Have an announcement? contact Jennifer Fischahs
NEW FACULTY

Sridhar Shankar, MD, MBA
Medical Director of Radiology Operations

Abdominal Imaging Division

R & R February 2020

Welcome
WE'RE GLAD YOU'RE HERE!

College of Medicine Tucson
Medical Imaging
NEW PHOTOS

Kevin Johnson, BA
Director
MRI Systems & Design

Philip D. Davia, MS, PA-C
Interventional Radiology
Physician Assistant
CONGRATULATIONS RESEARCHERS

Medical Imaging Collaboration Findings
Published in IEEE

Joint Optimization of Collimator and Reconstruction Parameters in X-ray Fluorescence Computed Tomography Using Analytical Point Spread Function and Model Observer

Authors: Hsin Wu Tseng, Srinivasan Vedantham, Sang Hyun Cho, Andrew Karelias

This research is aimed at improving the imaging of heavy element nanoparticle-based compounds in small animals or biological tissues. Such compounds typically incorporating small amounts of gold are being investigated by many laboratories around the world as cancer therapy agents. Their effectiveness and biodistribution is tested typically in preclinical trials using laboratory mice. Our laboratory in the Department of Medical Imaging at the University of Arizona College of Medicine has been collaborating with the MD Anderson Cancer Center, Houston TX, on the development of x-ray fluorescence computed tomography (XFCT) techniques for imaging these agents at high resolution. Our recent publication reports on the design of a component (collimator) of the high-resolution emission XFCT imaging system which is under development at MD Anderson along with image reconstruction. This collimator is a device that enables collection of the useful x-ray fluorescence signal from deep tissues to form 3D x-ray fluorescence images fused with x-ray CT images. The results of this publication provided useful insight on the design of the XFCT imaging device.

This research has been funded by NIH grant R01 EB020658. Dr. Sang Cho, MD Anderson Cancer Center with subaward to Dr. Andrew Karelias and Dr. Srinivasan Vedantham at UA. Dr. Hsin Wu Tseng is a co-investigator in this grant.
February 19, 2020

“Artificial Intelligence and Machine Learning in Radiology: A Reality Check”

Paul Chang, MD, FSIIM
Professor, Radiology
Vice Chair, Radiology Informatics
Department of Radiology, University of Chicago

*To access this video with your NetID, please email bernardb@email.arizona.edu

Panopto Link to presentation*
The new Medical Imaging sign was recently installed in Faculty Offices, Tower 4, room 1343.
CONGRATULATIONS

ABDOMINAL FELLOWSHIP
Annual Institutional Review Results
★ PROGRAM IN GOOD STANDING

<table>
<thead>
<tr>
<th>Program: ABDOMINAL RADIOLOGY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Director: Hina Arif, MD</td>
</tr>
<tr>
<td>Associate Program Director(s): N/A</td>
</tr>
<tr>
<td>Program Length: 1 year</td>
</tr>
<tr>
<td># Approved Positions: 2</td>
</tr>
<tr>
<td>Prior Training Required: Yes</td>
</tr>
<tr>
<td># Filled Positions: 2</td>
</tr>
<tr>
<td># Temporary Positions: N/A</td>
</tr>
<tr>
<td>Primary Teaching Site: Banner University Medical Center-Tucson</td>
</tr>
<tr>
<td>Required Participating Sites:</td>
</tr>
<tr>
<td>Program Letters of Agreement (PLA): Up to 30</td>
</tr>
<tr>
<td>ACCME Accreditation Status: Continued Accreditation</td>
</tr>
<tr>
<td>Self Study Dates: 01/01/2020</td>
</tr>
<tr>
<td>20 Year Site Visit: 01/01/2031</td>
</tr>
<tr>
<td>ACCME Citations/Concerns: Faculty Attraction</td>
</tr>
</tbody>
</table>

