Congratulations to Bital Savir-Baruch, MD, FACNM, who has been promoted to Professor of Medical Imaging.

Chief of the Nuclear Medicine Division, Dr. Savir-Baruch focuses on the diagnosis and management of prostate, thyroid, and neuroendocrine cancers.

Since joining Medical Imaging, she has worked to successfully establish the Theranostics Clinic and was instrumental in obtaining the highest honor awarded to treatment centers: Comprehensive Radiopharmaceutical Therapy Center of Excellence.
Sam Rogers and Aubrey Frazzitta presented 3 oral national podium presentations and 1 educational exhibit at the Annual Meeting of the American Society of Neuroradiology (ASNR).

- **Aubrey, Conner Reynolds, and Sam Rogers**, “Brainstem” educational exhibit (*The Brainstem Stroke Atlas: What Every Neuroradiologist Needs to Master the Anatomy and Expertly Diagnose Brainstem Stroke Syndromes*) was selected for oral podium presentation and invited to submit for publication in Neurographics.

- **Mark Greenhill, Aubrey Frazzitta, Unni Udayasankar** and **Sam Rogers** educational exhibit, *Craniosynostosis: A Pictorial Review. American Society of Neuroradiology*, was invited for submission for publication in Neurographics.
Pudendal Nerve Cryoneurolysis – is a new treatment for pain management involving cryoablation that is being pioneered by Interventional Radiology (IR)

Through participation in weekly tumor board meetings, the IR Division has received referrals to treat patients with large pelvic tumors

To date, IR has performed ten procedures with great success; patients report experiencing almost immediate relief from persistent and debilitating pain

IR is working with UArizona’s Research Innovation & Impact Institutional Review Board (IRB) to begin a Prospective Trial
NEW ARRIVAL

Beautiful baby girl Maya arrived this month, healthy and happy.

Many congratulations to the Sadovnikov family!

4th Year Resident and Proud Parent, Irina Sadovnikov, MD
Nilu Dorschner, MLS, C-TAGME, Manager IR Residencies and Fellowships, retired from the UArizona Department of Medical Imaging on May 3rd.

We are grateful for her many contributions and wish her all the best!
Kevin Matsunaga joins us as a part-time Administrative Support Assistant.

Kevin brings a wealth of experience in graphic design, having earned his BFA in Visual Communication (Illustration Emphasis) at the University of Arizona.

Please join us in welcoming Kevin to the team. Find him in HISB room 32 on Mondays and Wednesdays.
CONGRATS, GRAD!

Congratulations to our very favorite 2023 University of Arizona graduate, Lonn’tiay (Tae) Williams.

We miss you already and wish you all the best in Graduate School, Law School and beyond!
Thank you 🙏 to Celia Valenzuela, MD, Interim Vice Dean, Diversity, Equity and Inclusion for her tailored-for-Radiology DEI lecture, “Mending Health Inequities Through Culturally Humble Care.”
Thank you and kudos to DR Residents Stefano Natali and Dallin Christensen for their presentation, “The ‘Pan-Scan’ of Border Trauma.”

See the presentation on Panopto* (*access with UA NetID and Password)
MR Virtual Biopsy of Solid Renal Masses: An Algorithmic Approach
Stephane Chartier and Hina Arif-Tiwari

