

R & R

RECOGNIZE &
REWARD

December / January 2025



Banner
University Medical Center
Tucson



THE UNIVERSITY OF ARIZONA
COLLEGE OF MEDICINE TUCSON
Medical Imaging



WELCOME Weimin Zhou, PhD

Weimin Zhou, PhD, is an Assistant Professor in the Department of Medical Imaging and the Wyant College of Optical Sciences at the University of Arizona.

Dr. Zhou joins us from Shanghai Jiao Tong University where he served as Assistant Professor in the Global Institute of Future Technology. Prior to that, Dr. Zhou was a Postdoctoral Scholar in the Department of Psychological & Brain Sciences at the University of California, Santa Barbara.

Dr. Zhou received his PhD degree in Electrical Engineering from Washington University in St. Louis where he worked as a Research Assistant in the Department of Biomedical Engineering. He also served as a Visiting Scholar in the Department of Bioengineering at the University of Illinois Urbana-Champaign. He brings broad expertise in image science, computational image formation, visual perception, and machine learning.

Dr. Zhou is the recipient of the SPIE Community Champion Award and the SPIE Medical Imaging Cum Laude Award.



WELCOME Alexandria Taysom, PA-C

Welcome **Lexi Taysom, PA-C**, to the Department of Medical Imaging! We are excited to have Lexi join the Interventional Radiology team.

With experience as a certified Physician Assistant in the Clinical Decision Unit at Tucson Medical Center-Integrative Emergency Services, Lexi brings valuable expertise and dedication to her new role. We look forward to the contributions she will make to our team and the patients we serve!