Hina Arif, MD
**CONGRATULATIONS**

**NEURORADIOLOGY FELLOWSHIP**
Annual Institutional Review Results

⭐ **PROGRAM IN GOOD STANDING**

<table>
<thead>
<tr>
<th>Program:</th>
<th>NEURORADIOLOGY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Director:</td>
<td>Unni Udayasankar, MD</td>
</tr>
<tr>
<td>Associate Program Director(s):</td>
<td>N/A</td>
</tr>
<tr>
<td>Program Length: 3 year</td>
<td>Prior Training Required: Yes</td>
</tr>
<tr>
<td># Approved Positions: 3</td>
<td># Filled Positions: 3</td>
</tr>
<tr>
<td>Primary Teaching Site:</td>
<td>Required Participating Sites:</td>
</tr>
<tr>
<td>Banner University Medical Center-Tucson</td>
<td></td>
</tr>
<tr>
<td>ACGME Accreditation Status:</td>
<td>Self Study Date: 01/01/2029</td>
</tr>
<tr>
<td>Continued Accreditation</td>
<td>10 Year Site Visit: 01/01/2031</td>
</tr>
</tbody>
</table>

ACGME Citations/Concerns:
- Procedural Experience
- Program Curriculum
CONGRATULATIONS

VIR FELLOWSHIP*
Annual Institutional Review Results

★ PROGRAM IN GOOD STANDING

*This is final academic year for the VIR Fellowship.
Kamalani Hanamaikai, DO checks in on his patient after a long and successful IR procedure.
Kimberly Winsor, MD is thorough and informative with the medical students attending her lecture.
RESIDENTS

Dr. Gilbertson reviews a case with 1st-Year Resident Daniel Destiche
RESIDENTS

2nd – Year Resident
David Sawyer reviews a case
MEDICAL IMAGING SPRING EVENT

HAPPY HEARTS FOR DM
Westward Look

2-8-20
MEDICAL IMAGING SPRING EVENT
MEDICAL IMAGING SPRING EVENT

HAPPY HEARTS FOR DM 2-8-20
Westward Look
MEDICAL IMAGING SPRING EVENT

HAPPY HEARTS FOR GM
Westward Look 2-8-20

R & R

COLLEGE OF MEDICINE TUCSON
Medical Imaging
MEDICAL IMAGING SPRING EVENT
MEDICAL IMAGING SPRING EVENT
MEDICAL IMAGING SPRING EVENT

HAPPY HEARTS FOR CM 2-8-20
Westward Look
WORKSHOP

“Negotiations: Embrace Your Value!”

Tuesday, March 3rd
5 – 6:30 pm
COM-T Rm 3117

Presented by UAHS
Office of Diversity &
Inclusion
RSVP online
FACULTY APPRECIATION EVENT

Remember to register **online** to attend
Sunday, March 8th
3 pm – 6 pm

Tucson Botanical Gardens
Register online for a dossier preparation workshop provided by the Office of Faculty Affairs.

**FACULTY P&T WORKSHOPS**

**Clinical Scholar & Clinical Series Tracks**
- **Tuesday, March 24th**
  - 7:00 am – 8:00 am
  - or
- **Thursday, April 16th**
  - 12:00 noon – 1:00 pm

**Tenure, Research & Educator Tracks**
- **Friday, March 27th**
  - 12:00 noon – 1:00 pm
  - or
- **Monday, April 27th**
  - 7:00 am – 8:00 am
NEW UAHS WEB PLATFORM

• Launch date March 4, 2020
• Destination for UAHS news, events & announcements
• Replaces daily emails from UAHS
EMAIL.ARIZONA.EDU NOW @ARIZONA.EDU

NO ACTION required

- Effective March 10, 2020 UAConnect365 will SEND AS @arizona.edu
- Follows Sept. 19th, 2019 change of RECEIVE AS @arizona.edu
- Applies to: Faculty, Staff, DCCs, Student Worker Catworks, Emeritus
- Does NOT apply to: Retirees, Students, Alumni
- No change to @radiology.arizona.edu addresses
- Any login using full email.arizona.edu address – continue until later phase tba
- New hires will get both arizona.edu and email.arizona.edu addresses

MORE INFO https://it.arizona.edu/email-projects
CONSTRUCTION UPDATES

• MRI 2 – transitioning to Tower 1, open in March

• DuVal Auditorium – renovations continue, completion scheduled for April
R&R IS ON THE WEB

- Find the R&R slides on DMI web medicalimaging.medicine.arizona.edu

- Contact Jennifer Fischahs with your announcements