

R & R

RECOGNIZE & REWARD

April 2023

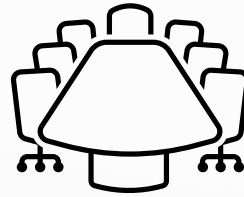


Banner
University Medical Center
Tucson

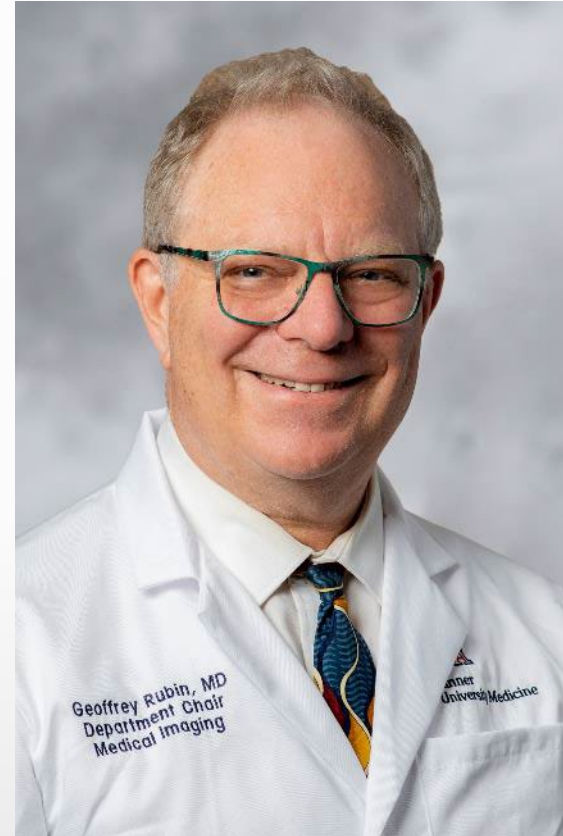


THE UNIVERSITY OF ARIZONA
COLLEGE OF MEDICINE TUCSON
Medical Imaging

CONGRATULATIONS



Dr. Geoffrey Rubin joined the Executive Committee and was appointed Treasurer of the AUR

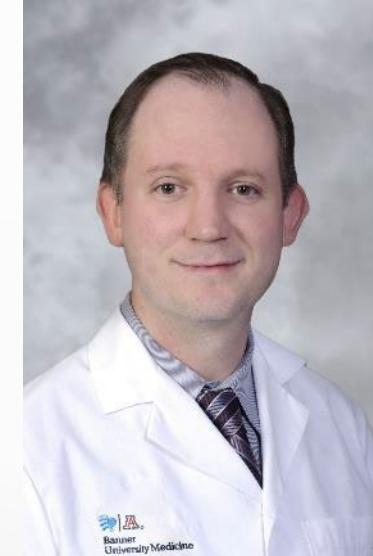
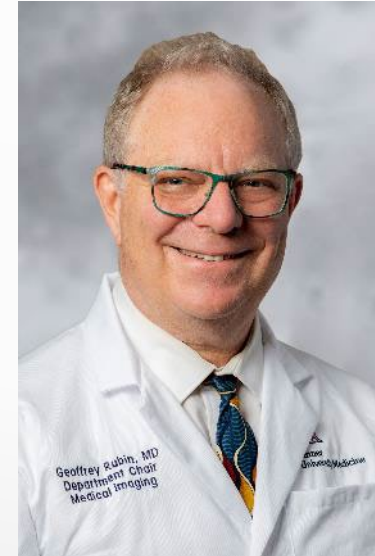


Geoffrey Rubin, MD, MBA, FACR

TOP DOCTORS 2023

Congratulations to the
Medical Imaging
Castle Connolly Top Doctors
named for
Banner – University Medical
Center Tucson

- ▶ Dorothy Gilbertson-Dahdal, MD
- ▶ Geoffrey Rubin, MD, MBA, FACR
- ▶ Charles Hennemeyer, MD



CASTLE CONNOLLY
TOP DOCTORS®



NAFLD GRANT COLLABORATION MEETING

Maria Altbach, PhD, hosted a group research meeting March 29 – 30. Members from UArizona, Siemens and UCLA met in Tucson, kicking off their collaboration, and commencing work centered around the Nonalcoholic fatty liver disease NIH Grant.

Aside from MR Research scanner work, visitors were able to experience a small taste of the Old Pueblo. Above, the team is pictured concluding the meeting via dinner at El Charro and a Sabino Canyon hike.