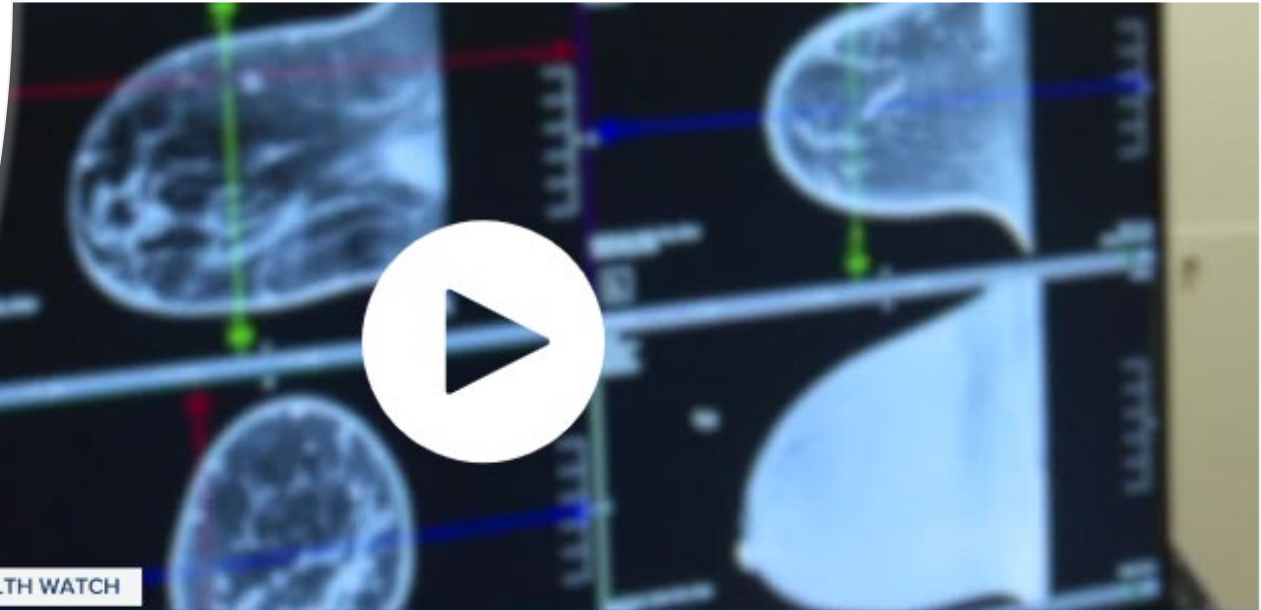
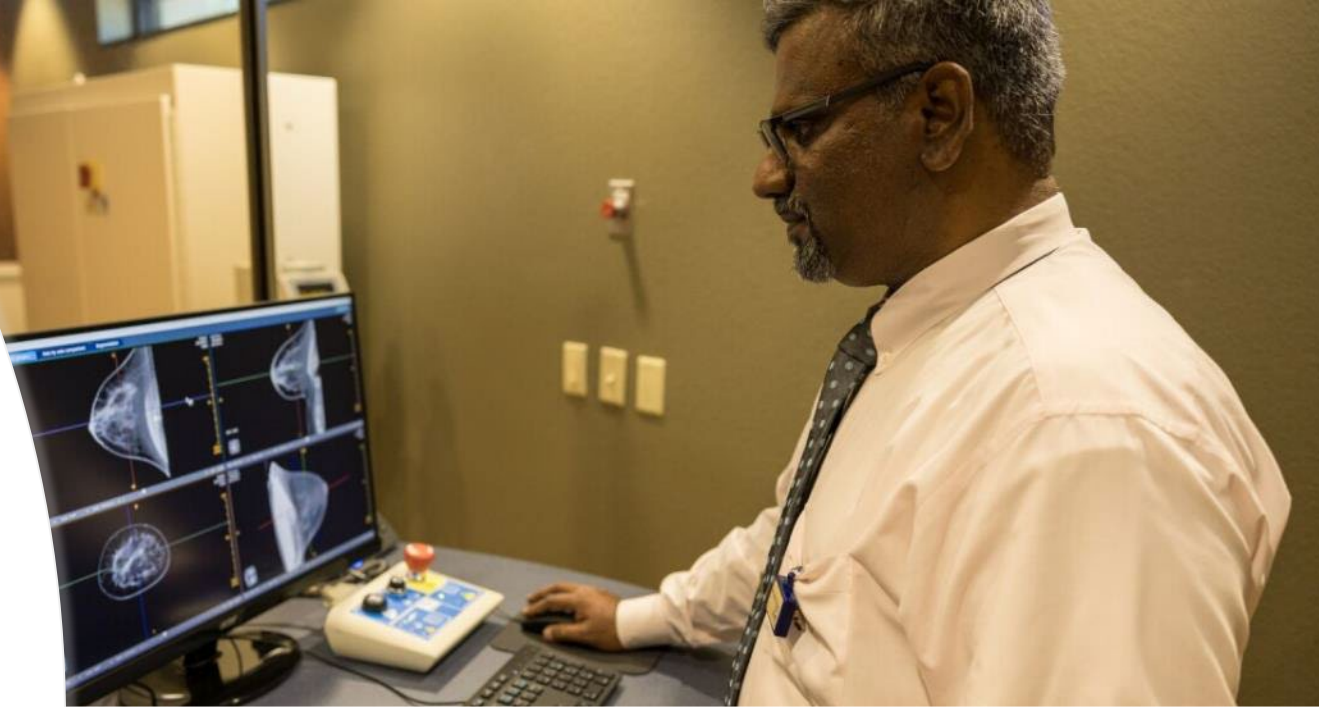


WELCOME Valarie Castillo

- ▶ We are pleased to welcome **Valarie Castillo** as our new Business Office Assistant. Joining us from Banner's Culinary and Nutrition Department, she will be working to oversee Qgenda and scheduling.
- ▶ As a native Tucsonan, Valarie has a deep appreciation for Arizona and loves spending time with her French Bulldog named Smokey.
- ▶ Find Valarie in the administrative offices AHSC room 0501. She can be reached at Valarie.Castillo2@bannerhealth.com and (520) 626 – 7153.

