



R & R

RECOGNIZE & REWARD

November/December 2023



Banner
University Medical Center
Tucson



THE UNIVERSITY OF ARIZONA
COLLEGE OF MEDICINE TUCSON
Medical Imaging

Welcome Justin Starren, MD, PhD, FACMI



- ▶ **2010-2023: FEINBERG SCHOOL OF MEDICINE, NORTHWESTERN UNIVERSITY**
Professor and Division Chief, Health and Biomedical Informatics
Director, Center for Biomedical Informatics and Data Science (CBIDS)
Deputy Director, Northwestern University Clinical and Translational Sciences Institute
- ▶ **2006-2010: MARSHFIELD CLINIC RESEARCH FOUNDATION**
Director, Biomedical Informatics Research Center & Tenured Senior Research Scientist
- ▶ **1988-2006: COLUMBIA UNIVERSITY SCHOOL OF MEDICINE**
Assistant, Associate Professor, Departments of Biomedical Informatics and Radiology
Research Fellow/Associate Research Scientist in Medical Informatics
Radiology Residency
- ▶ **EDUCATION**
PhD, Columbia University, Medical Informatics
MD, Washington University
BA, Biology, Washington University

Justin Starren, MD, PhD, FACMI

Professor, Medical Imaging (Tenured)
Director, Center of Biomedical
Informatics and Biostatistics

CONGRATULATIONS

- Professor [Russ Witte](#) was selected to serve on the inaugural standing study section for the NIH Brain Initiative (NINDS), "*BRAIN Review: New Technologies and Optimization.*"



Russell Witte, PhD

- Dr. Witte was also elected by Uarizona Senators to serve on the University of Arizona's Shared Faculty Governance Committee (FY24-5)

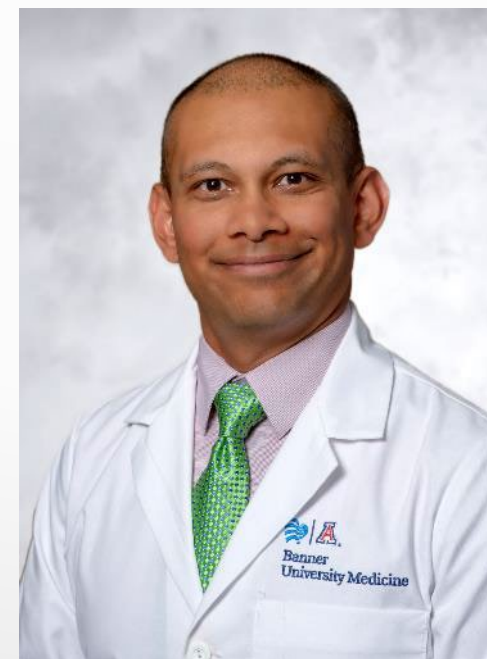




NEW BABY GIRL

Many congratulations to
the Warhadpande family!

Baby girl **Roohi** was born
on **November 17** at **1:29**
am weighing in at **5 lbs.**



Devdutta Warhadpande, MD, MS
Assistant Professor and
Proud Father



NEW BABY GIRL

Many congratulations to
the Natali family!

Baby girl **Sienna** arrived
healthy and strong
November 14



Stefano Natali, DO
3rd Year DR Resident
and Proud Father

PROMOTION

MI administrative staff member **Lexy Torres** has been promoted to Administrative Associate.

In her new role, Lexy will provide vital Research support to the team. Key responsibilities include travel support, reimbursements, and research supply orders. Additionally, she has kindly agreed to help us cover her current role until we hire her replacement.

Congratulations, Lexy!