CLINICAL RESEARCH RAMPING UP

The **Interventional Radiology** team has multiple Grants currently in process for activation. Work in conjunction with these clinical trials will begin soon.

Recently activated was a clinical trial initiated by **Greg Woodhead** (designated PI). He and the IR team were selected to work on a Phase II study involving patients with Unresectable Hepatocellular Carcinoma (HCC).



Greg Woodhead, MD, PhD

ASNR Webinar



Aubrey Frazzitta, MD

4th year Resident Aubrey Frazzitta, was invited to present an ASNR Webinar titled *Diversity & Inclusion Matters: The New Interview Paradigm: Challenges and Opportunities*



A composite graphic for the ASNR webinar. It features a grid of six video call windows. The top-left window shows a woman in a hijab. The top-right window shows Aubrey Frazzitta. The bottom-left window shows a woman with dark hair. The bottom-right window shows a man. The central text reads: "ASNR NEURORADIOLOGY WEBINAR SERIES" in a blue banner, followed by "Diversity & Inclusion Matters: The New Interview Paradigm: Challenges and Opportunities" in bold black text. To the right is a QR code with the text "Scan the QR Code to Register!". Below the QR code, it says "Moderated by Ranliang Hu, MD & Ozden Bulut, MD" and "Presented by Karol Cardenas, MD, Aubrey Frazzitta, MD, Erik Gaensler, MD, Sara Tedla, MD". A blue box on the right contains the date and time: "WEDNESDAY, MARCH 22 4:00 PM EDT". At the bottom right, it says "Questions? Email us! education@asnr.org".

NEW STAFF

- ▶ **Mary Stuart** has graciously offered to volunteer her time with the Administrative Office on a part-time basis. She is a former member of the Department of (Radiology) circa 2000 - 2005.
- ▶ **Suzanne Gould** works directly with Dan Crawley and Jane Pruitt having joined MI from Catalina Foothills School District #16
- ▶ **Ina Rios** joined MI on April 17 and works with the Residency Program. She was previously with office of Graduate Medical Education.

The graphic features a blue background with white text and three circular portraits of the new staff members. The text 'Welcome TO THE TEAM' is at the top. Below it is the 'A' logo of the College of Medicine Tucson and the text 'COLLEGE OF MEDICINE TUCSON Medical Imaging'. The three portraits are arranged horizontally. Below each portrait is the name in a script font and the title in a sans-serif font. The graphic is decorated with white and red dots.

Welcome
TO THE TEAM

 COLLEGE OF MEDICINE TUCSON
Medical Imaging


Mary Stuart
Administrative Volunteer


Ina Rios
Program Coordinator, Sr.


Suzanne Gould
Administrative Assistant





DIVISION HIGHLIGHTS EMERGENCY RADIOLOGY

Division Highlights

Emergency Radiology

Team

Emergency Radiology is divided into three roles: Neuroradiology, General Radiology and Overnight Coverage

Faculty

NEURO ER (1:00 pm – 10:00 pm)

- Chris Ardary, MD
- Devdutta Warhadpande, MD

GENERAL ER (2:00 pm – 11:00 pm)

- Charles Hennemeyer, MD
- Mihai Iancu, MD

OVERNIGHT ER (Schedule TBA)

- Artyom Abramyan, MD (July 1, 2023)

Objective

- Support is provided specifically for the Emergency Room patients and physicians in all areas of Diagnostic Radiology
- Faculty provide a time-based backup when overflow occurs and on hand support for diagnosis
- Turnaround times are expedited to improve clinical decision making

Benefits

- Emergency Radiology Service contributes to improved patient care and support for Medical Student education
- Improved integration with a subspecialty-based trend
- Operational efficiencies continue to improve