KGUN-9 TUCSON NEWS FEATURE

- ▶ Srinivasan Vedantham, PhD, was interviewed by KGUN-9 Tucson News reporter José Zozaya for a special feature related to Breast Cancer.
- ▶ In the news item, [Breast Early Detection: New grant will help U of A Health Sciences fine-tune latest tool for screening breast cancer](#), Dr. Vedantham discusses the prototype CT scanner being tested in new round of cutting-edge research.



KGUN 9 | HEALTH WATCH

NEW CUTTING-EDGE CANCER SCREENING TOOL
U OF A RESEARCHERS USING FEDERAL GRANT TO SCREEN FOR BREAST CANCER

5:08
46°



CONGRATULATIONS



Dec. 7, 2024

Thomas Larsen, MD/PhD candidate from the Biomedical Imaging Innovation / Clinical Translation in Next-Gen CT lab was awarded the **Outstanding BME Graduate student** by the College of Engineering, University of Arizona.

Larsen is pictured standing alongside Srinivasan Vedantham, PhD.

See the release from the College of Engineering, [here](#).

PUBLICATION

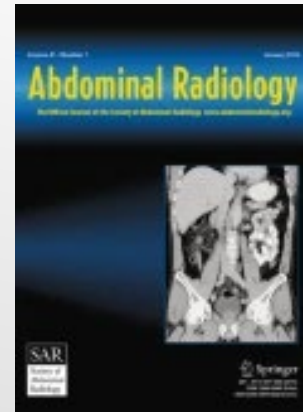
- ▶ Biliary complications of surgical procedures: what the radiologist needs to know

Rashmi T. Nair, Alex Chan, Matthew A. Morgan, Malak Itani, Dhakshinamoorthy Ganeshan, **Hina Arif-Tiwari**, Elias El-Haddad, Asmi Sabujan & Adrian A. Dawkins

Abdom Radiol (NY)

2024 Dec 30.

<https://doi.org/10.1016/j.ejrad.2024.111784>



Hina Arif-Tiwari, MD, FSAR

PUBLICATION

- Understanding the risk of ionizing radiation in breast imaging: Concepts and quantities, clinical importance, and future directions

Di Maria S, van Nijnatten TJA, Jeukens CRLPN, **Vedantham S**, Dietzel M, Vaz P

Eur J Radiol. 2024 Dec; 181:111784.

PMID: 39423780

<https://doi.org/10.1016/j.ejrad.2024.111784>



Srinivasan Vedantham, PhD,
DABR, FAAPM

PUBLICATION

- ▶ Improving Clinical Decisions in IR: Interpretable Machine Learning Models for Predicting Ascites Improvement after Transjugular Intrahepatic Portosystemic Shunt Procedures

Okan İnce MD, Hakan Önder MD, Mehmet Gençtürk MD, Jafar Golzarian MD, **Shamar Young MD**

J Vasc Interv Radiol. Volume 36, Issue 1, P99-105.E1, January 2025 <https://doi.org/10.1016/j.jvir.2024.09.022>



