



The University of Arizona  
**NATIVE  
AMERICAN  
HERITAGE**

# R & R

## RECOGNIZE & REWARD

# November 2024



Banner  
University Medical Center  
Tucson



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

# IR PROGRAM EXPANSION

Congratulations to our outstanding **Interventional Radiology team** on the recent ACGME approval for a complement increase from 1 to 3 IR-Integrated Residents.

This marks a significant milestone in our program expansion and our efforts to shape the future of Interventional Radiology. We look forward to the growth, innovation, and excellence that this brings to our training and patient care!

Thanks to everyone involved in making this increase a reality including Ina, Dan and Hollie.



From left: Program Director, Gregory Woodhead, MD, with Associate Program Directors, Jack Hannallah, MD, and Lucas Struycken, MD

# PUBLICATION

*Clinical Study*

- ▶ **Including the bowel within the iceball during cryoablation: a retrospective single-center review of adverse events**

Artyom Abramyan, DO, David Schaub, Salil Kalarn, DO, Zachary Fitzgerald, MD, Daniel Goldberg, MD, Jack Hannallah, MD, Gregory Woodhead, MD, PhD, Shamar Young, MD  
*(pictured, right)*

**J Vasc Interv Radiol.** 2024 Oct 28:S1051-0443(24)00681-X

DOI: [10.1016/j.jvir.2024.09.028](https://doi.org/10.1016/j.jvir.2024.09.028)



**This Week in Interventional Radiology**



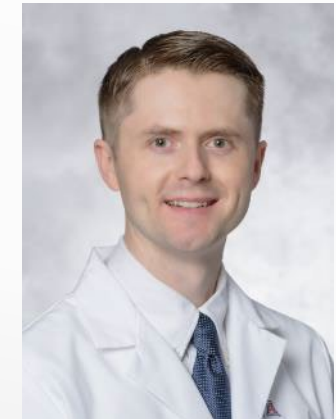
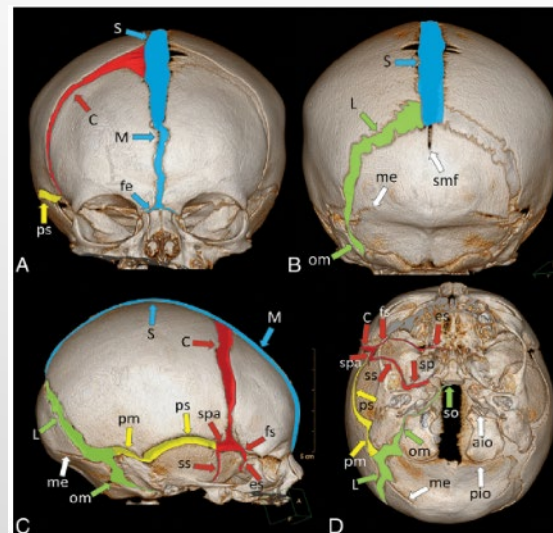
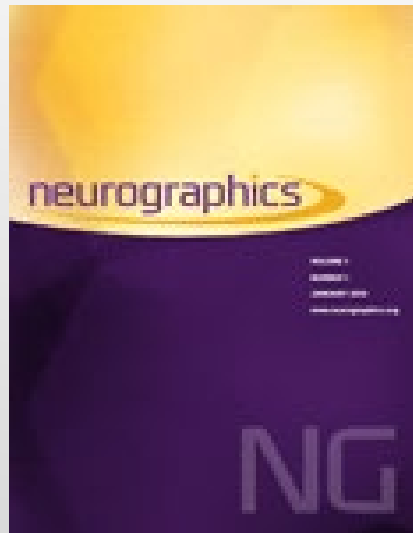
[Doximity](#) recently curated and featured this article in their national Interventional Radiology email blast; terrific exposure and great work IR team!

# PUBLICATION

## ► **Craniosynostosis: A Pictorial Review**

Greenhill, M; Alfonso, G; Frazzitta, A; Chandra, T;  
Udayasankar, U; Rogers, S

**Neurographics**, Volume 14, Number 3, 1 July 2024, pp.  
222-236(15) DOI: <https://doi.org/10.3174/ng.2300057>



(top row) resident alumni: Mark Greenhill, DO,  
Guillermo Alfonso, DO, and Aubrey Frazzitta, MD  
(bottom row) faculty: Unni Udayasankar, MD, and  
Samuel Rogers, MD

# PUBLICATION

## ► Early Detection of Residual/Recurrent Lung Malignancies on Post-Radiation FDG PET/CT

Liyuan Chen, **Avanka Lowe**, and Jing Wang

**Algorithms**, 2024, 17(10), 435

Published: 1 October 2024



<https://doi.org/10.3390/a17100435>



Avanka Lowe, MD  
Nuclear Medicine and  
Theranostics Division



**CONGRATULATIONS!** Dr. Lowe's research was presented the best researcher award from International Research Awards on Advanced Nanomaterials and Nanotechnology



# CONGRATULATIONS CLINICAL TRIAL UPDATE


November 13

Congratulations to  
**Gregory Woodhead, MD, PhD**  
Principal Investigator  
of the Banner/University of  
Arizona [Storm PE Clinical Trial](#).