DR AND IR RESIDENCY PROGRAMS 2023



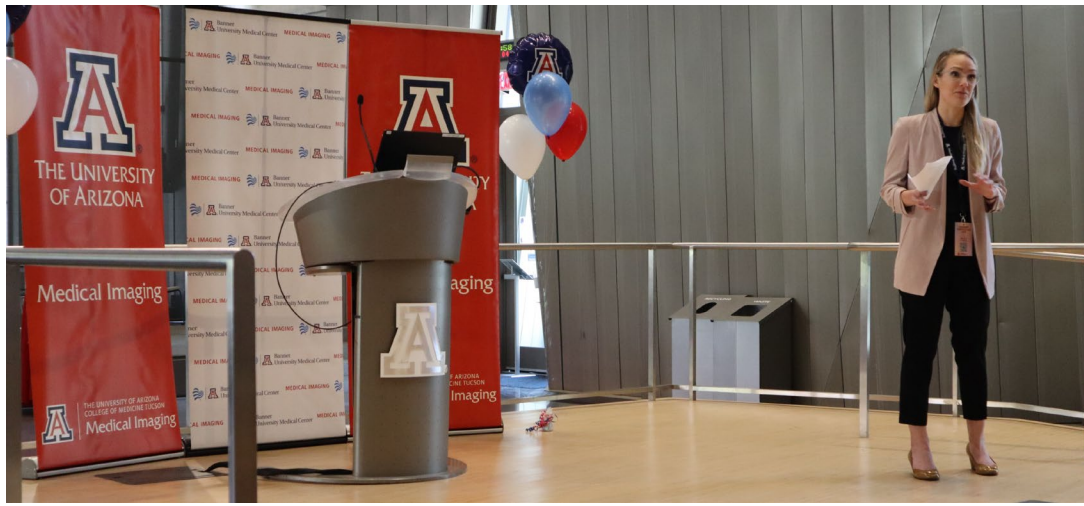


RESIDENT RESEARCH DAY

APRIL 4, 2023

Find the recorded
submittals on
the UArizona
Medical Imaging
[YouTube](#) channel





**RESEARCH
MEANS
HOPE**

RESIDENT RESEARCH DAY 2023

**APRIL 4, 11:30 - 1 pm
HSIB Forum**

**Medical
Imaging**

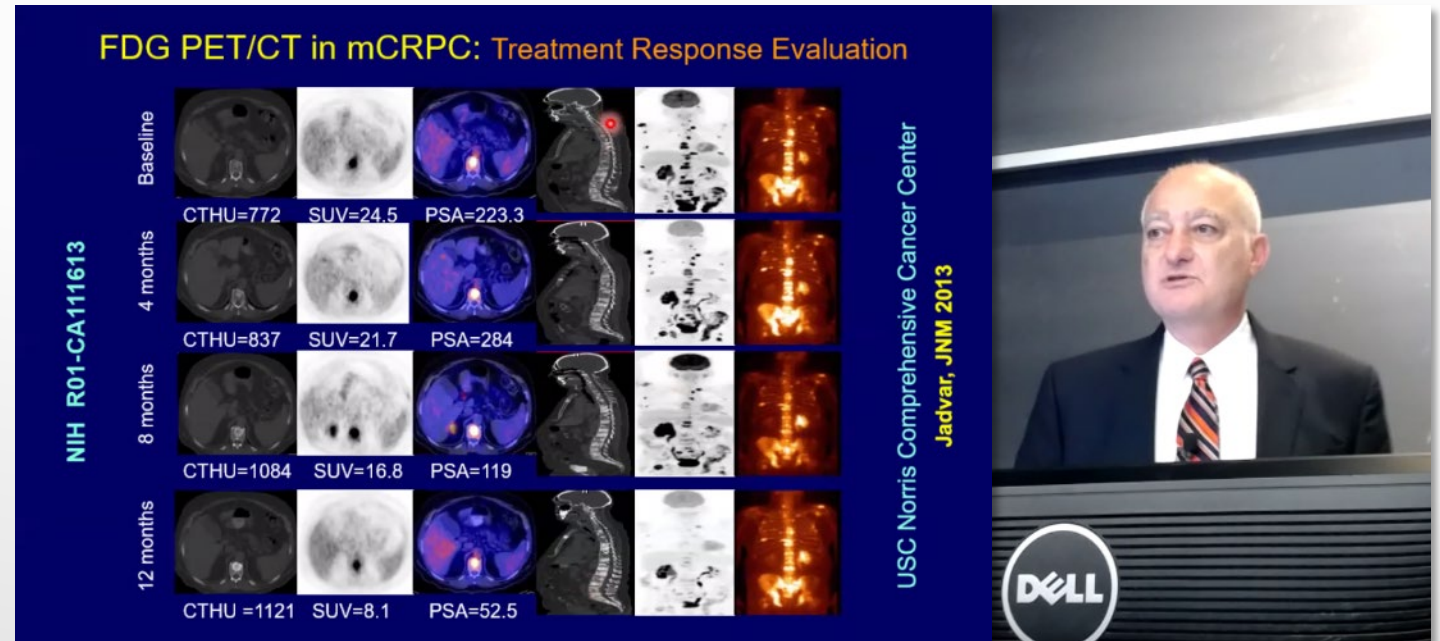
GRAND ROUNDS



APRIL 26, 2023
IN PERSON EVENT

- ▶ **Hossein Jadvar, MD, PhD, MPH, MBA, FACNM, FSNMMI**, Professor of Radiology, Urology & Biomedical Engineering, University of Southern California presented *Prostate Cancer Theranostics: A Journey from Actinium to Zirconium*