Shamar Young, MD

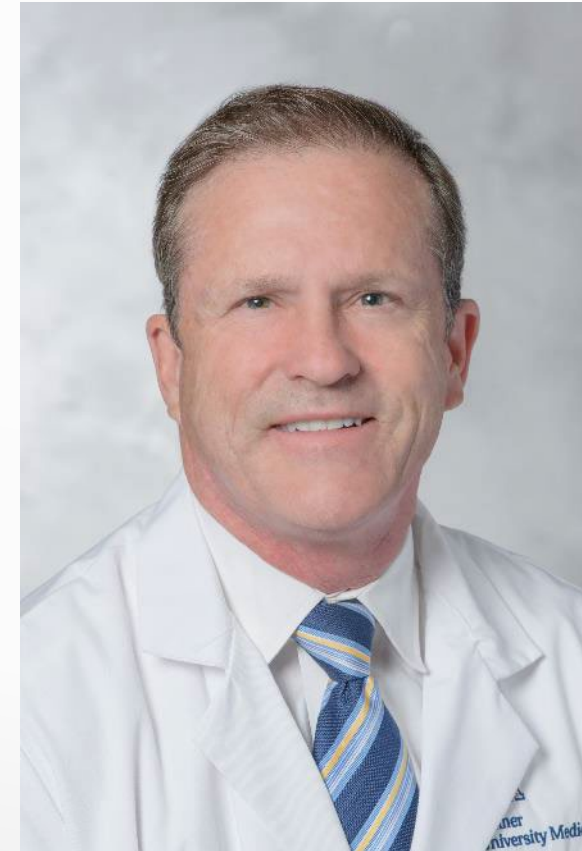
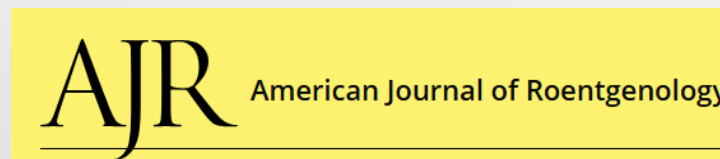
PUBLICATION

- ▶ Editorial Comment: U.S. Radiologist Workforce Challenges and Opportunities

Drosten, R

AJR 2024 Dec 26 [published online]. Accepted manuscript.

<https://doi.org/10.2214/AJR.24.32535>



Ralph Drosten, MD

PUBLICATION

Pulmonary Vascular: Original Research

- ▶ Post-Pulmonary Embolism Phenotypes Described by Invasive Cardiopulmonary Exercise Testing

Michael Insel, Tammer El Aini, **Gregory Woodhead MD, PhD**, Rebecca Wig MD, Saad Kubba MD, Guido Claessen MD, Erin Howden PhD, Franz Rischard

CHEST. 2024 Aug 19; 15(4):2006–2010.

DOI: [10.1016/j.chest.2024.08.040](https://doi.org/10.1016/j.chest.2024.08.040)



Gregory Woodhead, MD, PhD



PUBLICATION

Editorial

- ▶ Another hammer, but we need a wrench, and a screwdriver—positron emission tomography/magnetic resonance imaging represents another tool for post-delivery 90Y dosimetry, but what are we still missing?

Greg Woodhead, MD, PhD, and Shamar Young MD

J Gastrointest Oncol. 2024 Aug 19; 15(4):2006–2010.

[doi: 10.21037/jgo-24-460](https://doi.org/10.21037/jgo-24-460)



Gregory Woodhead, MD, PhD,
and Shamar Young, MD



PRESENTATION

- ▶ Putting it in perspective: AI triage streamlining screening mammogram turnaround time (TAT) amid staff shortages.

Vijayaraghavan GR, **Vedantham S**, Shazeeb MS, and Celik H.

Abstract # S2-SSBR01-5, 2024 Annual Meeting of the Radiological Society of North America (RSNA 2024), Chicago, IL.

<https://reg.meeting.rsna.org/flow/rsna/rsna24/MeetingCentralRSNA24/page/session-catalog/session/1718404013563001B5GC>



Srinivasan Vedantham, PhD,
DABR, FAAPM

Banner Announces New State-of-the-Art PET/CT Scanner



Banner – University Medical Center South Introduces Cutting-edge PET/CT Scanner for Disease Diagnosis and Monitoring

Banner – University Medical Center South is proud to announce the availability of PET/CT scans using the state-of-the-art new scanner, which offers unparalleled accuracy, convenience and dependability.

Why PET/CT?

