



The University of Arizona  
**APIDA**  
HERITAGE  
*Month*

# R&R

## RECOGNIZE & REWARD

# May 2024



Banner  
University Medical Center  
Tucson



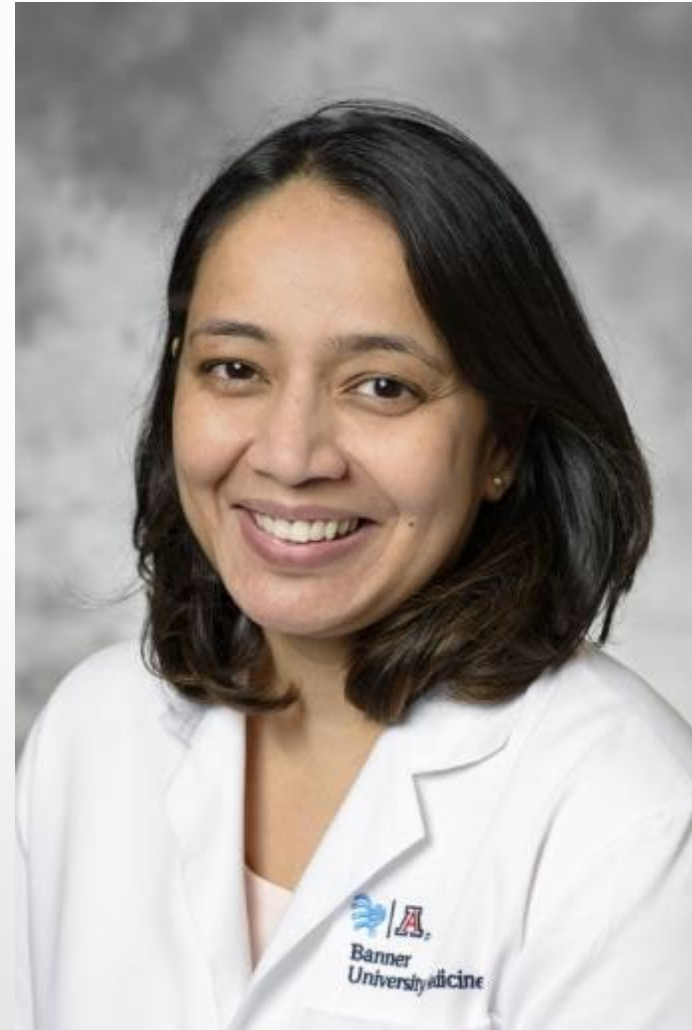
THE UNIVERSITY OF ARIZONA  
COLLEGE OF MEDICINE TUCSON  
**Medical Imaging**

# PROMOTION

Congratulations to [Kavitha Yaddanapudi, MD](#),  
who received a promotion to  
**Professor** of Medical Imaging.

Dr. Yaddanapudi serves as Chief of the  
Cardiothoracic Imaging Division. She has  
worked with her team to greatly increase the  
volumes of CT and Cardiac MRI studies, and  
continually strives to expand and improve the  
services provided by the Cardiac Imaging group.

Her dedication to patient care and the  
education of residents, fellows, and medical  
students is exemplary.



# PROMOTION

Congratulations to [Shamar Young, MD](#),  
who has been promoted to  
**Professor** of Medical Imaging.

Dr. Young serves as Chief of the Interventional Radiology (IR) Division. He has worked to attract numerous clinical trials, established UArizona as one of ten Society of Interventional Radiology (SIR) host sites for the SIR-sponsored summer medical student internship program and has worked to expand the quantity and variety of IR procedures offered to improve patient care.

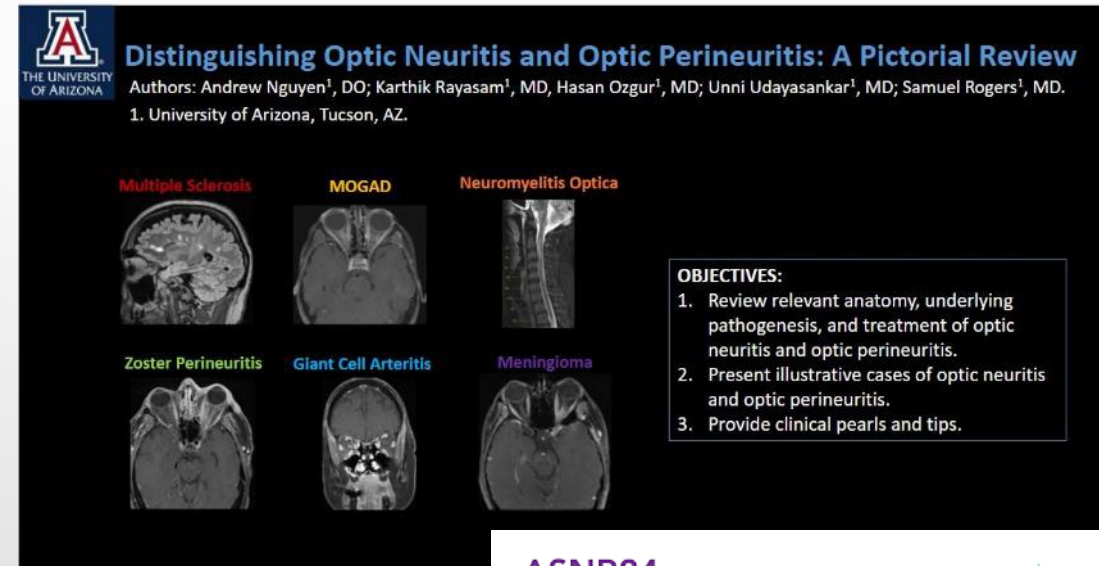
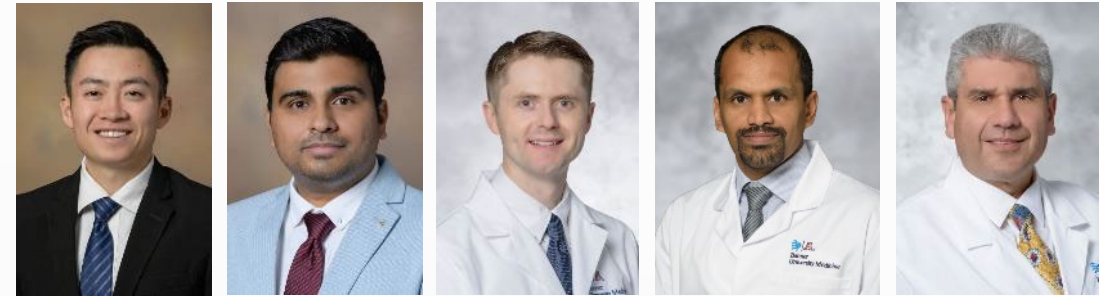