- ▶ View the presentation [here](#)



RESEARCH DIVISION

Publications and Contributions

- ▶ *Thermal and Acoustic Stabilization Of Volatile Phase-Change Contrast Agents Via Layer-By-Layer Assembly*
Ultrasound in Medicine & Biology

Pedro Enrique Alcaraz, Skylar J. Davidson, Evan Shreeve, Rainee Meuschke, Marek Romanowski, **Russell S. Witte**, Thomas R. Porter, **Terry O. Matsunaga**

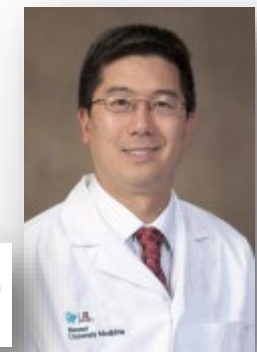


- ▶ *Transcranial acoustoelectric imaging: Towards noninvasive mapping of current densities in the human brain*
Journal of the Acoustical Society of America

Russell S. Witte; Margaret Allard; Teodoro Trujillo; Alex Alvarez; Chet Preston; Jinbum Kang; Matthew O'Donnell



- ▶ **Dr. Phillip Kuo** named American Roentgen Ray Society Instructional Course Section Chair for Nuclear Medicine



Phillip Kuo, MD, PhD, FACR


UAHS EQUITY DIVERSITY AND INCLUSION SPEAKER SERIES

APRIL 26, 2023
VIRTUAL EVENT

- ▶ **Terry Matsunaga, PharmD, PhD**, was invited to speak about Autism Awareness. He presented “*Autism Spectrum Disorders: What We Have Learned and What We Do*”
- ▶ View his presentation [here](#)
- ▶ Stay tuned for more upcoming events by visiting [UAHS Speaker Series Events](#)

**AUTISM SPECTRUM DISORDERS (ASD):
WHAT WE HAVE LEARNED AND WHAT WE DO.**

TERRY O. MATSUNAGA, PHD
Professor, Medical Imaging; Adjunct Professor Biomedical Engineering, The University of Arizona




THIS TALK WILL PROVIDE:


1. information on ASD;
2. and what we have done here at the University to promote growth of those with ASD.


April 26
11 a.m.-12 p.m.
Virtual

RSVP bit.ly/3TF7MzJ
to receive a zoom link



AUTISM



 THE UNIVERSITY OF ARIZONA HEALTH SCIENCES
Equity, Diversity
& Inclusion

ANNUAL MEETING: ARRS 2023

- ▶ Resident Symposium: Academic and Private Practice
Melissa Rosado De Christenson, MD, FACR, FAAWR
- ▶ Award-Winning PPT Exhibits – PD and VIR and Moderator for Pediatric Imaging - **Unni Udayasankar, MD**
- ▶ Award-Winning PPT Exhibits - NM and AI, **J Lee and C Sabottke**
- ▶ Optimizing Convolutional Neural Network Output Styles for Efficient Chest Radiograph Dictation **C Sabottke**
- ▶ Artificial Intelligence: New Computer Learning for Medical Students, Residents and Radiologists **C Sabottke**
- ▶ Novel Approaches for Learning Radiology Artificial Intelligence for Medical Students, Residents and Radiologists New to Computer Programming **C Sabottke**
- ▶ Diffusion Abnormalities in the Pediatric Patient with Acute Abdominal Pain **A Fazel**
- ▶ Multiparametric MRI Characterization for Diagnosing Acute Cholecystitis **G Duhancioglu**
- ▶ MR Imaging of Early Parenchymal Complications of Renal Allografts: Added Value of DWI to Dynamic Contrast Enhanced MR and T2W Imaging. **Gupta K, Duhancioglu G, Tiwari H**



Residents/Fellows presenting at ARRS 2023: Audrey Fazel, Carl Sabottke and Jason Lee – not pictured: Gabriel Duhancioglu and Kanika Gupta

