I had a wonderful time attending RSNA 2023, with funding provided by the **Department of Radiology Freeny Fund**. I was able to present the research our team has been working on for several years. This was an excellent opportunity to showcase our hard work and to also hear about other people's work in similar areas of interest. Outside of my presentation, I was able to attend several other events, which ranged from technical research presentations to presentations about networking and publishing research. Hearing from dozens of other researchers from around the world was incredibly inspiring. Returning from the conference, I feel inspired to continue to be curious about radiology and to make an impact in the field.



Natalie Wylie with her mentor, Carolyn Wang, MD, Professor

As I am starting medical school next fall, it was an invaluable experience to hear from professionals with long-established careers who shared their wisdom with me. I feel immense gratitude towards UW's **Freeny Fund** for allowing me the opportunity to attend RSNA. It not only greatly supported our research, but also supported me in my pursuit of a career in the field and has left me feeling motivated to continue to conduct research throughout my upcoming career as a physician."

– Natalie Wylie, pre-med student



Natalie was also able to attend the RSNA 2023 UW Radiology Alumni & Friends Reception at the Sheraton Grand Chicago Riverwalk

Pictured L to R: Natalie Wylie, George Wang, Carolyn Wang, Erik Soloff

Thank you for your support of UW Radiology's enriching programs!

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UW Radiology Faculty, Residents, and Alumni at RSNA 2023

UW Radiology was well represented at the RSNA 2023 annual meeting in Chicago. Over 25 presentations by UW Radiology faculty, trainees, and research fellows included scientific oral presentations, educational courses, scientific posters and educational exhibits as well as keynote speakers at science sessions and session moderators. Our department also brought home Cum Laude Awards, Certificates of Merit Awards, and Identified for Radiographics Awards.

The UW Radiology Alumni & Friends Reception was held on Tuesday, November 28th at the Sheraton Grand Chicago Riverwalk hotel, in the FountainView Room. As in previous years, this venue provided a wonderful opportunity for UW Radiology alumni to mingle with our faculty and trainees after attending sessions during the day at the convention center.

This year's event hosted 67 guests. Please visit the [Rohrmann Endowment website](#) where you can see a short video of photos from the reception.

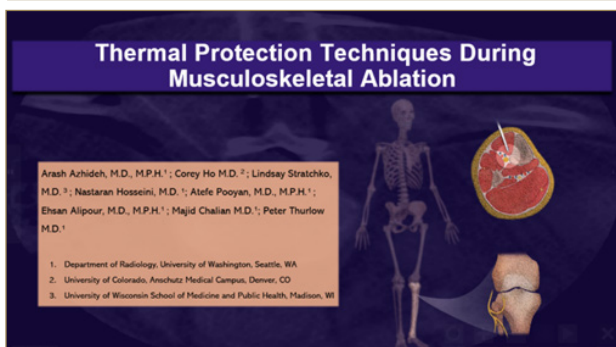
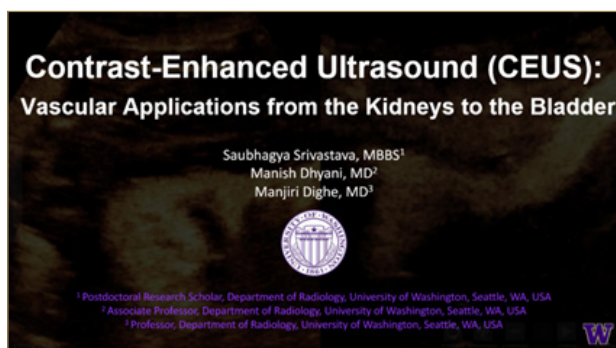
This annual reception is open to all UW Radiology alumni, and we hope you can plan to join us next year if you are attending the RSNA annual meeting in Chicago!



Cum Laude Awards



Certificate of Merit Awards



Imaging-based response criteria in oncologic clinical trials: What radiologists need to know.

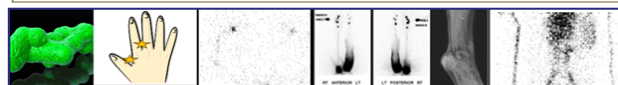
Label	Target
Left adrenal gland #1	
Change from Baseline	-31.7%
Change from Nadir	-31.7% (Baseline)
Change from prior	-31.7%
Response	Partial Response (PR)

Shannon Morrissey, Shuo Wang, Dana Meht, Emily Bossard, Elyse Pylarinos-Sinclair, Carolyn Wang, Guilherme Moura Cunha
OncoRad Imaging Tumor Metrics Core, Department of Radiology
University of Washington, Seattle, USA

oncorad



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Nuclear Medicine Lymphoscintigraphy: Established and Emerging Applications with Technical Overview

Megan Mercer MD, Jonathan Revels DO, Malak Itani MD,
Fateme Behnia MD, Lionel Zuckier MD, Lisa Blacklock MD, Kevin Banks MD,
Sherry S. Wang MBBS, Orpheus Kolokythas MD, Saeed Eloiemy MD/PhD.