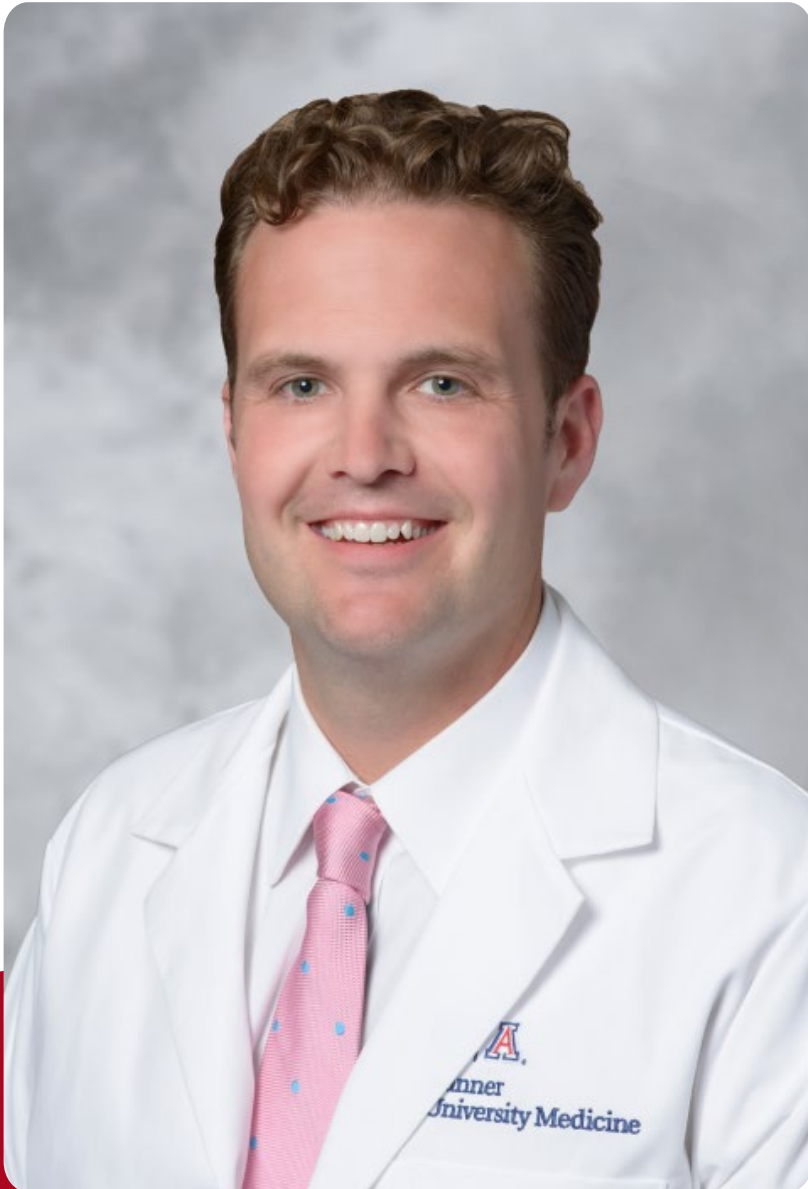


Alexzandra Torres (Lexy)

Celebrating Our *Amazing* Technologists



Thursday, Nov. 9
Banner leaders Jamie Crooks, Geoff Rubin and Michelle Faull (above) enjoyed serving a catered lunch to the team at B-UMCT.



SCHOLARLY CONTRIBUTIONS

Shamar Young accepted the invitation to join the editorial team of Cardiovascular and Interventional Radiology (CVIR).



PUBLICATIONS

- ▶ **Dedicated Cone-Beam Breast CT: Reproducibility of Volumetric Glandular Fraction with Advanced Image Reconstruction Methods.**

Vedantham S, Tseng HW, Fu Z, Chow HS.

Tomography. 2023 Nov 2;9(6):2039-2051.

<https://doi.org/10.3390/tomography9060160> PMID: 37987346;

PMCID: PMC10661286.



- ▶ **Contrast-enhanced breast computed tomography: can lymph node metastasis be predicted from primary tumor?**

Vedantham S. Eur Radiol. 2023 Nov 6. doi: 10.1007/s00330-023-

10399-4. Epub ahead of print. PMID: 37930415.



Srinivasan Vedantham,
PhD, DABR, FAAPM

CLINICAL TRIAL

CT-guided Pudendal Nerve Cryoneurolysis for Palliation of Malignancy-induced Pelvic Pain

CT-guided Bilateral Pudendal Nerve Cryoneurolysis, a new treatment, is being studied to determine if it can help patients suffering from severe and long-lasting pelvic-area pain caused by cancer. Patients will be closely followed and observed to gather information about treatment efficacy and potential side effects.

Percutaneous Image-guided Cryoneurolysis involves the use of very cold temperatures to address the nerves causing the pain.

Learn more: [NCT06110065](https://clinicaltrials.gov/ct2/show/study/NCT06110065)



Shamar Young, MD

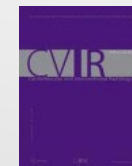


Dan Goldberg, MD



PUBLICATIONS

- ▶ **Machine Learning Insights: Predicting Hepatic Encephalopathy After TIPS Placement.** *Okan Ince, Hakan Önder, Mehmet Gençtürk, Jafar Golzarian, Shamar Young.* Cardiovascular Interventional Radiology, 2023 Dec; [doi: 10.1007/s00270-023-03593-w](https://doi.org/10.1007/s00270-023-03593-w)
- ▶ **Intrahepatic Cholangiocarcinoma: a Dose Threshold Evaluation in Those Undergoing Transarterial Radioembolization.** *Shamar Young, Pooya Torkian, Siobhan Flanagan, Donna D'Souza, Tina Sanghvi, Jafar Golzarian.* Journal of Gastrointestinal Oncology; 2023 Oct 31;14(5):2202-2211. [doi: 10.21037/jgo-23-210](https://doi.org/10.21037/jgo-23-210)
- ▶ **Vortex -assisted Resin y90 Delivery Via 175 cm Truselect Microcatheter: Case Factors for High Residual Despite Double-flush Protocol.** *Alan Alper Sag, Ethan Agritelley, James Ronald, Shamar J Young, Charles Y Kim.* Nuclear Medicine Communications.2023 Oct 30. [doi: 10.1097/MNM.0000000000001784](https://doi.org/10.1097/MNM.0000000000001784). Online ahead of print.
- ▶ **Machine Learning Models in Prediction of Treatment Response After Chemoembolization with MRI Clinoradiomics Features.** *Ince O, Önder H, Gençtürk M, Cebeci H, Golzarian J, Young S.* Cardiovascular Interventional Radiology, 2023 Dec. [doi: 10.1007/s00270-023-03574-z](https://doi.org/10.1007/s00270-023-03574-z). Epub 2023 Oct 26. PMID: 37884802



