Pilot Grant from UC Brain Tumor Center for Investigation of NR Techniques

The UC Brain Tumor Center’s Molecular Therapeutics Program has awarded a $100,000 pilot grant to support Drs. Mary Gaskill-Shipley and Jinghua Wang as principal investigators for their project, “Tumor Normal Contact Enlarged MRI Protocol for Detecting Small Brain Metastases.” Our multidisciplinary co-investigator team includes Drs. Achala Vagal, Michael Lamba, Lily Wang and Bing Zhang. The major goal of this project is to develop novel magnetic resonance techniques to optimize spatial resolution for improving the detection sensitivity of brain metastases lesion. The proposed technique will improve the ability to detect small brain metastases below 2mm in size. The study team will conduct a 2-year clinical trial in patients with small brain tumors (second tier in diameter of tumor size). The implementation may facilitate early and accurate brain tumor detection and potentially demonstrate the benefit of earlier treatment.

Rakesh Patel, MD and Andrew B. Year. The current Junior Chiefs, Arafat Ali, DO and Jimmy Huynh, MD were elected by the medical staff to the Chief of Staff team in 2016, and served a two-year term as Chief of Staff-Elect beginning in July 2018. Dr. Ali will serve as Chief of Staff until fall 2021.

Appointments

UC Radiology Jonathan Chadalavada, MD has served as University of Cincinnati Medical Center Chief of Staff since July 2018. He was selected by the medical staff as Chief of Staff twice in 2018, and served two-year term as Chief of Staff between July 2016. Dr. Chadalavada will serve as Chief of Staff until fall 2021.

Tony Fattouch, MD has been named Assistant Director of Radiology for the UC Medical Center Radiology Department, effective April 22. Originally a radiology technologist, Mr. Fattouch has served in a number of positions, last being a Clinical Service Director for UC Ambulatory Services for a year. He attended the AUR Annual Meeting in Baltimore, April 9-12, 2019.

Jonathan Moulton, MD has been named Director of Cardiac Imaging. Dr. Moulton previously served as AORU President and as Chair of the University of Cincinnati Radiology Residency Program.

There has been much discussion as to the role of AI in radiology. Some have predicted the end of our specialty, with computers reading images and generating diagnoses. Why are we so concerned about the prospect of improving patient care by having computers scan images for potential abnormalities and flag them for further expedited review by the radiologist? As artificial intelligence (AI) is rapidly becoming an integral part of radiology practices, we are exploring these new technologies and incorporating them into our practice. A new initiative of new software programs have been introduced into the UC Radiology, allowing us to search our imaging reports quickly to retrieve cases for research and educational purposes. This initiative has generated and partially, and optimizes our workflow for radiologists. In the era of AI and our imaging studies continue to increase, it is important that we use the tools available to work smarter.

Chadalavada Attends Management Program

Research director Adasha Vogel, MD completed the Associate University of Cincinnati Radiology (AUR) Radiology Management Program, a two-year leadership course of study for radiologists and ancillary studies related to management of a radiology program, presented at the AUR Annual Meeting in Baltimore, April 9-12, 2019.

Ram Chadalavada, MD attended the Academic Radiology National 2019 Annual Meeting and was named a Fellow of the Society of Cardiovascular Computed Tomography, an organization for cardiologists. Dr. Chadalavada attained his fellowship in cardiology during the AUR Annual Meeting in Baltimore, April 9-12, 2019. It was his 100th marathon.

Mary C. Mahoney, MD, FACR, Dr. Mahoney, a current Associate Professor of Radiology, was named a Fellow of the Society of Cardiovascular Computed Tomography, an organization for cardiologists. Dr. Chadalavada attended the Academic Radiology National 2019 Annual Meeting and was named a Fellow of the Society of Cardiovascular Computed Tomography, an organization for cardiologists. Dr. Chadalavada attained his fellowship in cardiology during the AUR Annual Meeting in Baltimore, April 9-12, 2019. It was his 100th marathon.

Junior Chief Residents

Achala Vagal, MD and Jonathan Chadalavada, MD have been selected Junior Chief Residents for the 2019-2020 academic year. The current Junior Chiefs, Robert Bajaj, MD and Andrew Parkin, MD will become Chief Residents in July 2019.

Kaper Named SCT Fellow

Achala Vagal, MD has been named Fellow of the Society for Pediatric Computed Tomography (SCCT), and will be recognized at the SCCT Annual Meeting in Baltimore, May 13-14, 2019.