# CONGRATULATIONS

1st Year Diagnostic Radiology Resident **Andrew Nguyen, DO** and Neuroradiology Fellow **Karthik Rayasam, MBBS**, working under the guidance of [Sam Rogers, MD](#), [Unni Udayasankar, MD](#) and [Hasan Ozgur, MD](#), were awarded a **Certificate of Merit** for a recently submitted scientific abstract.

**“Distinguishing Optic Neuritis and Optic Perineuritis: A Pictorial Review”** was submitted as an educational presentation to the [American Society of Neuroradiology \(ASNR\) Annual Meeting 2024](#).

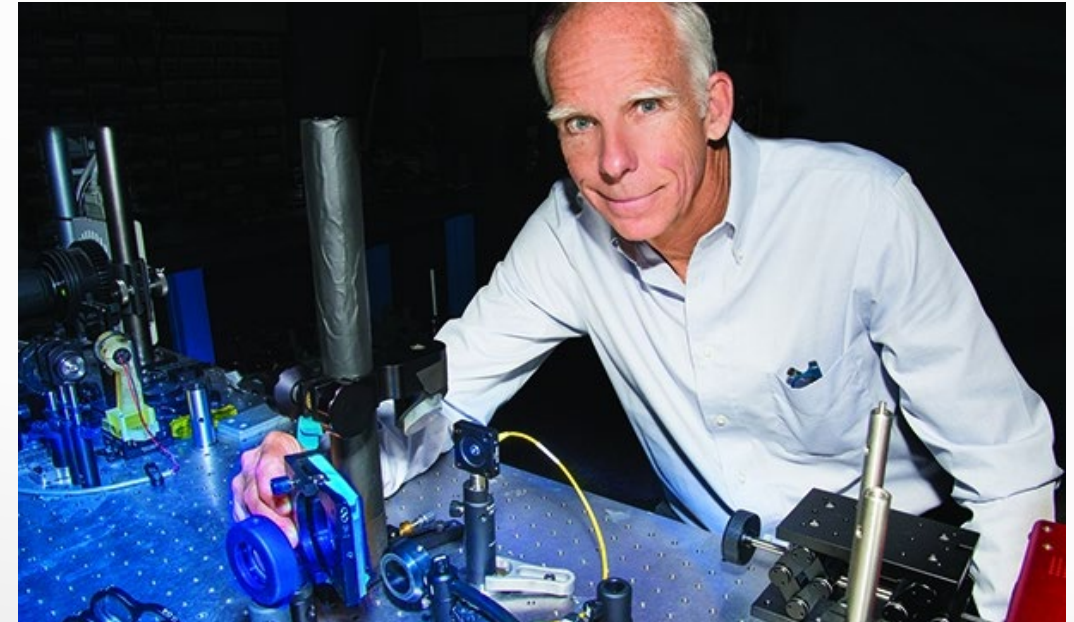
The authors have also been invited to submit for publication in *Neurographics*, the peer-reviewed, quarterly educational journal of the [American Society of Neuroradiology](#).





# RETIREMENT

- ▶ **Arthur Gmitro, PhD**, Professor of Biomedical Engineering, Medical Imaging and Optical Sciences, announced his retirement from the University of Arizona after 37 years of service.
- ▶ Dr. Gmitro's major contributions involve research work in technology development for CT, MRI, and optical imaging. He utilized these technologies in clinical and research applications including neurological imaging, body imaging, and cancer.
- ▶ A retirement celebration was held for Dr. Gmitro on May 11 at Rose Canyon on Mt. Lemmon.
- ▶ *Congratulations, Dr. Gmitro!*

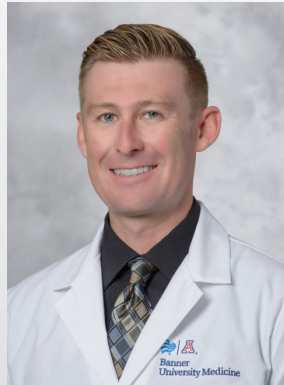


**Professor Gmitro** was featured as the 2016 Founders Day Lecturer at the University of Arizona College of Medicine - Tucson

# WELCOME

Beautiful baby girl  
**Ava Grace Ardary**  
was born on May 23  
weighing 7 lbs. 15 oz. and  
measuring 20  $\frac{3}{4}$  inches  
long.

Everyone is happy and  
healthy. Many  
congratulations to the  
new family!