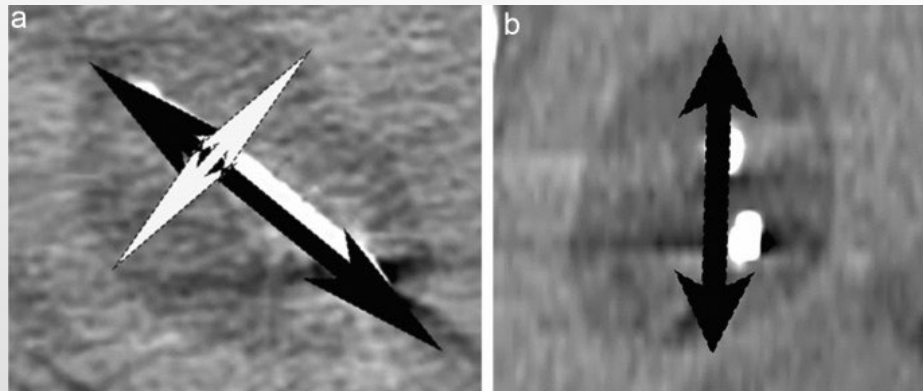
Shamar Young, MD

PUBLICATION

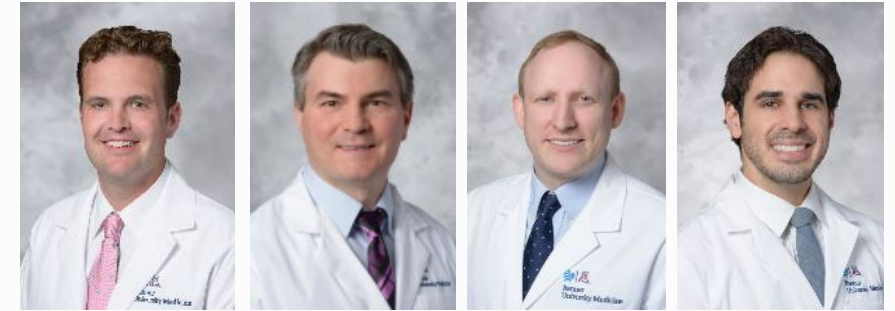
► **Cryoablation in the Liver: How Accurately Does the Iceball Predict the Ablation Zone?**

Young S, Abramyan A, Goldberg D, Hannallah J, Schaub D, Kalarn S, Fitzgerald Z, Woodhead G.

Abdominal Radiology (NY). 2023 Nov 30. [doi: 10.1007/s00261-023-04117-3](https://doi.org/10.1007/s00261-023-04117-3). Online ahead of print. PMID: 38036773



Non-contrast-enhanced computed tomography (CT) performed during a cryoablation demonstrating how measurements were made in the long axis (LA) (a black arrow), perpendicular transverse (PTR) (a white arrow), and perpendicular craniocaudal (PCC) (b black arrow)



Shamar Young, MD, Art Abramyan, DO, Dan Goldberg, MD, Jack Hannallah, MD, Salil Kalarn, DO, Zachary Fitzgerald, MD, and Greg Woodhead, MD, PhD

PUBLICATION: ACR BULLETIN FEATURE

MI Chair Geoff Rubin's Podcast Project series is featured in the [ACR Bulletin](#) (December)



Centennial Perspectives: A Look at Radiology From All Sides

A Radiology Leadership Institute® (RLI) podcast project looks at two generations of radiologists — those with decades of experience and those with less than 10 years in practice.



Centennial Perspectives: Longtime Radiologists Recall the Past and Welcome the Future

Five experienced radiologists look back at how far the specialty has come and what will continue to evolve within radiology in the coming years.



Centennial Perspectives: Rising Leaders in Radiology Look at How the Specialty Will Evolve

Four rising radiology leaders share their most rewarding experiences in the field so far, and their goals for themselves and the future of radiology.



Behind the Microphone With Geoffrey D. Rubin, MD, MBA, FACR

Host of the RLI podcast project weighs in on thought-provoking similarities and differences in the views of two sets of panelists in special episodes of Taking the Lead.