The first enrollment was a  
tremendous success!

**STORM Watch**

Congratulations to **Dr. Woodhead**  
at **Banner/University of Arizona**

  
on enrolling their 1<sup>st</sup> participant!

Enrolled Participants	Activated Sites	Enrollment Rate
37	14	0.31

**Penumbra**

**STORM-PE TRIAL**



Gregory Woodhead, MD, PhD

# VETERANS DAY 2024

November 11

- ▶ Thank you for your service!  
**Dr. Rosado de Christenson,**  
Cardiothoracic Radiology Division,  
is featured by UAHS.
- ▶ See the [article](#) published on Nov. 7, 2024.

<b>MELISSA ROSADO de CHRISTENSON</b> MD, FACR, FAAWR	
<b>TITLE</b> Professor, Medical Imaging College of Medicine – Tucson	
<b>BRANCH OF SERVICE</b> Air Force	
<b>RANK</b> Colonel	<b>YEARS OF SERVICE</b> 25
<b>VETERANS DAY</b> HONORING ALL WHO SERVED ***	



Melissa Rosado de Christenson,  
MD, FACR, FAAWR

## PACS TEAM SPOTLIGHT

# VETERANS DAY 2024

November 11

▶ Thank you for  
your service

**Melissa Ruiz Montijo!**

▶ As a PACS Analyst III in  
the IT-Clinical Care Corp,  
she is an invaluable  
collaborator,  
consistently providing  
expert support to our  
clinical faculty and  
team.



A graphic celebrating Veterans Day 2024 for Melissa Ruiz Montijo. It features a stylized American flag background with a sunburst pattern. On the left, there are two photos: a portrait of Melissa and a photo of her working at a computer workstation. On the right, a maroon box contains her name and service details.

<b>MELISSA RUIZ MONTIJO</b>	
<b>TITLE</b> PACS Analyst III IT-Clinical Care Corp Banner University Medicine	
<b>BRANCH OF SERVICE</b> United States Navy	
<b>RANK</b> E-4 Petty Officer Third Class	<b>YEARS OF SERVICE</b> 4 years active duty, 4 years IRR
<b>VETERANS DAY</b> HONORING ALL WHO SERVED ***	



Melissa Ruiz Montijo



# NEW BABY

October 31



Congratulations to new parents,  
Salil Kalarn, DO and Sarah Fermawi, MD

Welcome  
**BABY BOY**

**Soshen  
Fermawi  
Kalarn**

October 31, 2024  
8 lbs, 21.5 in

Proud parents  
Sarah Fermawi and  
Salil Kalarn are over  
the moon



# BRAIN AND BODY IMAGING CENTER RESEARCH FORUM

This first annual [Brain and Body Imaging Center](#) (BBIC) research forum was a huge success.

Held at Keating 103, the in-person event featured speakers in Biomedical Engineering, Medical Imaging and Psychology, among others.



**BIO5**  
Institute

**BRAIN & BODY  
IMAGING CENTER**  
*RESEARCH FORUM*

TUESDAY  
NOVEMBER 19<sup>th</sup>  
2024

## MI Presentations

**Geoffrey Rubin, MD, MBA, FACR**  
Chair, Medical Imaging, presented  
*Medical Imaging Research:  
Innovation to Inform Patient Care*

**Alan Chiang, MD, PhD**  
Division Chief Breast Radiology,  
presented  
*Discoveries in Breast Imaging with  
Breast CT and MRI*

# Arizona Radiology Society (ARS) Annual Meeting

November 9



- ▶ The [Arizona Radiology Society \(ARS\)](#) annual meeting was recently held at the Bob Bovè Neuroscience Institute at HonorHealth Osborn Hospital in Phoenix.
- ▶ COM-T Department of Medical Imaging Chair Geoffrey Rubin, MD, MBA, FACR, (pictured at the podium) participated as invited speaker.
- ▶ Photos are credited to Ralph Drosten, MD, who serves as Chair of the ARS Bylaws Committee and as the ARS CAC representative to Noridian.