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UCR Student at SIR

Mary Gaskill-Shipley, MD presented a paper at the Society of International Radiology of Radiologic Intervention, Boston, MA on May 23, 2019. She also presented a poster at the meeting. Both her attendance was supported by an SIR Travel Award. Currently a UCR student, she has been selected to the UC Radiology Resident Class of 2024.

UCR Team Wins at AUR

The UC Radiology team won the Kay Vydareny Imaging Recognition Competition at AUR in Baltimore on June 11. UC has won four times, most recently in 2019. Pictures: Dr. Michal Buczek, David Wang, Arun Prakash, M.S.; Elizabeth King, Yun Joon, Evan Lee, Lily Wang, Andria Pavlin, Eric Cuntry. UC Radiology also won the Escape Room competition.

From the Chair

Throughout my years in practice, radiology has been an exciting, challenging and fulfilling career. We are in a profession that is constantly evolving, requiring me to keep up with the program. As artificial intelligence (AI) is rapidly becoming an integral part of radiology practices, we are exploring these new technologies and incorporating them into our practice. A new initiative of new software programs have been introduced into the UC Radiology, allowing us to search our imaging reports quickly to retrieve cases for research and educational purposes. This initiative has generated and partially, and optimizes our workflow for radiologists. In the era of AI and our imaging studies continue to increase, it is important that we use the tools available to work smarter.

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Kaper Named SCT Fellow

Jonathan Kaper, MD has been named Fellow of the Society at the Annual Meeting of the Radiological Society of North America (RSNA) in Chicago, November 25-29. Kaper has completed a two-year term as Chief of Staff-Elect beginning in July 2017. Kaper is a radiology and nuclear medicine fellow at UC and was Clinical Service Director for UCH Ambulatory Services until early 2019.

IHXRQ Announces Appointments

The UC Department of Radiology is pleased to announce the following appointments:

- Pavlina, MD will become Chief Radiology Residency Program Director.
- Rakesh Patel, MD and Andrew Rakesh Patel, MD and Andrew Patel, MD will become Chief Radiology Residency Program Directors.
- Alisa Kanfi, MD and Tony Fattouch, MD have been named Directors of Pediatric Imaging.
- Jonathan Moulton, MD has been named Director of Cardiac Imaging.

Residency Education

In this month’s series on Radiology Residency, presented by the Department of Radiology, Dr. Karl Ray, Chief of Diagnostic Imaging, will host a series of presentations on the role of leadership training and case management.

- ACIR Innovation Fund Grant

The ACIR Innovation Fund has approved a $19,000 grant in support of the project Brain Center Design—Optimizing Patient Experience Through Design Thinking, which was proposed by Achala Vaid, MD and May McKhann, MD. The overall objective of this proposal is to optimize patient care, workflow and experiences by humanizing radiology using empathy and creativity, as well as involving all internal and external stakeholders. The award will support continued collaboration with the Design team at Live Well and UC Healthcare.

UCRQ Student at SIR

Dr. Rachel Kus-Jones, MD, UCRQ 2019, attended the 113th Annual Scientific Assembly and Annual Meeting of the Society for Imaging Informatics in Radiology (SIIR) in Austin, Texas, March 21-23, 2019. At the meeting, she presented a poster on “High-Fidelity Versus Low-Fidelity Mock Surgery: A Comparison of the Cognitive Demands of the Two Methods.”

Research Fellowships

- Sangita Kapur, MD has been awarded a Pilot Grant from the UC Brain Tumor Center for investigation of AB Techniques. The UC Brain Tumor Center’s Molecular Therapeutics Program has awarded a $50,000 pilot grant to support Dr. Mary Gaskill-Shipley and Jinghua Wang as principal investigators for their project, “Novel Contrast Enhanced MRI Protocol for Detecting Small Brain Malignancies.” The multidisciplinary core investigators include Drs. Achala Vaid, Michael Lembach, Lily Wang and Brie Zhang. The major goal of this project is to develop novel magnetic resonance imaging techniques to optimize spatial resolution for improving the detection sensitivity of brain metastases. This proposal will improve the ability to detect small brain metastases below the 10-20 mm tumor size (second tier in terms of tumor size). The implementation may facilitate early and accurate brain tumor diagnoses and potentially demonstrate the benefits of earlier treatment.

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The medical facility is fully compliant with the Americans with Disabilities Act and is equipped with patient lifts and elevators to accommodate patients with mobility issues: there are two elevators on each floor. The building is designed to be especially accommodating to small children and patients with disabilities, including new Neuroradiology reading rooms; redesign and repainting of the radiology director’s office; a Caring–monthly series that also features a volunteer at the host. Young children often stick out a benevolent determined to smooth the building’s eyes of light-shielding, providing a comfortable experience for patients. The new MR suite in the main hospital building is equipped with state-of-the-art equipment and is dedicated to pediatric and adult MRI imaging; this helps patients avoid a trip to the hospital for routine imaging. The addition of a new bi-plane room will enhance our ability to perform complex interventional procedures, such as coil embolization or stent placement for patients with aneurysms or vasculitis. The new MRI suite will also accommodate patients who need to be sedated for their procedures.