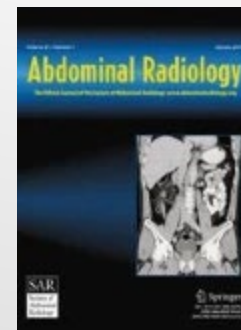
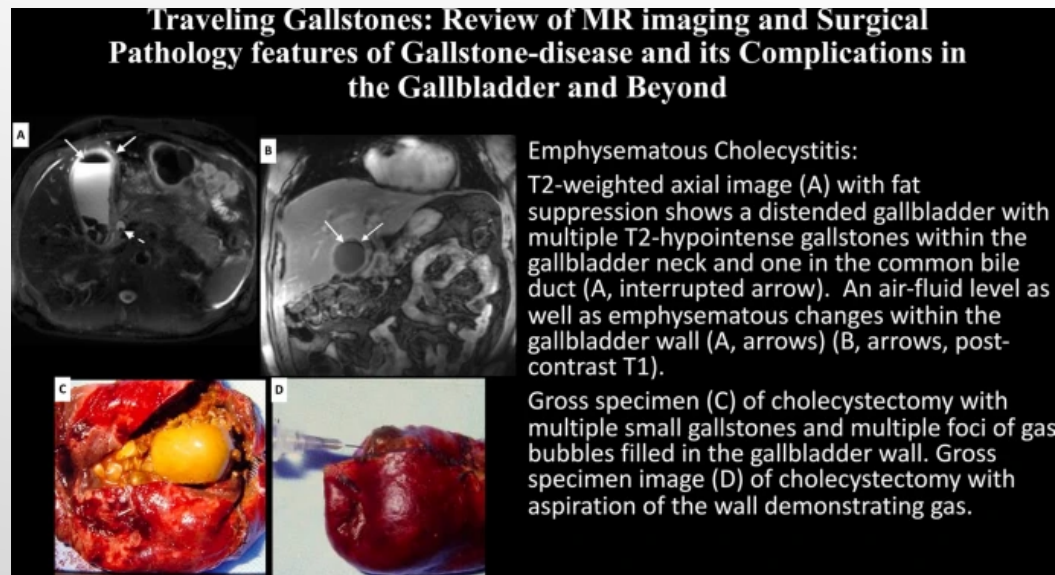
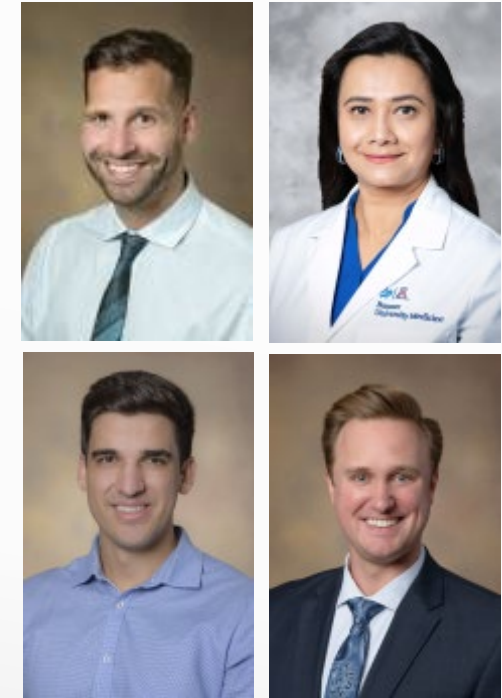
Geoffrey Rubin, MD,
MBA, FACR, FAHA, FSAB, FNASCI

PUBLICATION

► **Traveling Gallstones: Review of MR Imaging and Surgical Pathology Features of Gallstone Disease and Its Complications in the Gallbladder and Beyond.**

Gabriel Duhancioglu, Hina Arif-Tiwari, Stefano Natali, Conner Reynolds, Neeraj Lalwani & Ann Fulcher