- Positron emission tomography (PET) scans are often used in the diagnosis and treatment of cancer. Radiopharmaceutical tracers injected as part of the PET/CT procedure are used to detect cellular changes in tissues before they are visible using other modalities such as magnetic resonance imaging (MRI) or computed tomography (CT).
- PET/CT images are beneficial because they combine two imaging techniques to provide more accurate diagnoses.
- The new all-digital PET/CT scanner uses a new digital detector to improve both image quality and sensitivity. It is the latest diagnostic imaging technology available for precise, non-invasive scanning of the body and brain.
- The scanner's large field of view results in shorter exam time while providing supreme sensitivity to evaluate diseases.

**Nuclear Medicine and
Theranostics Clinic at Banner -
University Medical Center South**
2800 E. Ajo Way
Tucson, AZ 85713

More Information:
520.694.7410



Key Benefits

- High-resolution digital detector offers the highest sensitivity per centimeter
- Quick and accurate diagnosis or monitoring of most cancers using fluorodeoxyglucose (FDG).
- Unique tracers can evaluate specific diseases:
 - Prostate cancer with PSMA and Fluciclovine
 - Breast cancer with FES
 - Neuroendocrine cancer with DOTA-TATE
 - Alzheimer's disease with Amyloid scan
- Non-invasive precision imaging aids in personalized treatment planning.
- Improved operational efficiency and patient comfort provided in a state-of-the-art scanning system.

Appointments Now Available in Tucson

To provide the latest technology to patients in southern Arizona faster, Banner acquired a state-of-the-art new PET/CT scanner and installed it in a new mobile unit at Banner – University Medical Center South, allowing for immediate patient access. It is the only imaging center in Tucson that provides this cutting-edge technology and service.

Why Choose Us?

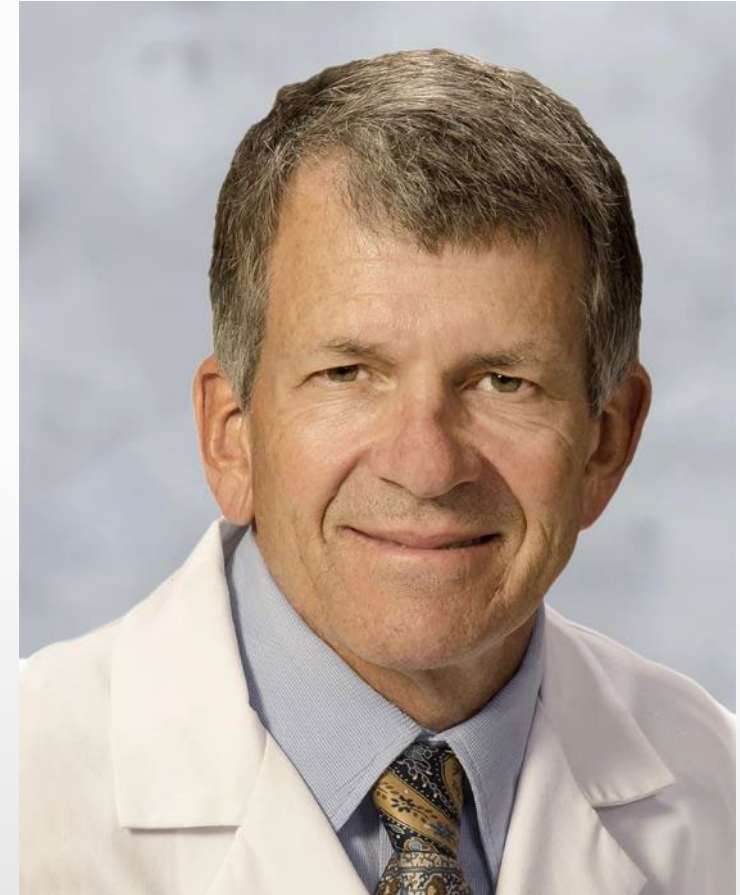
- **Renowned Referral Center**
 - Providers have come to expect the best clinical information and patient care from Banner – University Medicine. We continue to work hard to stay on top of the advancements in the field, making the best diagnostic imaging available to our patients.
 - **Expert Team:** Our multidisciplinary care team consists of board-certified physicians specializing in nuclear medicine and theranostics, hematology oncology, endocrinology, interventional radiology, radiation oncology, surgery; certified nuclear medicine technologists, nurses, nurse practitioners; a radiation safety team; and medical physicists.
 - Our nuclear medicine and theranostics center is officially designated as an SNMMI Comprehensive Radiopharmaceutical Therapy Center of Excellence. The Theranostic Center at Banner – University Medical Center Tucson is the first facility in Arizona to receive this prestigious designation.
 - Our mission is "Excellence in Patient Care and Precision Medicine."



