


Mahati Mokkarala

Assistant Professor of Radiology (Body Imaging)

 Resume available Online

CLINICAL OFFICE (PRIMARY)

- **Dept Of Radiology**

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Bio

CLINICAL FOCUS

- Diagnostic Radiology

ACADEMIC APPOINTMENTS

- Assistant Professor - University Medical Line, Radiology

HONORS AND AWARDS

- Association of University Radiology (AUR) Leadership Program, Association of University Radiology (2022)
- Intramural Research Trainee Poster Award, National Institutes of Health (2014)
- Amgen Scholars Program, Amgen (2012)
- Summer Undergraduate Research Fellowship, Caltech (2010-2011)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member- RSNA Ob/Gyn panel, Radiological Society of North America (RSNA) (2023 - 2025)
- Trainee Editorial Advisory Board, Radiographics (2023 - 2024)
- Research committee- Resident Fellow and Student section, Society of Interventional Radiology (2018 - 2019)

PROFESSIONAL EDUCATION

- Board Certification: Diagnostic Radiology, American Board of Radiology (2025)
- Fellowship: Hospital of the University of Pennsylvania, Department of Radiology (2025) PA
- Residency: Washington University Barnes Jewish Hospital Radiology Residency (2024) MO
- Internship: The Johns Hopkins Hospital (2020) MD
- Medical Education: Washington University School Of Medicine (2019) MO
- Fellowship, University of Pennsylvania , Abdominal Imaging (2025)
- Residency, Mallinckrodt Institute of Radiology , Diagnostic Radiology Residency (2024)
- Internship, Johns Hopkins Hospital , General Surgery (2020)
- MD, Washington University School of Medicine (2019)

- BS, California Institute of Technology (Caltech) (2013)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research focus as a new attending will be on evaluating and implementing new technology in the radiology workplace including how technology can benefit private practice and academic radiologists.

This research focus is based on my current and previous research projects and interests. As an abdominal imaging fellow at the University of Pennsylvania, I worked on projects understanding how to apply spectral CT data in a clinical and research setting. Current projects include determining if spectral CT data can quantify normal organ characteristics. Understanding the age-old question of 'what is normal' is essential for determining if spectral CT data can help radiologists identify and characterize pathology.

Other previous research projects with interventional and diagnostic radiology colleagues at MIR include improving and evaluating the efficacy of multiple embolization agents. Additional diagnostic radiology projects as a resident included optimizing artificial intelligence programs that streamline radiology critical action items and better characterize glioblastoma imaging patterns. All projects had a common theme, focusing on implementing technology that could benefit both clinical and radiology practice and making sure that these tools would be useful for radiologists and other specialists. Radiology is unique because of how essential imaging interpretation is for modern medicine. An academic radiologist should be the leader in both developing and successfully integrating technology in the clinical world.

Publications

PUBLICATIONS

- **Identifying key CT features and clinical variables for predicting operative management of left ventricular assist device (LVAD) driveline infections.** *Emergency radiology*
Mokkarala, M., Ganapathy, A., Kalidindi, Y., Schmitt, C. R., Hoegger, M. J., Short, R. G., Raptis, D. A., Ballard, D. H.
2025; 32 (4): 533-543
- **The New American Board of Radiology Certifying Oral Examination: How Should Diagnostic Radiology Graduate Medical Education Evolve?** *Radiographics : a review publication of the Radiological Society of North America, Inc*
Mokkarala, M., Bentley, H., Gomez, C., Jiao, A., Zaki-Metias, K. M.
2024; 44 (6): e240016
- **Coronary-cameral fistula with double-chambered right ventricle: appearance on cardiac magnetic resonance imaging and 3D printed anatomic modeling.** *Clinical imaging*
Mokkarala, M., Ballard, D. H., Wesley, R. A., Gutierrez, F. R., Javidan-Nejad, C., Singh, G. K., Woodard, P. K., Lindley, K. J.
2020; 59 (1): 84-87
- **Comparison of Response and Outcomes of Drug-eluting Bead Chemoembolization (DEB-TACE) Versus Radioembolization (TARE) for Patients With Colorectal Cancer Liver Metastases.** *Anticancer research*
Mokkarala, M., Noda, C., Malone, C., Ramaswamy, R., Akinwande, O.
2019; 39 (6): 3071-3077
- **Finding Your Niche: Pursuing Uncommon Interests during Training and Shaping Your Career.** *Radiographics : a review publication of the Radiological Society of North America, Inc*
Zaki-Metias, K. M., Dixe de Oliveira Santo, I., Páez-Carpio, A., Mokkarala, M.
2025; 45 (5): e240220
- **Bone Hydatidosis.** *Radiographics : a review publication of the Radiological Society of North America, Inc*
Gulati, A., Pishgar, F., Mokkarala, M., Jiao, A. D., Gulati, V.
2024; 44 (9): e240173

- **Splenogonadal Fusion.** *Radiographics : a review publication of the Radiological Society of North America, Inc*
Chu, J., Mokkarala, M., Zhang, M., Dixe de Oliveira Santo, I., Lanier, M. H.
2024; 44 (4): e230224
- **Renal Mass Imaging with MRI Clear Cell Likelihood Score: A User's Guide.** *Radiographics : a review publication of the Radiological Society of North America, Inc*
Shetty, A. S., Fraum, T. J., Ballard, D. H., Hoegger, M. J., Itani, M., Rajput, M. Z., Lanier, M. H., Cusworth, B. M., Mehrsheikh, A. L., Cabrera-Lebron, J. A., Chu, J., Cunningham, C. R., Hirschi, et al
2023; 43 (7): e220209
- **Integrative Imaging Informatics for Cancer Research: Workflow Automation for Neuro-Oncology (I3CR-WANO).** *JCO clinical cancer informatics*
Chakrabarty, S., Abidi, S. A., Mousa, M., Mokkarala, M., Hren, I., Yadav, D., Kelsey, M., LaMontagne, P., Wood, J., Adams, M., Su, Y., Thorpe, S., Chung, et al
2023; 7: e2200177
- **Deep learning-based end-to-end scan-type classification, pre-processing, and segmentation of clinical neuro-oncology studies.** *Proceedings of SPIE--the International Society for Optical Engineering*
Chakrabarty, S., Abidi, S. A., Mousa, M., Mokkarala, M., Kelsey, M., LaMontagne, P., Sotiras, A., Marcus, D. S.
2023; 12469
- **Factors influencing selection of an interventional radiology training program.** *Clinical imaging*
Ramaswamy, R. S., Fung, D., Tiwari, T., Foltz, G., Akinwande, O., Mokkarala, M., Kim, S., Malone, C.
2019; 57: 30-34
- **Outcomes and cost-minimization analysis of cement spacers versus expandable cages for posterior-only reconstruction of metastatic spine corpectomies.** *Annals of translational medicine*
Jordan, Y., Buchowski, J. M., Mokkarala, M., Peters, C., Bumpass, D. B.
2019; 7 (10): 212
- **Percutaneous drainage and management of fluid collections associated with necrotic or cystic tumors in the abdomen and pelvis.** *Abdominal radiology (New York)*
Ballard, D. H., Mokkarala, M., D'Agostino, H. B.
2019; 44 (4): 1562-1566
- **Radiofrequency Ablation vs. Cryoablation for Localized Hepatocellular Carcinoma: A Propensity-matched Population Study.** *Anticancer research*
Xu, J., Noda, C., Erickson, A., Mokkarala, M., Charalel, R., Ramaswamy, R., Tao, Y. U., Akinwande, O.
2018; 38 (11): 6381-6386