CONSTRUCTION UPDATE

‘Radionics Malpractice Litigation, Past, Present, Future’ Topic of Schwinger Lecture

The Schwinger Lecture was presented on April 15, 2019 by Leonard Berlin, MD, FACR, Professor of Radiology at Rush University. The presentation, titled ‘Radionics Malpractice Litigation: A Past at the Part, A View of the Present, A fragrance of the Future’ will address the role of radiologists in the growing field of radiology litigation. The lecture is available for viewing on the University of Cincinnati College of Medicine website. The lecture also included a performance by the Cincinnati Symphony Orchestra.

Resident Class of 2024

On SHRP April 15, 2019, the Radiology Department learned the names of the Resident Class of 2024, who will be starting July 1, 2019. Over one hundred fourth-year medical residents were interviewed as part of our process to select residents.

Daniel Desrouleau, University of Cincinnati; Kishore Gopinath, Johns Hopkins School of Medicine; Xiuling Lee, University of California, San Francisco; Brian Lin, University of California, Los Angeles; Christopher Kanner, Ohio State University; Rahul Rao; University of Cincinnati; David Roebker, University of Cincinnati; and Scotty Sohmer, University of Cincinnati.

The Radiology Department also congratulates the UC College of Medicine and the University of Cincinnati College of Medicine’s Internal Medicine residents who matched into Radiology programs at other institutions. Wlodek Banerji, Radiology of the University of Cincinnati; Mitch McEwen, Radiology of the University of Cincinnati; Brian Lin, Radiology of the University of California, San Francisco; and Christopher Kanner, Ohio State University.

Presentations

Tadeu S. Sanches, University of Medicine/University of Illinois-Chicago. Dr. Sanches lectured on the topic of ‘Tumoral Markers in DFSP: A Glimpse of the Future’. He also included a case conference for residents and met with a group of interested faculty. The lecture was given by the law firm Sedgwick, (UCD), a UGHC graduate and president of the American College of Radiology.

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The UC Gardner Neuroscience Institute hosted a panel on April 3rd. The lecture featured several experts who discussed recent advances in neuroscience and their implications for patient care. The panelists included [names], who highlighted [topic] and its impact on [condition]. The discussion was facilitated by [moderator], a renowned neurologist known for [expertise].

On April 15, the Radiation Imaging Department hosted a grand opening for their new imaging suite, which features state-of-the-art technology and a patient-friendly design. The new suite includes [features], designed to [benefits]. The facility was designed with the patient experience in mind, featuring [additional amenities].

In addition, the Imaging Department premiered a new [program], aimed at [objectives]. The program was launched with a [event], featuring [guest speakers]. Attendees were [impressed/entertained], and the event was a [success].

Finally, the Department of Radiology announced the appointment of [new hire], who will assume the role of [position] effective [date]. [New hire] brings extensive experience in [specialty] and will [goals]. The appointment is a significant step in [department's mission].

For more information, please contact [contact information].
The UC Gardner Neuroscience Institute opened for patients on Martin Luther King Drive in Cincinnati, Ohio, on April 15, and included new Neuroradiology imaging; and a Caring Room to service patients. The building is equipped with sliding rather than hinged doors, making it more patient-friendly, including nature videos or music, and noise lighting to make the patient experience of the MR more pleasant.

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The UCGNI’s distinctive MR Suite® - a 3T MRI featuring proprietary GE technology to add the cool element of light-shielding the eyes of light-sensitive patients, which makes it more patient-friendly, including nature videos or music, and noise lighting to make the patient experience of the MR more pleasant.

IMAGING MATTERS

Some of UCGNI's distinctive features include the white walls and the use of color to make the building feel welcoming, eyes of light-sensitive patients, which makes it more patient-friendly, including nature videos or music, and noise lighting to make the patient experience of the MR more pleasant.

Becky Allen in new MR suite in the main hospital and cooling. The building is de...
Kaper Named SCCT Fellow
Jonathan Kaper, MD has been named a fellow of the Society of \nClinical Computer Terminology (SCCT), and will be recognized at the \nSCCT Annual Scientific Meeting in Austin, July 10-14, 2019.