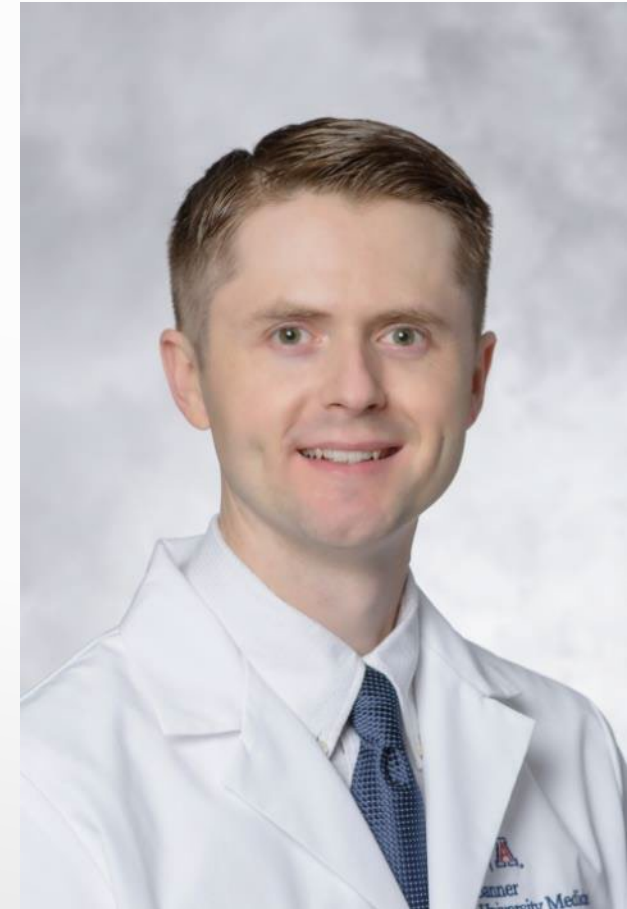
Abdominal Radiology (NY) 2023 Dec 3. doi: [10.1007/s00261-023-04107-5](https://doi.org/10.1007/s00261-023-04107-5).



Gabriel Duhancioglu, MD (Alum 2023), Hina Arif-Tiwari, MD, Stefano Natali, DO and Conner Reynolds, DO

PRESENTATION

- ▶ [Sam Rogers](#) was invited to present at the American Society of Neuroradiology Webinar Series held November 15, 2023.
- ▶ This is a very prestigious event that is offered to only a select number of radiologists who demonstrate meaningful and important contributions to the field of neuroradiology.
- ▶ "[Neurographics Case Conversations: Spectrum and Mimics of Brain Surface Enhancement on Postcontrast FLAIR Images](#)," is available to view [online](#).



Samuel Rogers, MD



Annual Meeting Presentations: RSNA



▶ Geoff Rubin, MD, MBA, FACR,
FAHA, FSABI, FNASCI

ITARJF: Ask the Chairs | MEIR18

Tuesday, Nov 28 1:45 PM CST

**Hot Topics in Coronary CTA in 2023 |
W6-CCA09**

Wednesday, Nov 29 1:30 PM CST

*Quantitative Atherosclerotic Plaque
Imaging: Pushing the Limits with CAD
RAD 2.0*



▶ Srinivasan Vedantham, PhD,
DABR, FAAPM

Physics (Diagnostic X-ray) | S4-SSPH02

Sunday, Nov 26, 1:00 PM CST

AMA PRA Category 1 Credits™: 1.00

ARRT Category A+ Credits: 0



▶ Mihra Taljanovic, MD, PhD, FACR
**Musculoskeletal Imaging (Tumors of
Bone and Soft Tissue) | R3-SSMK11**

Thursday, Nov 30, 9:30 AM CST

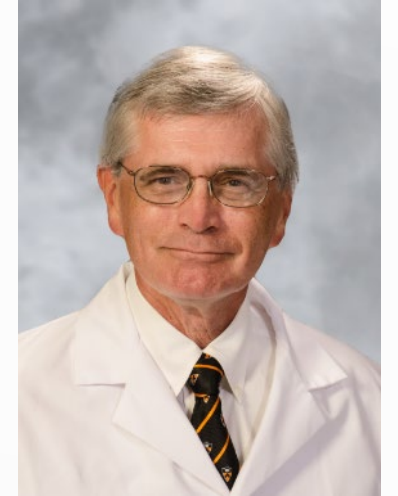
PRESENTATION

[Hina Arif-Tiwari, MD, FSAR](#), Assistant Dean, Women in Medicine and Science (WIMS) Program, COM-T (*pictured on the left in images and in the Leadership group photo*) presented **“Spurring Successful Women in Medicine and Science”** during a recent AAMC meeting. This program was recently launched at the University of Arizona.



PRESENTATIONS

- ▶ Presentation at the 35th annual meeting of the [American Society of Emergency Radiology](#) (ASER) held October 18 – 21 in San Diego, California
- ▶ Series of four lectures as part of the Emergency Radiology Course at the [American College of Radiology Education Center](#) held October 25 – 27 in Reston, Virginia
- ▶ Invited Virtual Visiting Professor presenting at the [Department of Radiology](#) NYU Grossman Long Island School of Medicine on November 14
- ▶ Invited lectures (2) at the National Diagnostic Imaging Symposium in Orlando December 3-7. Presentations: "Neck and Face Infections" & "Cervical Spine Injuries"



Wayne Kubal,
MD

Emergent Imaging of Head and Neck Infections
Wayne Kubal, MD, FASER

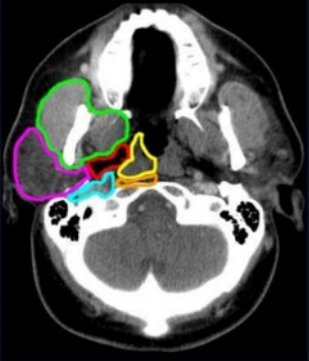


"The presentation, spread, and management of neck infection are based on the anatomic configurations of the cervical fascia and the spaces they define."