ANNUAL MEETING: AUR 2023

MI faculty, residents and staff participated in AUR 2023 held in Austin, TX, April 25 - 28

Geoffrey Rubin, MD, MBA, FACR

- ▶ Advancing Your Health Services Research Career: A Panel Discussion
- ▶ AUR Swimming with the Sharks: A Radiology Research and Education Competition - Moderator

Hina Arif-Tiwari, MD, FSAR

- ▶ LEAD Program

Chris Miller, MD

- ▶ DR Program Director and Medical Student Education

Janet Black, C-TAGME

- ▶ APCR Association of Program Coordinators in Radiology

Audrey Fazel - PGY-3

- ▶ ARRALD Program

Dan Destiche - PGY-5

- ▶ Chief Resident & Resident Programming



KEYNOTE SPEAKER



Shamar Young, MD, was invited to be a keynote speaker of the **2023 Collaborative Conference** co-hosted by the Veterinary Cancer Society (VCS) and Veterinary Society of Surgical Oncology (VSSO).

Dr. Young presented “The Bleeding Edge: Innovation in Interventional Oncology and Future Directions” to lead the Interventional Oncology session.



RESIDENT SPOTLIGHT



**Abdul
Khan**

Where do you call home?

Chicago

What inspired you to become a Radiologist?

I prefer minimally invasive procedures, which are abundant in radiology as opposed to surgery. Combining the knowledge of medicine, procedural skills, and an understanding of anatomy allows better clinical care.

What is on the horizon after graduation?

IR Fellowship at Northwestern University

Share three fun facts about yourself

- 1) I have/am an Irish twin.
- 2) I had to ask two co-residents to pull cactus spines out of my rear after falling on a cactus.
- 3) I have sat on the Game of Thrones Iron throne in Dubrovnik.





Grace Renshaw, MD

RESIDENT SPOTLIGHT x2

Where do you call home?
Alaska

What inspired you to become a Radiologist?

Radiologists see the most interesting cases in the hospital. We enjoy the wide variety and the ability to collaborate with physicians across multiple disciplines.

What is on the horizon after graduation?

Tucson has been fun for the last 5 years, (DR Residency + MSK Fellowship-Grace and Neuroradiology Fellowship-Ben) but we are excited to be heading home to Alaska

Share three fun facts about yourselves

- 1) We went to grade school together.
- 2) We enjoy spending time outdoors with our 9-year-old son.
- 3) During fellowship, one of us walked 812 miles on their desk treadmill.



Ben Renshaw, MD

Grace & Ben

TAKING THE LEAD PODCAST



Janes A. Brink, MD, FACR

▶ **Leading with Empathy**



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



@geoffrubin

DIVERSITY, EQUITY AND INCLUSION

MI DEI Scholarship for Visiting Medical Students

Applications due
May 15, 2023

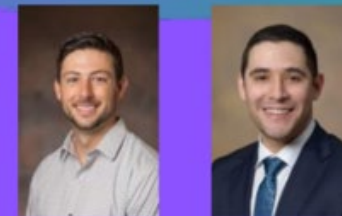


Order Wildcat Pride Gear



Details found on
the [ODEI website](#)

A special THANK YOU to
Dr. Dallin Christensen and Austin Pickrell
of Medical Imaging for your vision on this
project!



Additional Images

from

RESEARCH DAY



**Dr. Geoffrey Rubin and
Dr. Hina Arif-Tiwari**
were invited to participate
as Moderators during the
COM-T Research Day Event