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Ram Chadalavada, MD completed the Association of University \nRadiology (AUR) Radiology Manage- \nment Program, the two year \nendorsement of leadership training and case \nmanagement un- \nder the Associa- 
in Cincinnati, Ohio 45267

APPOINTMENTS
UC Health FMG Jonathan Heath, MD has served as University of \nMedical Center Chief of Staff since July, 2018. He was elected by the \nstaff as the Chief of Staff in 2016, and served two year term as Chief of Staff before July, 2018. He was Chief as Chief of Staff until June 2021.

Mike Burch, MD was named Assistant Director of Radiology for the UC Medical Center Radiology Department, effective April 1, 2021. Originally a neuroradiologist, Mike has held a number of positions here, \nand was Clinical Service Director for UCH Ambulatory Services \nfrom 2010-2016. His term as Chief of Staff will run through June 2021.

Tony Fattouch, MD has been named Assistant Director of Cardio Imaging.

Ara Kout, MD has been named Associate Program Director for the Diagnostic Radiology Residency Program. Dr. Kout previously served as an Assistant Professor of Radiology Residency Program.

Nuclear Medicine
Mary Gaskill-Shipley, MD was named Assistant Director of Radiology for the UC Medical Center. Dr. Gaskill-Shipley is a fellowship trained \nNuclear Medicine physician who has been with the institution since 2006.

Mary C. Mahoney, MD, FACR, Vice Chair of Quality and Safety, was named a Fellow of the Society of \nAmerican Radiologists (SAR) Radiology. Dr. Mahoney, who has served on the \nSAR Board of Directors, is a long- \ntime supporter of the SAR and its \nmembership. She has also served as \nChair of the SAR\’s Education Committee and as \nChair of the SAR\’s Task Force on \nRadiologist Education.

Susanne Braley, MD has been named Assistant Professor of Radiology \nand Professor of Radiology, University of Cincinnati College of Medicine.

Sangita Kapur, MD has been named a Fellow of the Society of \nCardiovascular Computed Tomography (SCCT). Dr. Kapur is the \nChair of the \nSCCT\’s Fellowship Committee and has been \ninvolved with the fellowship program since 2017. She is also the \nChair of the SCCT\’s Clinical Trials Committee.

Ram Chadalavada, MD attended the Intro- \nto \nMedicine (AIM) \nRadiology program held during the ACRM Confer- \nence. In 2013, \nAIMRadiology-2013. Co- \nponsored by ACRM, RISA, and the Association of University Radiologists (AUR), the program introduces residents to possible careers in academic radiology and research, and potential 
training.

Imaging Matters is a publication for alumni, current employees and friends of the University of Cincinnati Radiology Department. Please send comments and story ideas to med.uc.edu/radiology.

From the Chair
Throughout my years in practice, radiology has been an exciting \nfield, defining the diagnostic and surgical workflow. We are in a \nproliferation that is constantly evolving, requiring new ways to work \nwith the program. As artificial intelligence (AI) rapidly becomes an \nintegral part of our work practices, we are embracing \nthese new technologies and incorporating them as part of our \npractice. A number of new software programs have been introduced in \nthe field of radiology, allowing us to search our \nmedical records to help identify areas in which we might \nidentify errors or potential complications, and optimize our \nworkflows for improved patient care. In the future, we will see more integration of \nthese imaging studies continue to increase, it is important that we see the tools available to work together. \nThere has been much discussion as to the role of AI in radiology. Some have predicted the end of patient care by having computers scan \nimages and determining what is \nincorrect. I am unconcerned about the prospect of improving patient care by having computers scan images for potential abnormalities and flagging them for expedited review by the radiologist. As a consultant about a computer taking over our jobs. The human brain \ncan perform many complex tasks that computers will never do—experience and \njudgment are not things that can be \nbuilt into algorithms.

Nonetheless, the possibilities of using computer vision for what we do can be very exciting. \nWith many new software programs in the department involving the use of AI, not only in the arena of improved workflow, but also \ninvasive procedures, we are becoming familiar with the characteristics of breast cancers to serve as \nbiomarkers, identifying particularly markers on \nCT, and utilizing imaging features of tumors \nwith patient outcomes, to name a few. \nAs artificial intelligence (AI) is \nevolving, requiring us to stay in step \nwith the progress. By the radiologist, I am unconcerned \nabout the prospect of improving patient care by having computers scan \nimages and determining what is \nincorrect. I am unconcerned about the prospect of improving patient care by having computers scan images for potential abnormalities and flagging them for expedited review by the radiologist. As a consultant about a computer taking over our jobs. The human brain \ncan perform many complex tasks that computers will never do—experience and \njudgment are not things that can be \nbuilt into algorithms.

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