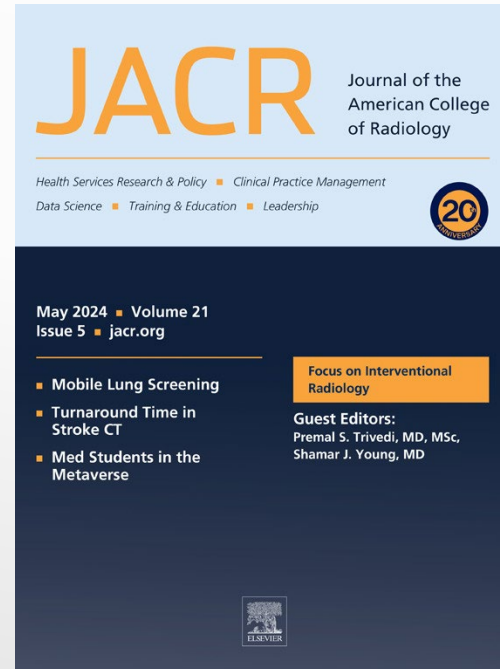
Proud father,  
Chris Ardary MD



# PUBLICATION – GUEST EDITOR



**Shamar Young, MD**



► **Focus on Interventional Radiology**

► Edited by Premal S Trivedi MD, and Shamar J Young MD

Volume 21

[Issue 5p697-848, e21-e24](#)

May 2024



# PUBLICATION

- ▶ **Appearance of intracranial cottonoids on intraoperative magnetic resonance imaging**
- ▶ Terrani KF, Madura C, **Rogers S**, Avellino AM
- ▶ The Neuroradiology Journal  
[doi:10.1177/19714009241247466](https://doi.org/10.1177/19714009241247466)  
April 13, 2024

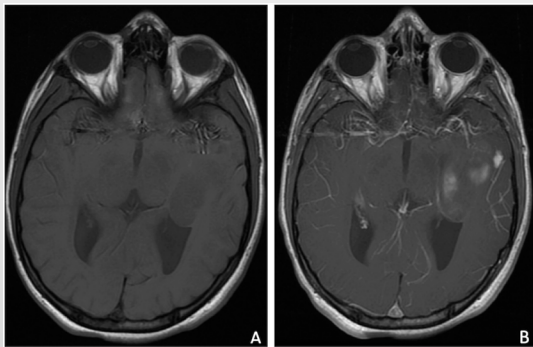
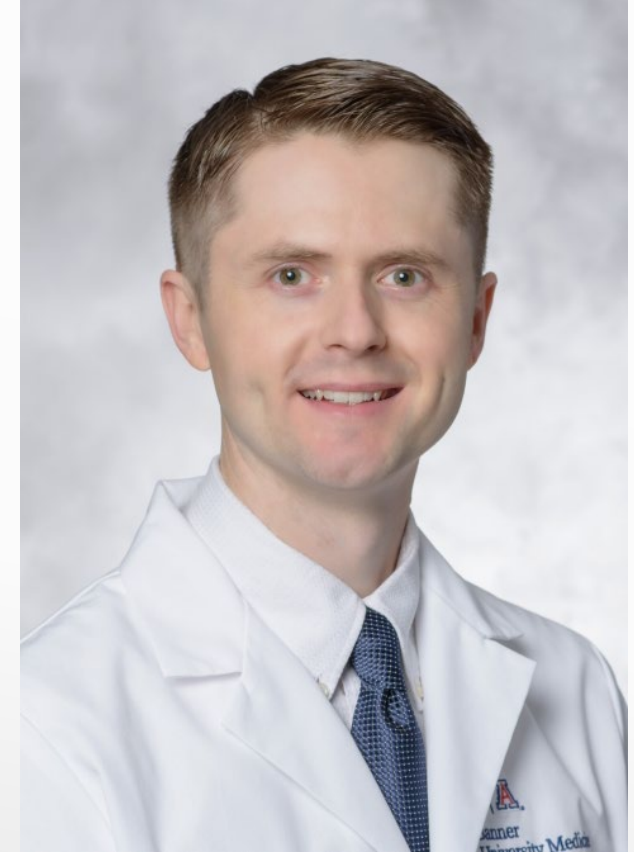


Figure 1. 12-year-old male with history of seizures. Pre-contrast axial T1 (a) and T1 post-contrast (b), pre-operative images of the left temporal mass. Incidental findings of enlarged ventricles were in the setting of a concomitant diagnosis of myelomeningocele causing asymptomatic ventriculomegaly which was never shunted.



**Samuel Rogers, MD**



# PUBLICATION

- ▶ **Syndrome of inappropriate antidiuretic hormone release secondary to central nervous system coccidioidomycosis with vasculitis**
- ▶ Gregory Lawrence Branigan, **Hasan T Ozgur**, James Lim and Talha Riaz
- ▶ BMJ Case Report  
[doi: 10.1136/bcr-2023-258915](https://doi.org/10.1136/bcr-2023-258915)  
March 29, 2024

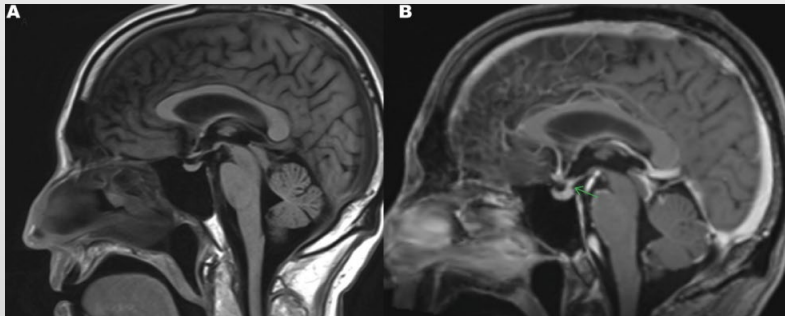


Figure 3  
Precontrast sagittal T1 spin echo image demonstrates unremarkable pituitary gland and pituitary stalk. There is non-visualization of the posterior pituitary bright spot, which is a non-specific finding and may be within normal limits. (B) Post-contrast sagittal T1 MPRAE image demonstrates thickening of the pituitary stalk and asymmetrically increased enhancement of the posterior pituitary.