To schedule an appointment call 520.694.7410

CONGRATULATIONS

Evan Unger, MD, FACR, Professor Emeritus
received the 2024
Harry Fischer Award for Contrast Media Research
in Oslo, Norway
Learn more in the [press release](#).



RECOGNITION



Tyson Chadaz, MD, was recently recognized via the Banner Health MVP online recognition system for demonstrating an exceptional level of “BH – Disciplined Focus.”

[Dr. Chadaz](#) is applauded for his commitment which has made a significant impact on the residents, fostering a strong foundation in radiology. The colleague notes that his work positively impacts the next generation of radiologists.

Dr. Chadaz’s ongoing dedication is instrumental in elevating both the residency program and the overall standard of care provided to patients at [Banner University Medical Center](#).



Tyson Chadaz, MD
Musculoskeletal Radiology

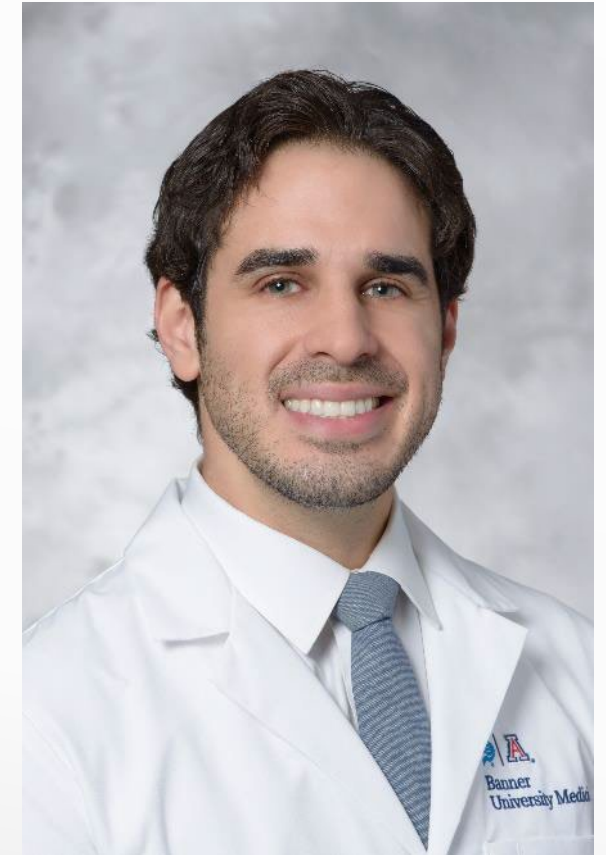
RECOGNITION



Jack Hannallah, MD, was recently praised by a colleague via the Banner Health MVP online recognition for clinical excellence characterized as “BH – CONTINUOUSLY EARNING TRUST.”

[Dr. Hannallah](#) is described as highly regarded for his exceptional commitment to supporting our patients throughout their journey with us. His dedication to their care and well-being was highlighted in a recent patient experience survey. One patient shared, "Dr. Hannallah excels at discussing options, listening to input, and helping to find a realistic, practical solution—whether it's surgery or physical therapy. Without a doubt, I will recommend him and would gladly see him again if needed."

Dr. Hannallah is commended for positively impacting the quality of care provided at [Banner University Medical Center](#).