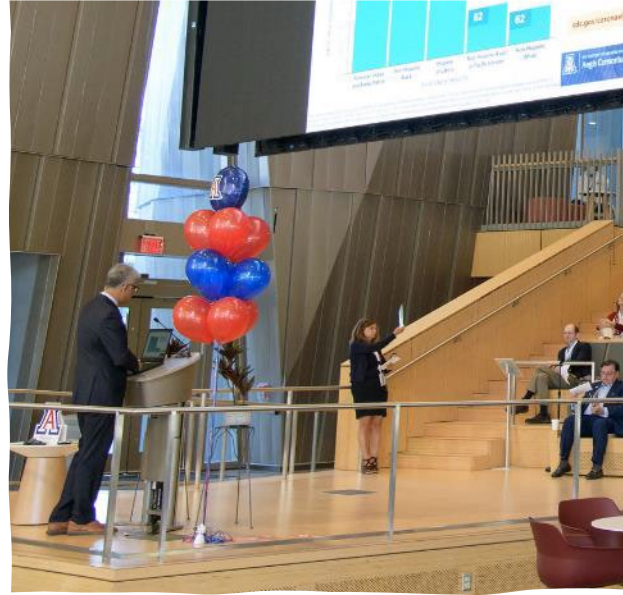
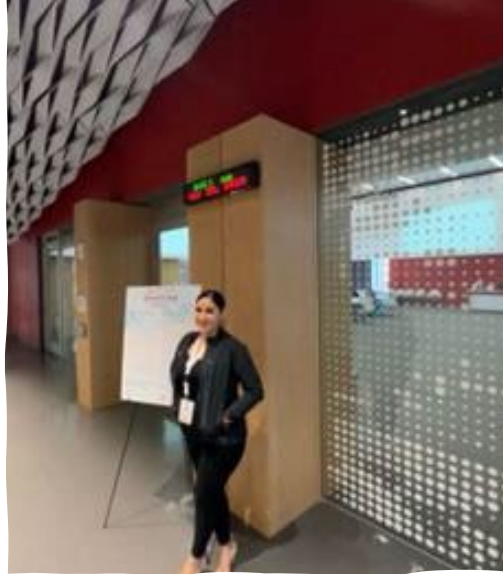
Find all recorded sessions [here](#)



Additional Images

from

RESEARCH DAY



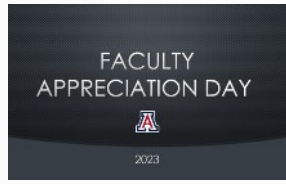
STAFF VOLUNTEERS

Anita Foley,
Jennifer Fischahs
& Melissa Ruiz
helped during
COM-T Research
Day held on
March 29th



Additional Images

from



Medical Imaging

FACULTY APPRECIATION Event

Mar 31 • 12 noon
Tower 1 rm 201

sponsored by

Women in Radiology
Medical Imaging




SOCIAL

We want to follow you!
[UAZMedImaging](#), [UofAZRads](#) or
[UofAZRads](#) [instagram]




UA College of Medicine – Tucson Retweeted your Tweet

Our @ArizonaVIR @UofAZRads & @UAZMedImaging faculty, residents and post-grads are already looking forward to participating again in 2024!
pic.twitter.com/H6gRhu7yMi

 **UArizona Department of Medical Imaging**
 @UAZMedImaging

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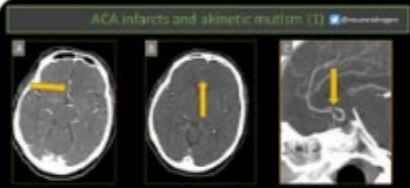


 **Samuel Rogers** @NeuroradRogers · 23h

ACA infarct... no big deal? Think again! ACA occlusion is scary-easy to miss on CTA and can be devastating. Here are some tips and things you need to know, including the feared complication of akinetic mutism


#stroke #radres #neurorad #FOAMed

ACA infarcts and akinetic mutism (1)




On CTA/MRA, the filling defect is often subtle on axial images (A), with a single vessel seen more distally (B). Often more obvious on sagittal MIP (C).

ACA infarcts and akinetic mutism (2)



ACA infarcts involve the **supplementary motor cortex**, **legalsite gyrus**, and sometimes the **midline sylvian fissure**, all indicated in akinetic mutism. Note that the **precentral gyrus** is often spared.

ACA infarcts and akinetic mutism (3)



This patient had complete right body hemiparesis, severe left sided weakness, and was minimally verbal at discharge, all findings consistent with **akinetic mutism**.

ACA infarcts and akinetic mutism (4)

Take home points:

- Double and triple check the ACA vasculature in every imaging plane!
- Sagittal MIPs may be helpful!
- ACA infarction is a big deal... more than just contralateral lower extremity weakness!
- May be devastating and develop into **Akinetic mutism**:
 - On the spectrum of **Abasia Major**, patients lose the will to live, eat, or speak.
- Some institutions treat ACA thrombus with thrombectomy!

1 25 71 6,592

AUR Retweeted

 **UArizona Department of Medical Imaging** @UAZMedImaging · Apr 26

Thank you @hinatanmay and Dr. Chris Miller for representing @UAZMedImaging Abdominal Imaging at #AUR23. They join Chair @GeoffRubin, two @UofAZRads Residents and our Sr. Program Manager.