**Hasan Ozgur, MD**

# PUBLICATION

- ▶ **Beyond the AJR: PET/MRI Using 68Ga-RM2 Has Superior Performance to MRI Alone in the Localization of Lesions in Patients With Biochemical Failure After Prostate Cancer Treatment**

**Bitat Savir-Baruch, MD, FACNM, and Ephraim Parent, MD, PhD**

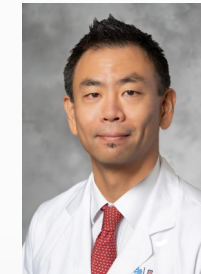
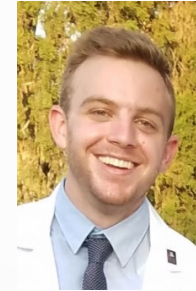
- ▶ AJR Online  
<https://ajronline.org/doi/10.2214/AJR.24.31412>  
May 5, 2024



**Bitat Savir-Baruch, MD, FACNM**

# PUBLICATION

- ▶ **Maximizing microcalcification detectability in low-dose dedicated cone-beam breast CT: parallel cascades-based theoretical analysis.**
- ▶ Thomas Larsen <sup>1</sup>, Hsin Wu Tseng <sup>2</sup>, Rachawadee Trinate <sup>1</sup>, Zhiyang Fu <sup>2</sup>, Jing-Tzyh Alan Chiang <sup>2</sup>, Andrew Karellas <sup>2</sup>, Srinivasan Vedantham <sup>1 2</sup>
- ▶ J Med Imaging (Bellingham)  
2024 May;11(3):033501.  
[doi: 10.1117/1.JMI.11.3.033501](https://doi.org/10.1117/1.JMI.11.3.033501)  
Epub 2024 May 15.

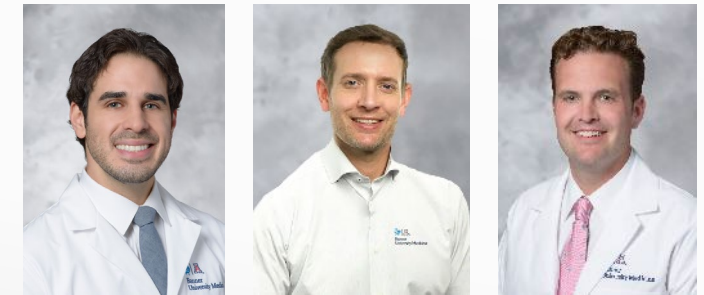
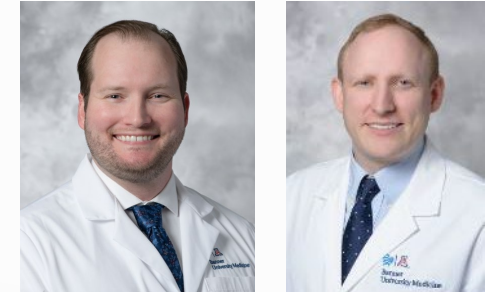


**Thomas Larsen, MD, Andy Tseng, PhD,  
Rachawadee Trinate, Zhiyang Fu, PhD,  
Alan Chiang, MD, Andrew Karellas, PhD, and  
Srinivasan Vedantham, PhD**



# PUBLICATION

- ▶ **Comparative outcomes of trans-arterial radioembolization in patients with non-alcoholic steatohepatitis/non-alcoholic fatty liver disease-induced HCC: a retrospective analysis**
- ▶ Christopher Brunson, **Lucas Struycken**, David Schaub, Jacob Ref, **Daniel Goldberg**, Jack Hannallah, **Gregory Woodhead & Shamar Young**
- ▶ Abdominal Radiology  
[DOI: 10.1007/s00261-024-04295-8](https://doi.org/10.1007/s00261-024-04295-8)  
06 May 2024



**Lucas Struycken, MD, Dan Goldberg, MD,  
Jack Hannallah, MD, Greg Woodhead, MD,  
and Shamar Young, MD**

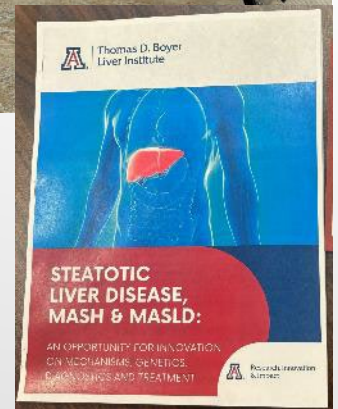
# STEATOTIC LIVER DISEASE WORKSHOP

**Saturday, April 27**

- ▶ Faculty and affiliated colleagues working in diverse fields in steatotic liver disease (MASH/MASLD/NAFLD) participated in the 1st annual collaboration. Organizers [Geoff Block, MD](#), Director of the Thomas D. Boyer Liver Institute and [Maria Altbach, PhD](#), of the Department of Medical Imaging, spearheaded the event.
- ▶ Faculty from the UA Tucson and Phoenix campuses had the opportunity to share their work.
- ▶ Advances in medical imaging were covered by **Drs. Hina Arif, Maria Altbach, and Ali Bilgin.**



**Hina Arif-Tiwari, MD, FSAR** is pictured giving a presentation during the workshop.



# MOLECULAR IMAGING AND BREAST CANCER SYMPOSIUM

May 6

- ▶ “Molecular Imaging and Breast Cancer: Selecting, Diagnosing and Evaluating Targeting Treatments”
- ▶ Over **40 participants** turned out for the SNMMI dinner symposium event held at Hacienda del Sol
- ▶ Topics of discussion: molecular breast imaging – diagnosis for patients with dense breasts, FDG PET/CT, FES PET and On-the-horizon imaging for new targets such as HER2 and PARP



UArizona College of Medicine – Tucson speakers included **Bital Savir-Baruch, MD, FACNM**, Professor, Medical Imaging and Division Chief, Nuclear Medicine and Theranostics (right) and Jennifer Erdrich, MD, MPH, Assistant Professor, Surgery (corner).

Not pictured: Jennifer Segar, MD, Associate Professor, Medicine and Sima Ehsani, MD, Assistant Professor, Medical Oncology





# PATHWAYS TO SUCCESS EVENT

May 8

A fantastic group from the Department of Medical Imaging participated in the recent Pathways for Success careers in healthcare event, held at Banner-University Medical Center South. The team was prepared with hands-on demonstrations, literature and fun giveaways.