Problem: We cannot visualize the cervical fascia on CT.

Can you accurately describe the anatomic space or spaces involved by infection? Are you lost in space?

Solution: We will learn the anatomy based on the contents of each space rather than based on the fascial planes.

Scott, Stierberg, Driscoll.
Head & Neck Surgery Otolaryngology (2003)



PRESENTATIONS

[Shamar Young](#) gave several lectures at the AIM Symposium held in New York November 13-19.

SESSION 5: CONTROVERSIES AND CASE PRESENTATIONS IN RENAL, LUNG AND THYROID CANCER - presenter

- ▶ Indications And Technique For Ablative Therapy Of Thyroid Nodules
- ▶ Indications, Anatomy And Techniques For Thyroid Embolization

SESSION 15: WORKSHOP 4 (HANDS-ON) - panelist

- ▶ Oncology: Y90, TACE, Ablation



Shamar Young, MD

PRESENTATIONS

Interventional Radiology Division Chief, [Shamar Young, MD](#), and faculty member [Greg Woodhead, MD, PhD](#), were invited to participate in the Cholangiocarcinoma 2023 Tucson Regional Symposium held on Friday, December 8 at the Health Sciences Innovation Building.

Look for the sessions on the Cholangiocarcinoma Foundation [YouTube](#) page.



Shamar Young presented (far left) and Greg Woodhead participated on the case study panel presentation (top center). Both physicians are pictured with the group (left).

BANNER BLOG FEATURE

Pediatric Interventional Radiologist [David Aria](#) shared his expertise for a recent Banner Blog article about children & feeding tubes.

Dr. Aria discusses types of feeding tubes, when they are recommended, and best practices for caregivers to manage these devices at home.



Read the article, [Help Your Child Thrive: A Guide to Tube Feeding for Parents](#)



David Aria, MD, MBA

OUTREACH

Medical Imaging participated in the Fall 2023 Healthcare Career Fair for high school students, *Pathways to Success*.

Students from underserved Tucson communities learned about different fields within medicine (MD/DO, nursing, respiratory therapy, physical therapy, speech therapy, occupational therapy, MA, etc.).

Participants gained hands-on experience with a sonogram under the guidance of the IR/DR Residents and the IR Technologists.

This bi-annual event is held at Banner University Medical Center – South.



Gabriel Hernandez, Lizeth Peralta-Castro, Conner Reynolds and Sarah Placek. *Not pictured:* Dallin Christensen, Mark Greenhill, Ina Rios and Janet Black

Nov. 14, 2023

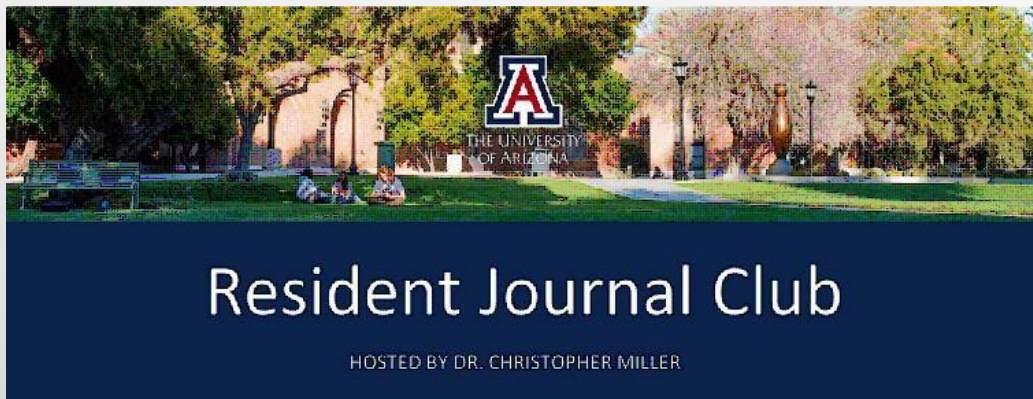
Medical Imaging participated in the healthcare career fair for high school students, *Pathways to Success*



JOURNAL CLUB

Friday, December 1

[Chris Miller](#), DR Residency Associate Program Director, hosted another insightful Journal Club meeting. Presentations were given by *Dallin Christensen* (R5), *Guillermo Alfonso* (R5) and *Audrey Nisbet* (R4) (pictured, right).