Jack Hannallah, MD, MPH, MBA
Interventional Radiology

RECOGNITION



Brian Lightwine, DO, received praise from a colleague via the Banner Health MVP online recognition system using the categorization, “SQL COLLABORATIVE.”

[Dr. Lightwine](#) is appreciated for his work in the [fetal program](#). The colleague described that his positive energy and collaborative spirit create an environment where everyone feels valued and motivated to contribute their best. Dr. Lightwine’s efforts are described as, “going far beyond just professional excellence—they reflect a genuine desire to make a lasting impact on both his colleagues and the patients we care for.”

Dr. Lightwine is making a difference in the lives of the youngest patients at [Banner University Medical Center](#).



Brian Lightwine, DO
Pediatric Radiology

RECOGNITION



Greg Woodhead, MD, PhD, was recently recognized with a Banner Health MVP online recognition categorized as “BH Customer Obsessed.”

[Dr. Woodhead](#) was recently praised by a patient for providing an outstanding patient experience. The patient specifically highlighted his exceptional clinical skills, along with his excellent bedside manner. In addition to being impressed by Dr. Woodhead’s vast knowledge, the patient also expressed appreciation for the outstanding care provided by the entire Banner staff.

Congratulations Dr. Woodhead, for continually making a difference in the lives of patients at [Banner University Medical Center](#).



Gregory Woodhead, MD, PhD
Interventional Radiology



Diagnostic and Interventional Radiology Residency Programs

THE UNIVERSITY OF ARIZONA



Tyson Chadaz, MD
Associate Program
Director
DR Residency

Christopher Miller, MD
Associate Program
Director
DR Residency

Dorothy Gilbertson, MD
Vice Chair of Education
Program Director
DR Residency

Greg Woodhead, MD
Program Director
IR Residencies - Integrated
and Independent

Jack Hannallah, MD
Associate Program
Director
IR Residencies - Integrated
and Independent

Lucas Struycken, MD
Associate Program
Director
IR Residencies - Integrated
and Independent

Congratulations on another successful residency recruiting season!

Medical Imaging received 849 applications
and conducted 130 interviews.

Kudos to the Diagnostic Radiology and
Interventional Radiology teams, and to
everyone involved in the 2024-2025
interview process!



COMING
UP

GRAND ROUNDS

Maximizing the Impact of Photon-Counting CT in MSK Radiology



FRANCIS BAFFOUR, MD

Associate Professor
Musculoskeletal Radiology
Mayo Clinic, Rochester

- Wednesday, Feb. 5
 - 12 - 1 pm
 - COM-T 2117



THE UNIVERSITY OF ARIZONA
COLLEGE OF MEDICINE TUCSON

Medical Imaging

SPOTLIGHT ON RESIDENT PROFESSIONALISM

Medical students from the University of North Dakota recently shared their experiences across various rotations, highlighting outstanding professionalism. The University of Arizona and Banner University Medical Center Medical Imaging team received particularly high praise, with one student remarking, "**All of the residents were excellent all of the time.**"

The student gave special recognition to the Chest Imaging team, stating, "**An extra shout-out to the residents on Chest—Martin, Salil, and Cheyenne—who went the extra mile to make me feel comfortable and welcome during my first week in Arizona.**"

Their kindness and support left a lasting positive impression, reflecting the department's commitment to both education and collegiality.



Congratulations to Residents **Martin Dufwenberg**, **Salil Kalarn**, and **Cheyenne Moffitt** for providing outstanding support and kindness to visiting medical students while on rotation.



LUNAR HOLIDAY CELEBRATION

- ▶ First Year DR Resident **April Ngoy** spearheaded a Lunar New Year lunch event on Jan. 29th at Noon.
- ▶ Faculty, Residents and Fellows enjoyed lunch from Miss Saigon.
- ▶ Special thanks to: Drs. Arif, Bozdogan, Chadaz, Gilbertson, Lee, Lowe, Lubinski, Miller, Mohammed, Ozgur, Rosado de Christenson, Savir, Sulaiman, Thompson, Truong, Udayasankar, Warhadpande & Yaddanapudi!