Image top left: a special thanks to **Cesar, Gabriel, Conner, Sarah and Ina** (not pictured)





**May 8th, 2024**  
5-7:30 PM

## Pathways to Success

An evening of healthcare career exploration!

- Engaging hands on activities
- Behind the scenes hospital tour
- Door prizes

- Light dinner provided
- Local speakers
- Admissions advice

**Come meet these healthcare professionals!**

Physical Therapist	Medical Assistant
Doctor	Pharmacist
Radiology Technician	Emergency Medical Technician
Social Worker	Respiratory Therapist
Lab Tech	Nutritionist
Nurse	Phlebotomist
Respiratory Therapist	Ultrasound Technicians



Banner University Medical Center South  
2800 E. Ajo Way



THE UNIVERSITY OF ARIZONA  
COLLEGE OF MEDICINE TUCSON  
Office of Diversity, Equity & Inclusion



# ANNUAL MEETING PRESENTATION: SUFU 2034

**May 3**

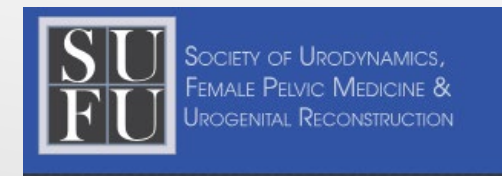
- ▶ Using the perineal line in dynamic magnetic resonance defecography grading of pelvic organ prolapse and its correlation to physical exam.
- ▶ Delu A, **Arif-Tiwari H**, Funk J, **Vedantham S**, Twiss C.
- ▶ Society of Urodynamics, Female Pelvic Medicine & Urogenital Reconstruction (**SUFU**) **2024**  
Henry B. Gonzalez Convention Center in San Antonio, TX



**Hina Arif-Tiwari, MD,  
FSAR**



**Srinivasan  
Vedantham, PhD**



# FEATURED CREDIT ARTICLE

- ▶ Dr. Arif's publication, [Biliary Duct Dilatation: AJR Expert Panel Narrative Review](#), is showcased as a new course for credit offering this month.
- ▶ The [American Journal of Roentgenology \(AJR\)](#) article is a part of the online educational resources and premier content accessible to ARRS members.



The banner features a dark blue background with a white icon of a document and a pencil on the left. The text "New AJR Articles with Credit" is written in white. Below this, the title "Biliary Duct Dilatation: AJR Expert Panel Narrative Review" is displayed in a smaller font. On the right side, the ARRS logo is shown, consisting of the letters "ARRS" in a large, bold, blue font, with "Your Medical Imaging Society" in a smaller blue font below it. At the bottom right, the tagline "CONNECT • LEARN • ADVANCE" is written in a small, blue, sans-serif font.

**New AJR Articles with Credit**

[Biliary Duct Dilatation: AJR Expert Panel Narrative Review](#)

**ARRS**  
Your Medical Imaging Society  
CONNECT • LEARN • ADVANCE



**Hina Arif-Tiwari, MD,  
FSAR**



# ANNUAL MEETING PRESENTATIONS: ARRS 2024



**May 5**

**Residents Symposium: Disruptors in the Radiology Workforce** New technologies, an unprecedented shortage of radiologists, and a dramatic increase in imaging volume have challenged traditional radiology workforce models. This symposium will explore the current and future trends shaping the practice of radiology and the radiology workforce.



**Ralph Drosten,  
MD**

- ▶ What Does Radiology Practice Look Like in the Future?  
**Ralph Drosten, MD**

**May 6**

**Great Cardiothoracic Interpretations From Our Practices** Luminaries in chest imaging, all past presidents of the Society of Thoracic Radiology, present great case interpretations they have seen in their practices.



**Melissa Rosado  
de Christenson,  
MD**

- ▶ Great Cardiothoracic Interpretations from My Practice Pt. 3,  
**Melissa Rosado De Christenson, MD,  
FACR, FAAWR**



Faculty from the UArizona Cardiothoracic Imaging Division shared images from their experience during the 2024 American Roentgen Ray Society annual meeting.

Images:

(top, left) **Ralph Drosten, MD** is pictured with **Veronica Arteaga, MD**.

(top, right) **Gerald Abbott, MD**, and **Melissa Rosado de Christenson, MD**, stand next to the plaque that features the 2024 Roentgen Fund Honorary Lecture established in their names through a generous contribution from Dr. Philip Costello.

(lower, right) **Ralph Drosten, MD**, is pictured next to **Kathryn Olsen, MD**.

(lower, left) **Melissa Rosado de Christenson, MD**, and **Paul Christenson** during the ARRS Executive Council Dinner.





# ANNUAL MEETING PRESENTATIONS: GEST 2024



Shamar Young, MD and Greg Woodhead, MD, PhD

## May 16

- ▶ Abstract Session III: A tale of two devices: comparing manual and drill bone marrow biopsy device samples, **Shamar Young, MD**
- ▶ Session VI Thyroid: Take 5- top studies for thyroid ablation and embolization, **Shamar Young, MD/moderator**
- ▶ Session VII TARE Dosimetry: Mass Forming cholangio: what's new and where does it fit in, **Shamar Young, MD/moderator**