MI Lectures



DIVERSITY, EQUITY AND INCLUSION

Supporting Underrepresented Persons in Radiology

November 8, 2023
12 noon - 1 pm

Attend in person, COM-T 2117 or via Zoom



SARAH PLACEK, DO
IR-Integrated Resident



GRAND ROUNDS

Generative Models in Medical imaging

November 15, 2023
12 noon - 1 pm

Attend in person, COM-T 2117 or via Zoom



ALI BILGIN, PHD
Biomedical Engineering



GRAND ROUNDS

Why Sleep Matters and How Radiologists Can Get More of It

November 29, 2023
12 noon - 1 pm

Attend in person, COM-T 2117 or via Zoom



PATRICIA HAYNES, PHD, CBSM, DBSM
Center for Sleep, Circadian & Neuroscience Research



GRAND ROUNDS

The Role of Imaging in the Treatment of Brain Tumors

December 6, 2023
12 noon - 1 pm

Attend in person, COM-T 2117 or via Zoom



BALDASSARRE STEA, MD, PHD, FASTRO
Radiation Oncology

Research Faculty Candidate Presentations

Join us to Meet Weimin Zhou, PhD



Faculty Candidate Colloquium

- Wed. November 1
- COM-T, Room 2117
- 2 pm - 3 pm

Tenure-Track Assistant Professor
Global Institute of Future Technology
Shanghai Jiao Tong University (SJTU)



THE UNIVERSITY OF ARIZONA
Wyant College
of Optical Sciences



THE UNIVERSITY OF ARIZONA
COLLEGE OF MEDICINE TUCSON
Medical Imaging

Join us to Meet Joyoni Dey, PhD



Faculty Candidate Colloquium:

X-ray Interferometry with Modulated Phase Grating

- Friday, December 1
- COM-T, Room 2117
- 9 am - 10 am

Associate Professor,
Department of Physics and Astronomy
Louisiana State University



THE UNIVERSITY OF ARIZONA
Wyant College
of Optical Sciences



THE UNIVERSITY OF ARIZONA
COLLEGE OF MEDICINE TUCSON
Medical Imaging

In Collaboration
with
Wyant College of
Optical Sciences

DEI PRIDE GEAR



Following the celebration of LGBTQ+ History Month in October, the Office of Diversity, Equity and Inclusion (ODEI) launched a College of Medicine- Tucson exclusive line of LGBTQ+ Wildcat gear!

Kudos and congratulations to Diagnostic Radiology Residents **Dallin Christensen, DO**, and **Austin Pickrell, MD**, who were involved in the creation and launch of this special project.

COLLEGE OF MEDICINE TUCSON
Office of Diversity,
Equity & Inclusion

WILDCAT PRIDE 2023

On Sale Through
Monday, Nov. 20th

Available for a
limited time!

JACKET (WOMEN'S CUT)

- Prices starting at \$78 (plus tax)
- Personalization available
- Smooth face fleece, brushed back
- Black or Dark Grey

POLO (MEN'S CUT)

- Prices starting at \$45 (plus tax)
- Dark Grey or Sage Green
- Moisture-wicking, soft jersey blend

VEST (MEN'S CUT)

- Prices starting at \$70 (plus tax)
- Black Heather or Light Grey Heather
- Soft shell, micro fleece lined

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Right
Greene

Right
Greene

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RESIDENT SPOTLIGHT

Where do you call home?

Born in Miami, FL. Raised in Rockledge, FL.

What is the best thing about |the field of Radiology?

The best thing about radiology is being able to solve clinical puzzles through imaging and work with other physicians throughout all fields of medicine.

What is on the horizon after graduation?

After graduation, I will be doing a Pediatric Radiology fellowship at Cincinnati Children's Hospital and hope to work in a dedicated children's hospital after that.

3 fun facts

1. Girl Dad x2
2. Miami sports fan (Go Canes, Dolphins, Marlins and Heat!)
3. Avid golfer



Guillermo Alfonso, MD
4th Year
Diagnostic Radiology

RESIDENT SPOTLIGHT

Where do you call home?

Bend Oregon is home.

What is the best thing about the field of Radiology?

The best thing about radiology is making tricky observations and piecing together information from the patient's chart to make a complex diagnosis. It's like a combination of uncovering a mystery and carefully wagering on a bet.

What is on the horizon after graduation?

The future is a mystery to me. I may need to take it one step at a time or explore options as they arise.

3 fun facts

1. I'm an avid rock climber, photographer, and I enjoy constant exploration of new music.
2. I'm currently trying to learn Norwegian (slowly)
3. Also currently trying to learn to sail, also slowly.

Taylor Brown, MD
4th Year
Diagnostic Radiology



FANTASTIC FEEDBACK

3rd Year DR Resident, **Audrey Nisbet**, was commended for her role in the successful diagnosis and treatment of a teenage patient seen in the B-UMCT Emergency Department.

Audrey aided the scheduling of a Saturday morning Fluoroscopy guided lumbar puncture procedure.

The Emergency Medicine faculty member noted that her help was “...pivotal in making the likely diagnosis of cocci meningitis over the weekend...” which enabled the patient to get the proper treatment right away.