Cancers 2023, 15(10), 2799;
https://doi.org/10.3390/cancers15102799

Figure 4. Clear cell renal cell carcinoma. (A) Single-shot T2-weighted image demonstrating high signal intensity of a clear cell renal cell carcinoma (ccRCC, arrowheads) in the anterior cortex of right kidney. (B) T1 weighted-image (T1WI), in-phase GRE image. (C) T1 out-of-phase GRE image shows signal "drop-out" secondary to microscopic/cytoplasmic intralesional lipid content. (D) T1-weighted pre-gadolinium enhanced fat-suppressed three-dimensional gradient-echo (T1WI FS 3D GRE) image. (E) T1WI post-gadolinium FS 3D GRE, arterial phase image. (F) T1WI post-gadolinium FS 3D GRE, delayed phase image. Note the increased arterial enhancement of the tumor as compared to delayed phase image. (G,H) Note the tumor thrombus in the right renal vein showing similar hypervascularity in arterial phase and relative washout in delayed phase images (arrowheads).
Thermal and Acoustic Stabilization Of Volatile Phase-Change Contrast Agents Via Layer-By-Layer Assembly
Pedro Enrique Alcaraz a b d, Skylar J. Davidson b, Evan Shreeve b, Rainee Meuschke b, Marek Romanowski b c, Russell S. Witte b c d, Thomas R. Porter e, Terry O. Matsunaga b d

*Ultrasound in Medicine & Biology*, Volume 49, Issue 5, May 2023

Figure 2. Schematic of the US imaging system. A phantom chamber is coupled to the Vantage64 LE imaging system via the L11-4 transducer. The transducer is driven/controlled via commercially available software (Verasonics) executed in MATLAB. Raw pulse echo data is processed via an image processing routine to count particles and remove back-scatter/reflections.
**Acoustic Detection of Retained Perfluoropropane Droplets Within the Developing Myocardial Infarct Zone**

Ping Zeng *, Cheng Chen †, John Lof †, Elizabeth Stolze †, Shouqiang Li † ‡, Xucai Chen †, John Pacella †, Flordeliza S. Villanueva †, Terry Matsunaga † ‡ ||, E. Carr Everbach ‡, Hongwen Fei *, Feng Xie †, Thomas Porter †

*Ultrasound in Medicine & Biology*, Volume 48, Issue 11, November 2022

https://doi.org/10.1016/j.ultrasmedbio.2022.07.005

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**Fig. 6.** Fluorescence stains for DAPI and DiI, and the subsequent confocal image in a rat who was sacrificed 3 min post-intravenous injection. Note the concentration of DiI fluorescence in the anterior and anterolateral wall (A, arrows). This corresponded to the developing scar zone on TTC staining (B). (C, D) Confocal image in another rat (C) revealing the increased DiI staining in the anteroseptal segments corresponding to the infarct on TTC staining postmortem (D). (E) Spearman correlation analysis between fluorescence-enhanced area at 3 min (n = 5 rats) post-injection and TTC infarct size (r = 0.90, p = 0.037). No preferential fluorescence-enhanced region within the DSZ was observed when the same dose of DiI was given in saline. DAPI = 4′,6-diamidino-2-phenylindole; DiI = 1,1′-dioctadecyl-3,3,3′,3′-tetramethylindocarbocyanine perchlorate; DSC = developing scar zone; TTC = triphenyl tetrazolium chloride.
Aubrey Frazzitta was invited for an interview with RSNA news resulting in two articles on female representation in radiology. First appearing online in April and May, these articles will also be shared in the June print issue.

- Too Few Women in the Field of Radiology
- Solutions to Increase Women's Representation At All Levels of Radiology
Moral distress may cause burnout. Abdul Khan, MD, discusses a recently published AJR article in which investigators evaluate the prevalence of moral distress and evaluate for causes of moral distress as well as potential solutions for moral distress.

Find the podcast [here](#).
SHAMAR YOUNG, MD

- **Innovation Speaker:** “Good Circulation: a Review of Peripheral immune Cells,” 5/19/23
- **Education Speaker:** “RF Ablation for Benign Thyroid Nodules,” 5/18/23
- **Abstracts Session VII:** Best Scientific Abstracts & Awards – Moderator, 5/19/23
- **Masterclass** – Panelist, 5/19/23
- **Innovation** – Research I – Moderator, 5/18/23
- **Innovation** – Research II – Moderator, 5/19/23
- **Education** - Session V: Thyroid Interventions Moderator, 5/18/23
- **Masterclass Demonstrator** - Session XVII: Ablation, 5/19/23