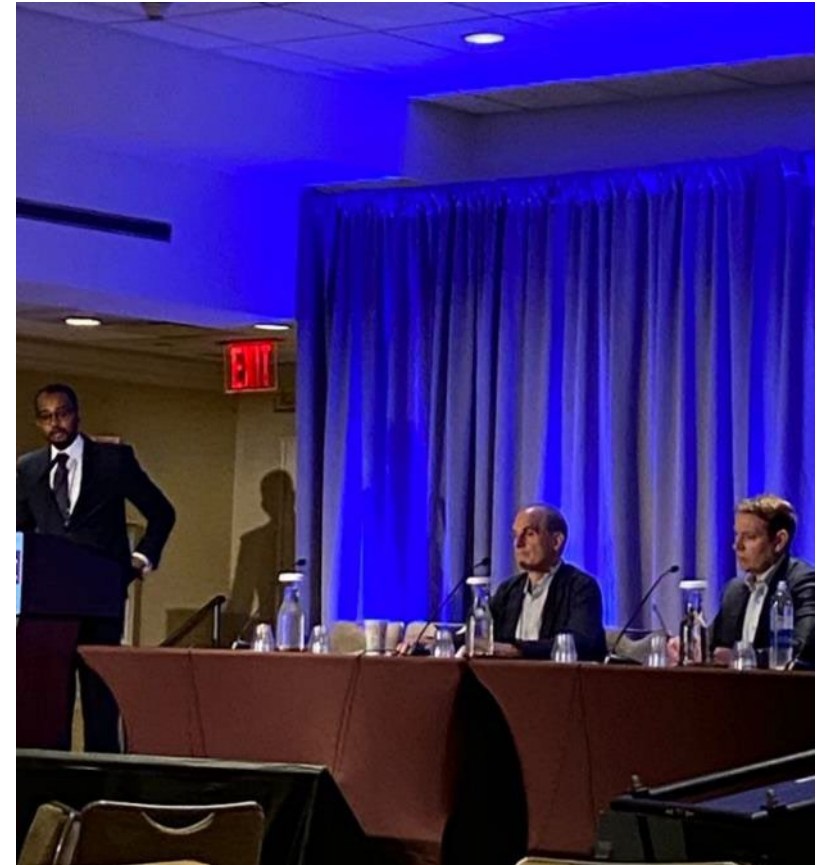
## May 17

- ▶ Session VIII Masterclass 10 Vascular– Emulate the Masters – Demonstration Y90 Devices/C-Tace Prep, **Shamar Young, MD**
- ▶ Abstract Session IV: Evaluation of Complication Rates when the gallbladder wall is included in the ice-ball during hepatic cryoablation, **Shamar Young, MD**
- ▶ Session XVI Research Immuno Oncology: (moderator Shammar Young, MD) Ablation and Immunotherapy: Burn and turn it up? **Greg Woodhead, MD, PhD**

## May 18

- ▶ Abstract Session VII: Best Scientific Abstracts & Awards: Comparison of outcomes in splanchnic and celiac plexus cryoneurolysis treatments for refractory abdominal pain, **Shamar Young, MD/moderator**





Interventional Radiology Faculty and Residents traveled to New York City to showcase recent research efforts during the GEST 2024 annual meeting. **Drs. Young, Woodhead and Fitzgerald** are pictured above giving presentations and moderating panels.





UArizona Interventional Radiology (IR) was featured throughout GEST 2024. Pictured, left are participants **Sarah Placek**, **Shamar Young**, **Zachary Fitzgerald** and **Greg Woodhead**.

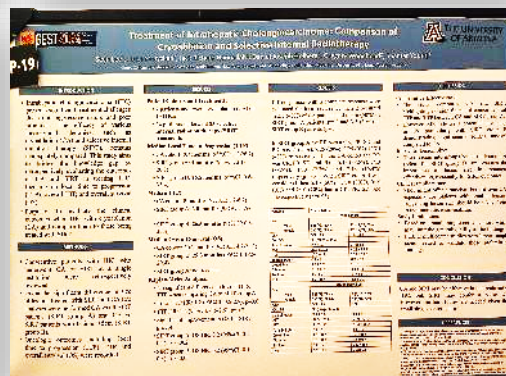
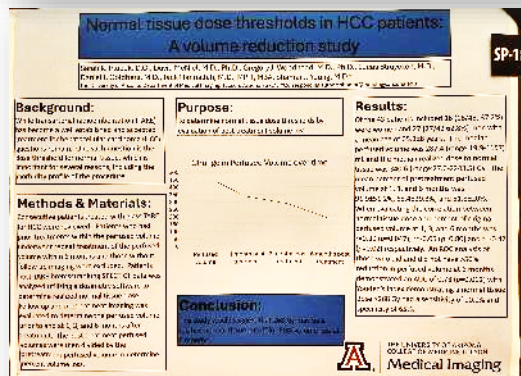
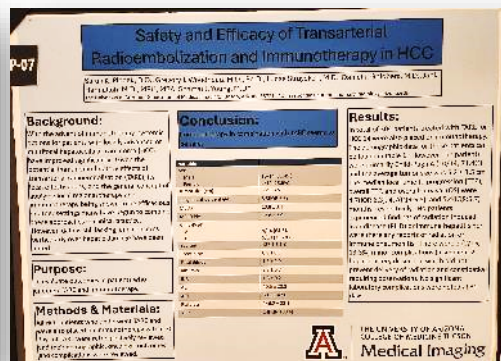
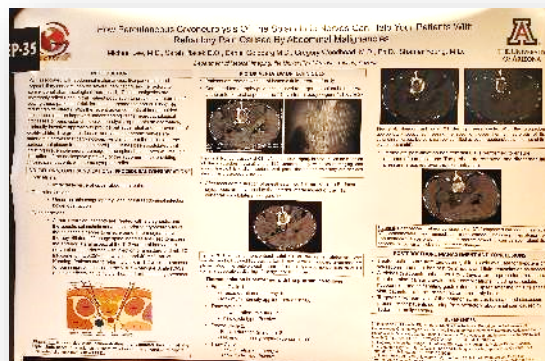


Pictured center: **Dr. Zach Fitzgerald** presented an oral abstract in the *Best Scientific Abstracts & Awards* session titled, "Comparison of outcomes in splanchnic and celiac plexus cryoneurolysis treatments for refractory abdominal pain."



Pictured, right: **Dr. Sarah Placek** presented departmental research originally performed by **Drs. Sanjog Singh and Philip Losada**, titled, "A tale of two devices: Comparing manual and drill bone marrow biopsy device samples." Dr. Placek also presented an oral abstract, "Evaluation of complication rates when the gallbladder wall is included in the ice-ball during hepatic cryoablation."