Radiology Interest Group

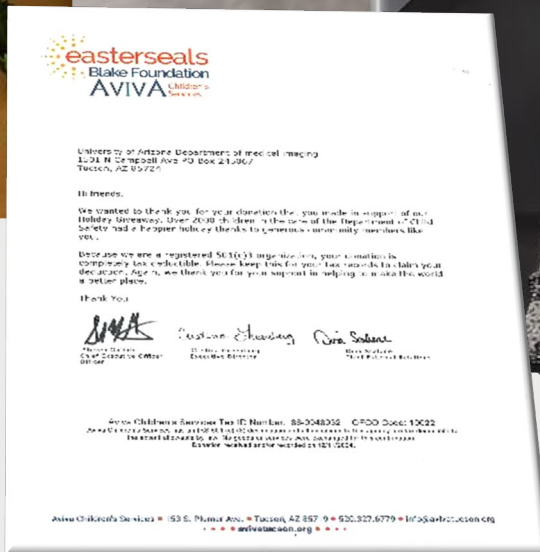
Jan. 24

Medical Imaging hosted a group of University of Arizona College of Medicine – Tucson Medical Students during a recent Radiology interest group meeting. Participants enjoyed learning more about our programs over dinner at ZIN Burger. Special thanks to 1st Year DR Resident Damon Motamedi and all the Residents that made this event possible.

Successful 2024 Holiday Toy Drive



AVIVA thanked Medical Imaging for our online and in person contributions benefitting local teens in foster care.





END OF YEAR CELEBRATIONS 2024





END OF YEAR CELEBRATIONS
2024



END OF YEAR CELEBRATIONS
2024



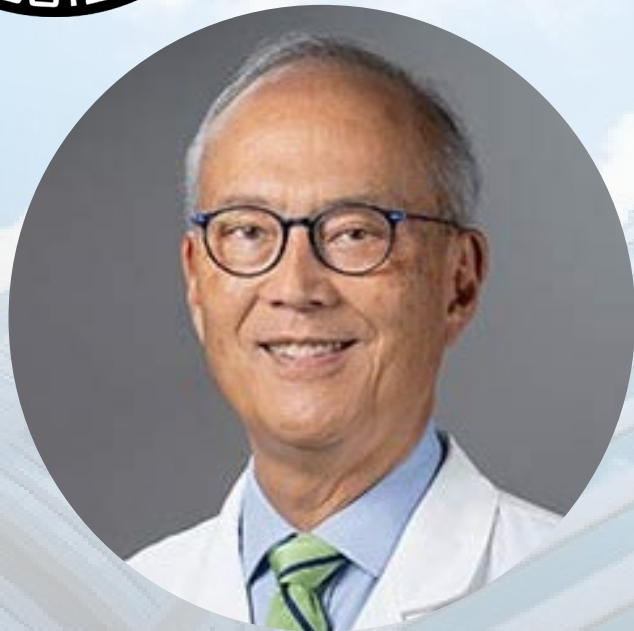
Construction Updates

Construction is proceeding in the new space!
Office walls are being framed, and electrical work is underway with accompanying duct work to begin shortly.

Fall 2025 is still the anticipated occupancy date.



TAKING THE LEAD PODCAST




Alan Matsumoto, MD

Join host Geoffrey Rubin, MD, MBA, FACR, as he talks with Alan H. Matsumoto, MD, MA, FACR, FSIR, FAHA.

A distinguished interventional radiologist, Dr. Matsumoto is the former Chair of the Department of Radiology at the University of Virginia and currently serves as Chair of the American College of Radiology (ACR) Board of Chancellors.

Find the podcast episode 67, [*A Servant Leader*](#)



 @geoffrubin

Geoffrey Rubin, MD,
MBA, FACR
Chair and Professor,
Medical Imaging