# Celebrating **Rad Tech Week** 2024 at B-UMCS, B-UMCN, UMI and B-UMCT Nov. 4 - 8

We honor the dedication, expertise, and compassion of our radiologic technologists who play a vital role in patient care. Their hard work and commitment ensure that our department runs smoothly and that patients receive the highest quality imaging services. *Thank you to our **amazing techs!***



**HAPPY  
RAD TECH WEEK**

**WE APPRECIATE  
ALL YOU DO!**

**Nov. 4 - 8, 2024**

 Banner  
University Medical Center

 THE UNIVERSITY OF ARIZONA  
COLLEGE OF MEDICINE TUCSON

**Medical Imaging**

# GRAND ROUNDS

November 8



**SANTIAGO MARTINEZ-JIMENEZ, MD**

Professor of Radiology  
NYU Grossman School of Medicine

*Streptococcus pneumoniae*



## Pneumonia for the General Radiologist

- Friday, November 8, 12 - 1 pm
- COM-T 2117 and Zoom



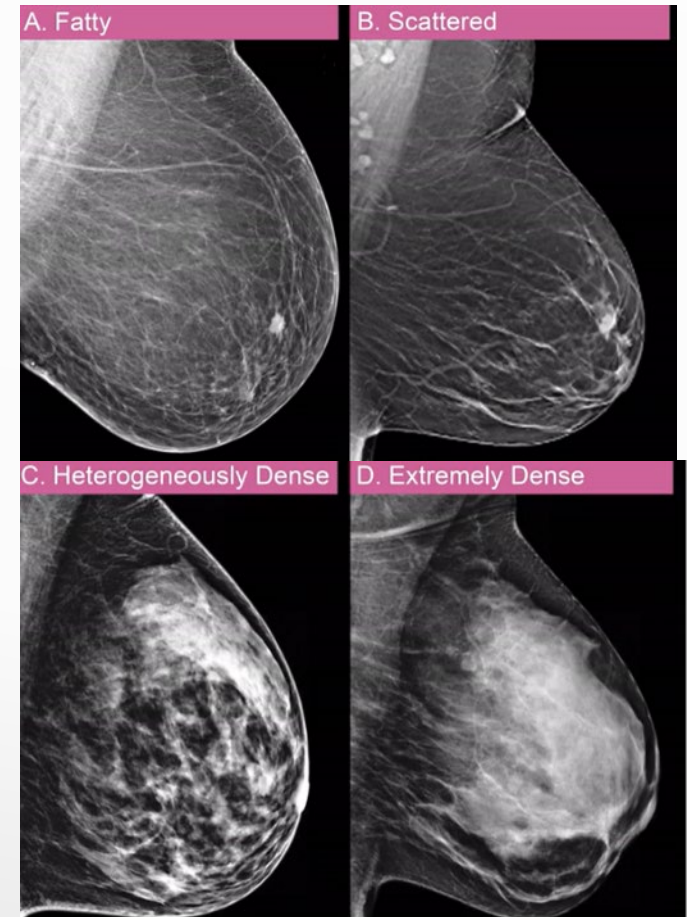
View the presentation  
with U of A NetID

- ▶ Guest speaker [Santiago Martinez-Jimenez, MD](#), gave an excellent cardiothoracic radiology grand rounds.
- ▶ Scan the QR code to watch the video if you missed the live presentation.

# INNOVATION STORIES: BREAST IMAGING

CLINICAL TRIAL, MRI RESEARCH and ENHANCED REPORTING

- ▶ Division Chief Alan Chiang, MD, PhD, and team, in collaboration with University of Arizona researchers, continues work on the groundbreaking Renaissance clinical trial studying the effects of tamoxifen in preventing breast cancer in high density patients. Working with Maria Altbach, PhD, the RADGRASE MRI technique provides beneficial breast density mapping and assessment information. Future collaborations with Dr. Altbach's team are anticipated.
- ▶ In a significant stride last year, the team introduced a cuttingedge software tool that enhances the precision of breast density quantification and cancer risk assessment. This innovation not only improves patient care but also streamlines patient tracking and results letter management. It ensures full compliance with the new national FDA guidelines, which mandate that all mammograms include a breast density statement.
- ▶ These efforts underscore the team's dedication to advancing research, improving diagnostics, and enhancing patient outcomes.



Breast density images and examples  
©DenseBreast-info.org and Wendie Berg

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## NEW DR and IR PROGRAM VIDEOS


- ▶ Thank you to the Residency Program team and everyone involved in creating and recording the new Diagnostic Radiology and Interventional Radiology recruitment videos.
- ▶ Find the new videos on the current [Residency Programs](#) page of our website. They are also featured on our departmental [YouTube](#) channel.







