



DR. MUNIRAJU MARALAKUNTE

Consultant - Radiology

Qualification

MBBS | MD

Overview

Dr. Muniraju Maralakunte is a highly skilled radiologist in Yelahanka. He is currently practising as an Assistant Professor – Radiodiagnosis and Imaging at Manipal Hospital Yelahanka, Bangalore, bringing extensive experience in diagnostic imaging, interventional radiology, and artificial intelligence-driven imaging innovations. With a strong academic foundation and over a decade of clinical, research, and teaching experience, Dr. Maralakunte has established himself as a trusted specialist for patients and referring clinicians alike. His expertise spans neuro, musculoskeletal, chest, abdominal, vascular, and fetal imaging, with particular proficiency in advanced MRI, CT, ultrasound, and image-guided interventional procedures. Recognised as one of the best radiologists in Yelahanka, Dr. Maralakunte has a unique combination of clinical and research-oriented expertise. He has been actively involved in groundbreaking projects integrating artificial intelligence into medical imaging, including chest and abdomen pathology segmentation, spine MRI analysis, and cancer response assessment. His research contributions focus on critical areas such as diffusion kurtosis imaging for psychiatric disorders, advanced imaging

in post-COVID pulmonary assessment, interventional oncology procedures, and pediatric imaging, reflecting a commitment to evidence-based practice and innovation in radiology. Through peer-reviewed publications in high-impact journals, presentations at international and national conferences, and ongoing textbook contributions, he continues to influence the academic and clinical radiology community. Beyond his clinical and research work, Dr. Maralakunte is deeply invested in teaching and mentoring. He has trained postgraduate radiology students, medical imaging technology students, and radiology technicians, conducting seminars, journal clubs, film reading sessions, and panel discussions. He has also delivered talks and workshops at state, national, and international forums, bridging research and clinical application, and promoting patient safety and workflow optimisation in medical imaging. His role as a quality champion, radiation safety professional, and active member of patient safety and clinical audit committees further underscores his dedication to operational excellence, ethical practice, and clinical governance. In addition to conventional imaging, Dr. Maralakunte is a recognised authority in interventional radiology, performing image-guided procedures including vascular interventions, varicose vein management, and percutaneous tumour ablations. His clinical acumen is complemented by advanced AI projects, which streamline imaging analysis, improve diagnostic accuracy, and support precision-based patient management. His work ensures that patients receive timely, accurate, and minimally invasive diagnostic and therapeutic interventions. Patients and colleagues regard Dr. Maralakunte as a meticulous, compassionate, and highly reliable specialist. His dual focus on clinical excellence and research-driven innovation positions him at the forefront of modern radiology. Whether interpreting complex imaging studies, performing interventional procedures, or implementing AI-driven solutions, he delivers care with precision, empathy, and professionalism. For those seeking the best radiologist in Yelahanka, Dr. Muniraju Maralakunte exemplifies the

integration of cutting-edge technology, rigorous clinical practice, and continuous scholarly contribution to advance patient care.

Fellowship & Membership

- Indian Society of Interventional Radiology (I.S.V.I.R.)
- Indian Radiological and Imaging Association (I.R.I.A.)

Field of Expertise

- Conventional radiography
- Fluoroscopy
- GI contrast studies
- Ultrasound and Doppler
- Fetal Radiology
- Breast Radiology
- Chest and Cardiovascular Radiology
- Cross-sectional Imaging
- Rheumatology Imaging
- Venous disease management
- Non-vascular interventions