# Educational & Scientific Posters: GEST 2024



- ▶ **Percutaneous cryoneurolysis of the splanchnic nerves: help your patients with refractory abdominal pain interventions**  
Michael Lee, MD, Sarah Placek DO, Daniel Goldberg MD, Gregory Woodhead, MD, PhD, Shamar Young, MD

- ▶ **Safety and efficacy of transarterial radioembolization and immunotherapy in HCC Immuno-Oncology**  
Sarah Placek DO, Gregory Woodhead, MD, PhD, Lucas Struycken, MD, Daniel J. Goldberg, MD, Jack Hannallah, MD, MPH, MBA, Shamar J. Young, MD\*

- ▶ **Normal tissue dose thresholds in HCC patients: a volume reduction study**

Sarah K. Placek, DO, David McNeil, MD, PhD, Gregory J. Woodhead, MD, PhD, Lucas Struycken, MD, Daniel J. Goldberg, MD, Jack Hannallah, MD, MPH, MBA, Shamar J. Young, MD

- ▶ **Treatment of intrahepatic cholangiocarcinoma: comparison of cryoablation and selective internal radiotherapy Liver: IO and Non-IO**

Sean Lee, Lucas Struycken MD, Jack Richard Hannallah, MD, MPH, MBA, Daniel Joseph Goldberg, MD Gregory Woodhead MD, PhD, Shamar Young, MD





# ACR 2024 RADIOLOGY ADVOCACY

Ralph Drosten, MD, traveled to Washington, DC on behalf of the American College of Radiology (ACR). During the trip, Dr. Drosten met with U.S. Representatives and Senators to promote Radiology initiatives.

Pictured: (from top, clockwise) U.S. Representative Paul Gosar, Rodney Owen (RP Board RP-SMIL), Tariq Mian (Nuclear Medicine) with Dr. Drosten; Ralph Drosten (Radiology) and Tariq Mian (Nuclear Medicine) outside of U.S. Senator Kyrsten Sinema's office; Dr. Drosten stands outside the U.S. Capitol Building

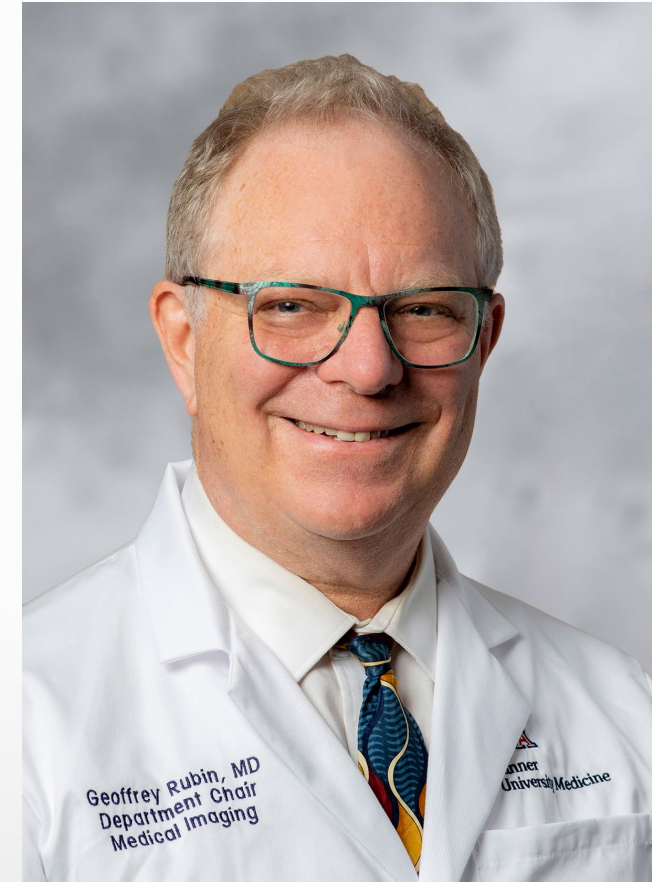


# INVITED LECTURER

**May 31**

Dr. Rubin was invited to present a [Gary M. Glazer Lectureship](#) Radiology Grand Rounds at Stanford Medicine.

With more than 35 years of technology development experience at Stanford, Duke and the University of Arizona, Dr. Rubin spoke knowledgeably presenting “Technology Development and Clinical Innovation: Clearing the Bar.”



**Geoffrey Rubin, MD, MBA**



# MI GRAND ROUNDS | DEI LECTURE

May 10



**Vilert Loving, MD, MMM, FSBI**  
Chief of Breast Imaging  
Co-Director Breast Cancer Program  
Banner MD Anderson Cancer Center

**Breast Cancer Screening and Outcomes Disparities in Native American Women**

Vilert Loving, MD, MMM, FSBI  
Chief of Breast Imaging  
Co-Director, Breast Cancer Program  
Banner MD Anderson Cancer Center

University of Arizona  
Department of Medical Imaging  
Grand Rounds  
May 10, 2024

The slide features four circular logos. The top right logo is the official seal of the State of Arizona. Below it are the logos for the Pascua Yaqui Tribe (featuring a Native American figure), the Gila River Indian Community (featuring a desert landscape with a cactus and mountains), and the San Carlos Apache Tribe (featuring a mountain landscape). The bottom left logo is for the Banner MD Anderson Cancer Center, with the tagline "Making Cancer History".

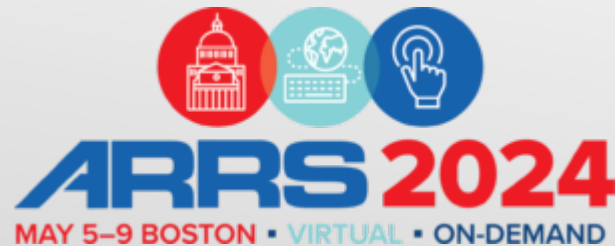
► Miss the presentation? Find the recording [here](#)



# ITAR at ARRS 2024

**May 5 - 9**

- ▶ Congratulations! 2<sup>nd</sup>-Year Resident **Miles Seidel** was selected to participate in the RSNA/AUR/ARRS Introduction to Academic Radiology (ITAR) Program.
- ▶ Dr. Seidel attended the American Roentgen Ray Society (ARRS) Program, held during the [ARRS Annual Meeting](#), at the John B. Hynes Veterans Memorial Convention Center in Boston, Massachusetts.