Construction Update  
November 15, 2024



 Green: Old entrance to the faculty offices  
AHSC room 1343

 Red: Note table for orientation to  
identify the space that was formerly  
the faculty offices hallway

 Yellow: View of the new and  
expansive meeting space



# RESIDENT SPOTLIGHT

What is it like being a Co-Chief in the IR– Integrated program? How does this compare to last year?

It's busy! It's a rapidly growing service and with fewer fellows than last year there are plenty of big cases to go around!

What is on the horizon after graduation?

I will be staying in Tucson and working in IR/DR practice.

## 3 fun facts

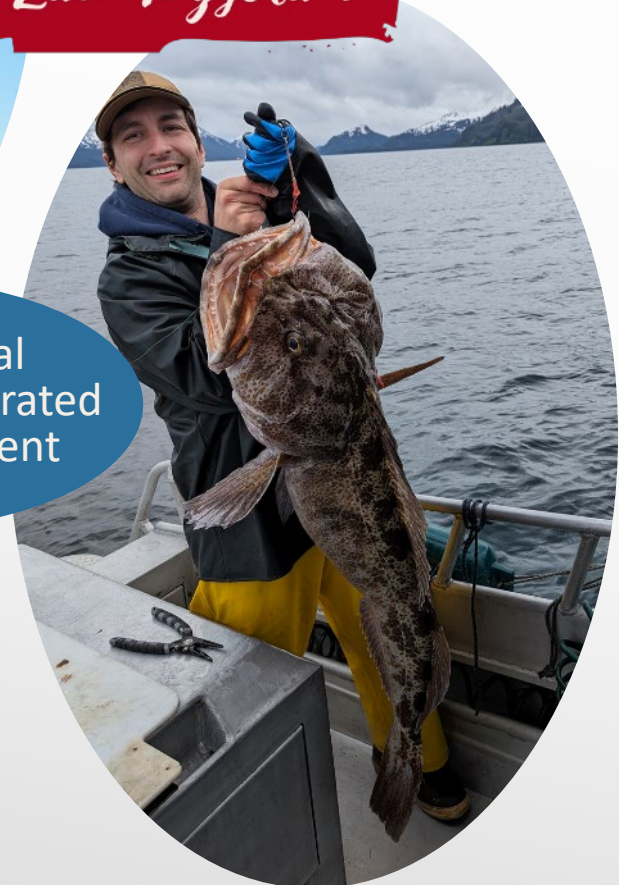
1. I'm from Alaska.
2. I like to scuba dive.
3. I have hiked the [Kalalau Trail](#).

What are you going to miss about Tucson or the program here?

I'll miss having co-residents to commiserate with.



*Zach Fitzgerald*



Interventional  
Radiology - Integrated  
Co-Chief Resident



# RESIDENT SPOTLIGHT

What is it like being a Co-Chief in the IR– Independent program? How does this compare to last year?

A bit more responsibility with more ownership of the day-to-day activities of the service.

What is on the horizon after graduation?

After graduation, my family and I will be moving back to Phoenix, AZ. I will be working private practice in the Surprise/Sun City area doing both IR and DR.

## 3 fun facts

1. I am an avid golfer, spend lots of time with residents, techs and nurses on the golf course.
2. -Huge Arizona sports fan (every AZ team except the Devils)
3. -Spend most of my weeks being a sports dad

What are you going to miss about Tucson or the program here?

I will miss the golf, the minimal traffic and my peers/attendings.



Philip Losada

Interventional  
Radiology - Independent  
Co-Chief Resident





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## Behind the Scenes: Filming the New Program Videos

Filming took place at the BioCom studio and on an outdoor patio of the Health Sciences Innovation Building (HSIB). Heartfelt thanks to Dr. Struycken, Dr. Rubin, Gilberto Vega, Michele Dalmendray, Dr. Lee, Janet Black, and Ina Rios for their contributions as interview subjects, producers, videographers, and content creators.

A special note of gratitude goes to all the faculty and residents who participated in this project!



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## Behind the Scenes: Filming the New Program Videos

Filming took place on the 5<sup>th</sup> floor of the Health Sciences Innovation Building (HSIB). Above: heartfelt thanks to Dr. Miller, Drs. Kristin and Hunter Jecius and Dr. Davison who sat for interviews, pictured.

A special note of gratitude goes to all the faculty, residents, fellows and staff who participated in this project!



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## Behind the Scenes: Filming the New Program Videos

Filming took place on the 5<sup>th</sup> floor of the Health Sciences Innovation Building (HSIB). Above, heartfelt thanks to Dr. Nisbet, Dr. Bhandari, Dr. Owens and Dr. Ngoy who sat for interviews, pictured.

A special note of gratitude goes to all the faculty, residents, fellows and staff who participated in this project!