Languages Spoken

- English
- Hindi
- Kannada
- Telugu

Awards & Achievements

- Second prize for poster presentation at AOCR 2025 & IRIA 2025, Chennai.
- Poster presentation at AOCR 2025 & IRIA 2025, Chennai.
- Selected for Short-term student project (ICMR) – 2024.
- Oral paper presentation at IRIA 2022, Bengaluru, Karnataka.
- Selected for oral presentation on the American Society of Neuroradiology (A.S.N.R.) annual meeting, 2019, Las Vegas. However, it presented as E poster at the virtual conference. The United States.
- Selected as a semifinalist for the prestigious Cornelius Dyke award, American Society of Neuro Radiology (A.S.N.R.) annual meet, 2020, Las Vegas. The United States.
- Selected for the nationwide I.S.V.I.R. (interventional radiology) quiz, 2019, Goa. India.
- I have been recommended for the "Walia Gold medal – Batch 2016" from the Department. Of Radiodiagnosis and Imaging, P.G.I.M.E.R., Chandigarh. India.
- Secured second position in "18th Kakarla Subbarao Gold Medal Competition for Best Paper presentation by a postgraduate in Radiology", 2018, Hyderabad. India.
- Secured second position for oral paper presentation, 20th annual conference of Indian Society of Neuroradiology (I.S.N.R.) in collaboration with The American British course in Neuroradiology (A.B.C.N.R.), 2018, New Delhi. India.
- E poster presentation at the European Society of Radiology (E.S.R.), 2018.

Talks & Publications

- Research to Publication certification – BMJ and UCSF (British Medical Journal and University of California, San Francisco). (Year 2021).

- Health Research Fundamentals Course – IIT Madras (NleCer-National Institute of Epidemiology- Indian Council of Medical Research e-Certificate). (Year 2020).
- Basic Course in Biomedical Research – IIT Madras (NleCer-National Institute of Epidemiology- Indian Council of Medical Research e-Certificate). (Year 2021).
- Back to basics: Building statistical literacy. (Year 2020).
- Statistics Made Easy: Virtual SPSS workshop on basics and beyond. (Year 2020).
- Role Of Whole-brain Diffusion Kurtosis Imaging In Differentiating Unipolar Depression From Bipolar Depression.
- A textbook on integrated and evidence-based varicose vein management
- A textbook on Research methodology and Basic biostatistics to Medical students and practitioners (NMC curriculum-based).
- A textbook on Clinical care and Patient safety to Medical Imaging Technology students (NMC Curriculum-based).
- Microbial profile analysis study on the critical and semi-critical region ultrasonography
- District-level PCPNDT impact assessment
- Virtual autopsy
- Abbreviated MRI and Clinical Imaging CT protocols assessment
- Patient safety and workflow improvement in Medical OPDs
- Unification of the interdepartmental scheduling/ appointment systems in OPD services
- Integrated medical management of the varicose veins
- Garg M, Maralakunte M, Garg S, Dhooria S, Sehgal I, Bhalla AS, Vijayvergiya R, Grover S, Bhatia V, Jagia P, Bhalla A, Suri V, Goyal M, Agarwal R, Puri GD, Sandhu MS. The Conundrum of 'Long-COVID-19': A Narrative Review. Int J Gen Med. 2021 Jun 14;14:2491-2506. doi: 10.2147/IJGM.S316708. PMID: 34163217; PMCID: PMC8214209. (>270 citations)
- Harsimran Bhatia, Muniraju Maralakunte, Mudita Gulati, Vishal