Audrey Nisbet, MD

MRI SAFETY TOURS

Kudos and thanks to **Jamie Crooks** and **Tim Kibler** for implementing extra Magnetic Resonance Imaging safety protocols.

DR and IR Residents have been able to sign up for tours of the MR space at Banner-University Medical Center Tucson. These tours provide a lay-of-the-land and review of procedures in place to prevent MRI events.



RLI TAKING THE LEAD PODCAST THE MAN BEHIND THE MICROPHONE



Rasu Shrestha, MD, MBA
Chief Innovation and Commercialization
Officer, Executive Vice President at
Advocate



Geoffrey Rubin, MD, MBA, FACR
Chair and Professor, Medical Imaging
Clinical Service Chief of Medical Imaging,
Banner University Medical Group

► Episode 60:
[A Leadership Maestro](#)

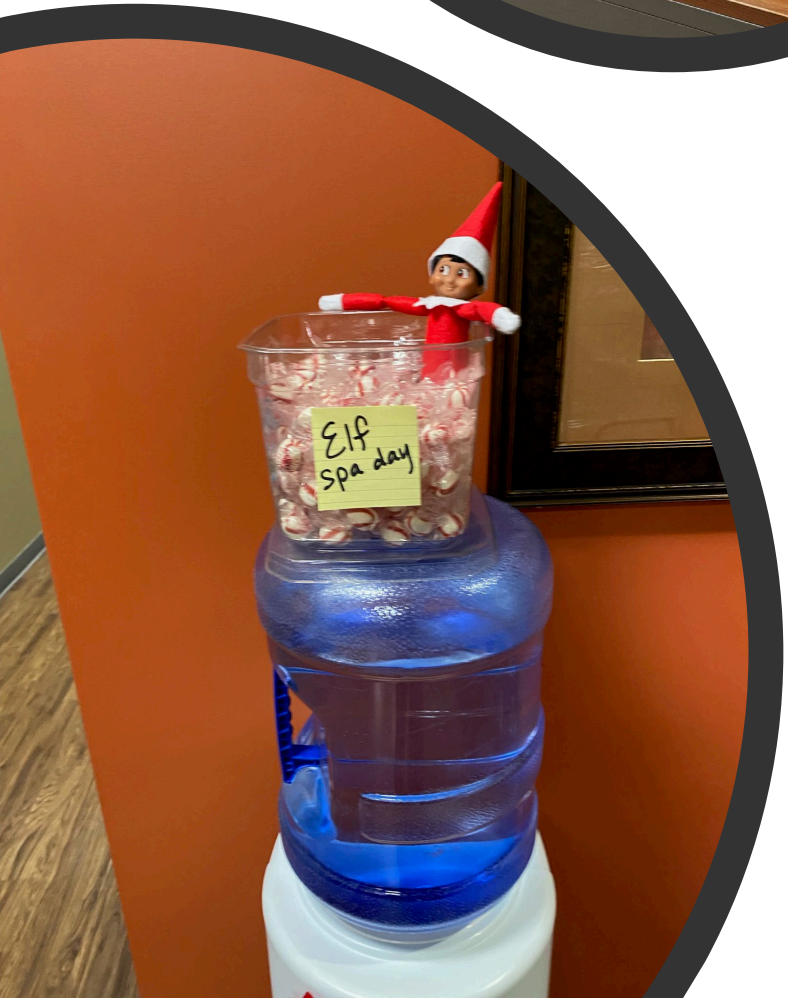


HSIB Fire Alarms = Bonus Time Outdoors



Happy Holidays
from Residency
Program Mascot
George!





Happy Holidays
from
Elf on the Shelf



Banner Cardiac Team



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Year-End
Celebration
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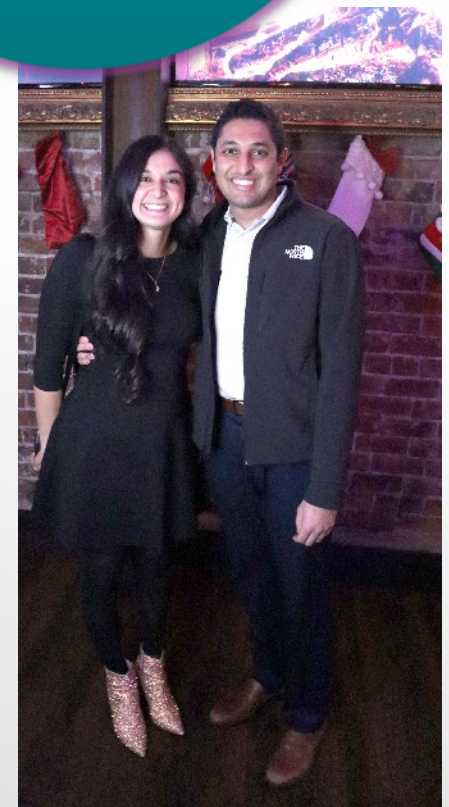


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Year-End
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