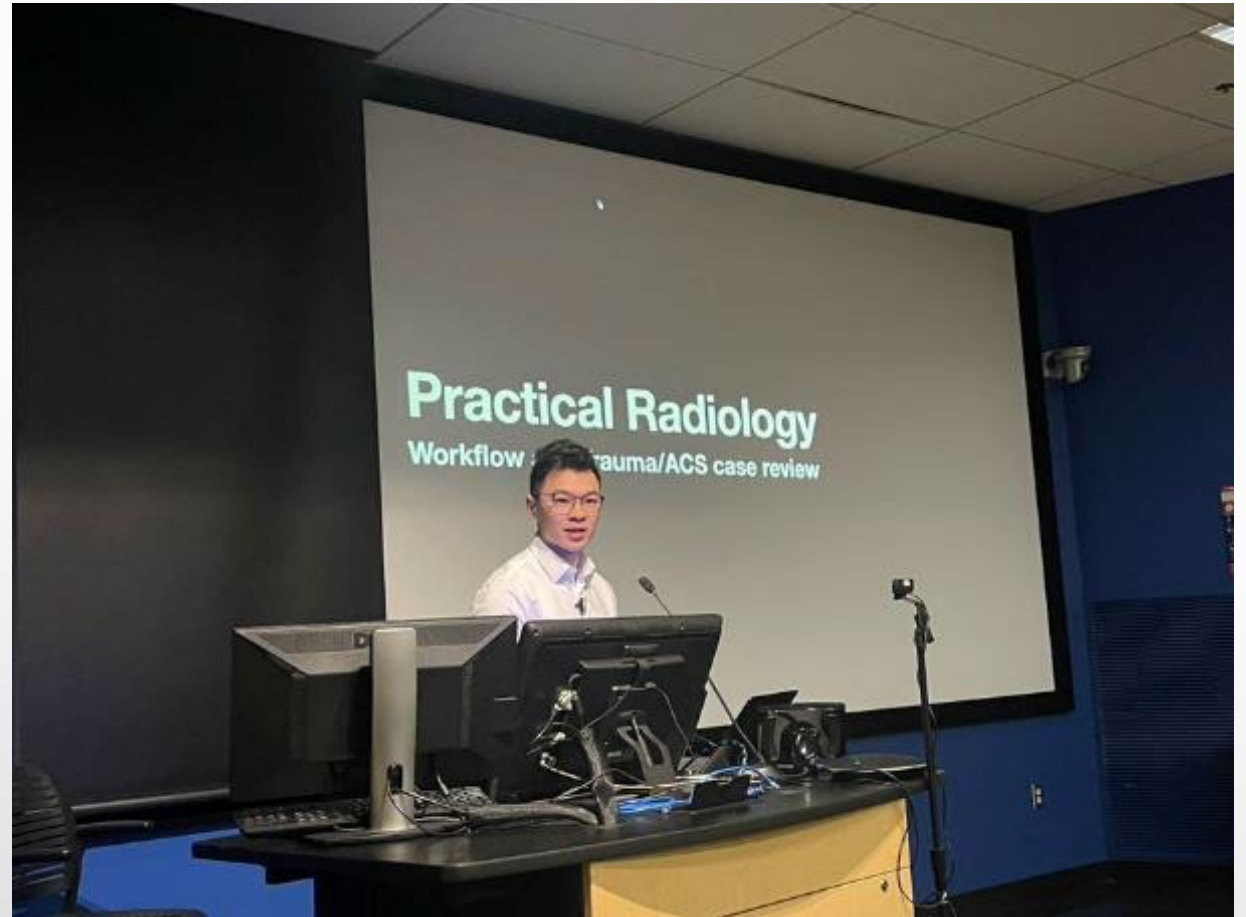
**Miles Seidel, MD**  
DR Resident, 2<sup>nd</sup>-Year

# RESIDENT PRESENTATION

**April 26**

Fourth Year DR Resident **Jason Lee, MD**, was invited to present during the Department of Surgery Grand Rounds.

Dr. Lee's lecture was designed to improve the understanding of how the radiology department functions.



# RESIDENT WELLNESS EVENT



**May 16**

Faculty, Residents and Fellows participated in a recent Wellness event: a lively dinner outing in North Tucson. Held at Churrasco de Brasil, everyone enjoyed the camaraderie and an opportunity to socialize.

Special thanks to the event organizers:  
**Tristan Cooper-Roth, Gabriella Mamo,  
Anish Bhandari, Stefano Natali, Caleb Boehler,  
Tyson Chadaz and Michele Dalmendray.**





# INTERVENTIONAL RADIOLOGY's ANGIO CLUB WRAP UP



**May 3**

Chief Resident **David McNiel, MD, PhD**, is pictured presenting during the last Angio Club meeting of the 2023 -2024 academic year. The event was hosted by Terumo, Inari, and Gore.

Lecture topics of the day included *Bronchial Artery Embolization*, *Abdominal Arterial Embolization*, and *Complex Biliary Cases* presented by **Drs. McNiel, Abdalla, and Fitzgerald**.

# VISITING MEDICAL STUDENT SCHOLARSHIP 2024



Kudos to **Amy Jennings** for initiating and managing the process! Medical Imaging is participating in offering a Visiting Medical Student Scholarship for 2024-2025. The DEI Committee will assist with evaluating this year's candidates.

Applications from out-of-state 4<sup>th</sup> Year Medical Students interested in Radiology will be accepted through **June 3**. The awardee will be announced on June 12.

Learn more at [MI Diversity, Equity and Inclusion](#)



## Clinical Faculty Team Space

The 2<sup>nd</sup> floor – temporary clinical office area is artfully assembled. IT is installed and equipped with Banner/UA Arizona connectivity. Adjacent to the space is a large clinical conference room.