GREGORY WOODHEAD, MD, PhD

- **Innovation Speaker:** “Ablation and Immunotherapy, a Match Made in Heaven?” 5/19/23
- **Innovation** – Panelist, 5/19/23
- **Abstracts Session VIII:** Moderator, 5/20/23
Residents participating at GEST 2023: David McNiel, Art Abramyan, Chris Brunson, Michael Lee, Salil Kalarn and Miles Seidel

- Long Term Outcomes and Safety of Cryoablation in the Liver – Artyom Abramyan, DO
- “A retrospective analysis of the tumor to normal ratio in NASH/NAFLD-induced HCC” and “Oncologic outcomes in patients with NASH/NAFLD-induced HCC: a retrospective comparative analysis” – Christopher Brunson, MD
- “T1b Renal Cell Carcinoma: is Cryoablation a Viable Option?” – Michael Lee, MD
- “Transcatheter Gene Delivery: Towards Novel Imaging and Treatment Strategies” – David McNiel, MD, PhD
- “Metastatic Sarcoma Treated with Transarterial Radioembolization: Dosing Thresholds and Clinical Outcomes” – Miles Seidel, MD
We are pleased to announce the 2023-2024 recipient of our visiting medical school student scholarship: **Gloria Jang**

Gloria is a rising fourth-year medical student at Lincoln Memorial University-DeBusk College of Osteopathic Medicine in Knoxville, Tennessee. She grew up in Toronto, Canada, and Northern Virginia and received her bachelor’s degree in biology at John Brown University in Siloam Springs, Arkansas. After college, she worked as an ophthalmic technician and scribe, optometric technician, and ESL tutor in Northern Virginia. She is applying for a diagnostic radiology residency in the fall.

Congratulations, Gloria!
Where do you call home?
I was born in Montreal, Canada but grew up in Phoenix, AZ

What inspired you to become a Radiologist?
Radiology is a true amalgamation of art and science. Because of technological advances in medical imaging, Radiologists hold a unique role as universal diagnostic consultants for all other medical specialties. The different imaging modalities we have at our disposal are not only essential for diagnostic accuracy, allowing us to help our clinician colleagues solve a myriad of medical puzzles, but are also beautiful, whether it’s the rainbow of colors in a Nuclear Medicine study, the exquisite detail of an MRI, or a perfectly timed angiographic study, impeccably detailing vascular anatomy.

What is on the horizon after graduation?
Breast Imaging Fellowship at The University of Arizona

Share three fun facts about yourself
1. I love to bake (and eat) cookies. To date, I have probably baked upwards of 5,000 cookies.
2. My puppy is the love of my life. He is a black and white Sheepadoodle named Bo, after the great Humphrey Bogart.
3. I make costume pieces and armor out of craft foam.
RESIDENT SPOTLIGHT

Danh Truong

Where do you call home?
Oklahoma City

What inspired you to become a Radiologist?
I was drawn to the visual workflow in radiology.

What is on the horizon after graduation?
Body Fellowship at The University of Arizona

Share three fun facts about yourself
1. I have a vintage camera lens that is radioactive.
2. I have visited 40 of the 50 states.
3. My name is pronounced more like "Zane" or "Yane", depending on the Vietnamese accent being used.
Congratulations! The EPICS with Autism Program has launched two new internships this year. Raytheon Technologies and Texas Instruments have signed on to mentor students with a focus in mechanical, systems, computer, and electrical engineering.
Professor Emeritus Wayne Kubal presented four lectures at the American College of Radiology Education Center in Reston, Virginia:

- Traumatic Brain Injury | May 1
- Stroke | May 2
- C-Spine Trauma | May 2
- Head and Neck Infections | May 3
SOCIAL

We want to follow you!
Message us: UAZMedImaging, UofAZRads or UofAZRads
May 16: members of the administrative staff enjoyed a lunch and bowling teambuilding event.

During her trip to ASNR this month, Aubrey Frazzitta (right) caught up with Shahad Al Bayati, University of Arizona, COM-T Diagnostic Radiology Residency Alum.