- Sharma, Pankaj Gupta. Complications of Percutaneous Irreversible Electroporation for Pancreatic Cancer: A Systematic Review. *Journal of Clinical Interventional Radiology ISVIR*.2025. DOI: 10.1055/s-00451801889.
- Devkota S, Garg M, Debi U, Dhooria S, Dua A, Prabhakar N, Soni S, Maralakunte M, Gulati A, Singh T, Sandhu MS. Evaluating Lung Changes in Long COVID: Ultra-Low-Dose vs. Standard Dose CT Chest. *Br J Biomed Sci*. 2024 Sep 10;81:13385. doi: 10.3389/bjbs.2024.13385. PMID: 39319349; PMCID: PMC11420527.
 - Yadav V, Singhal M, Maralakunte M, Sharma N, Sharma A, Lal A. Comparison of Dual-Energy Computed Tomography Pulmonary Angiography-Derived Contrast Enhancement with Standard Dual-Energy Pulmonary Angiography in Diagnosing Subsegmental Pulmonary Embolism: A Prospective Study. *Indian J Radiol Imaging*. 2023 May 18;33(4):456-462. doi: 10.1055/s-00431764489. PMID: 37811170; PMCID: PMC10556308.
 - Garg M, Prabhakar N, Devkota S, Dhooria S, Debi U, Dua A, Singh T, Malarakunte M, Bhatia H, Sandhu MS. Chest CT Findings at Six Months Following COVID-19 ARDS - Correlation With the mMRC Dyspnea Scale and Pulmonary Function Tests. *Br J Biomed Sci*. 2024 Jul 10;81:12871. doi: 10.3389/bjbs.2024.12871. PMID: 39055310; PMCID: PMC11269757.
 - Maralakunte M, Gupta V, Grover S, Ahuja CK, Sahoo S, Kishore K, Vyas S, Garg G, Singh P, Govind V. Cross-sectional analysis of whole-brain microstructural changes in adult patients with bipolar and unipolar depression by diffusion kurtosis imaging. *Neuroradiol J*. 2023 Apr;36(2):176-181. doi: 10.1177/19714009221114446. Epub 2022 Jul 11. PMID: 35817080; PMCID: PMC10034704.
 - Maralakunte M, Sharma A, Dahiya N, Singhal M.

Abdominopelvic venous distension with venous varices and iliac vein aneurysm: rare imaging manifestation of chronic rheumatic heart disease. *BMJ Case Rep.* 2022 Mar 25;15(3):e247614. doi: 10.1136/bcr-2021-247614. PMID: 35338039; PMCID: PMC8961128.

- Gupta, P., Maralakunte, M., Rathee, S., Samanta, J., Sharma, V., Mandavdhare, H., Sinha, S., Dutta, U., & Kochhar, R. (2019). Percutaneous transhepatic biliary drainage in patients at higher risk for adverse events: experience from a tertiary care referral center. *Abdominal Radiology*, 45, 2547-2553.
- Yadav V, Singhal M, Maralakunte M, Sharma N, Sharma A, Lal A. Comparison of Dual-Energy Computed Tomography Pulmonary Angiography-Derived Contrast Enhancement with Standard Dual-Energy Pulmonary Angiography in Diagnosing Subsegmental Pulmonary Embolism: A Prospective Study. *Indian J Radiol Imaging.* 2023 May 18;33(4):456-462. doi: 10.1055/s-00431764489. PMID: 37811170; PMCID: PMC10556308.
- Sodhi KS, Maralakunte M, Bhatia A, Lal SB, Saxena AK. Utility of the New Faster Compressed SENSE MRCP at 3 Tesla MRI in Children with Pancreatitis. *Indian J Pediatr.* 2023 Dec;90(12):1210-1215. doi: 10.1007/s12098-022-04403-w. Epub 2023 Jan 24. PMID: 36692816.
- Gupta, P., Maralakunte, M., Sagar, S., Kumar-M, P., Bhujade, H., Chaluvashetty, S.B., & Kalra, N. (2021). Efficacy and safety of irreversible electroporation for malignant liver tumors: a systematic review and meta-analysis. *European Radiology*, 1 - 11.
- Gupta, P., Maralakunte, M., Kumar-M, P., Chandel, K., Chaluvashetty, S.B., Bhujade, H., Kalra, N., & Sandhu, M. (2021). Overall survival and local recurrence following RFA, MWA, and cryoablation of very early and early HCC: a systematic review and Bayesian network meta analysis.

- European Radiology, 1 - 9.
- Garg, M., Gupta, P., Maralakunte, M., Kumar-M, P., Sinha, A., Kang, M., Agarwal, R., & Sandhu, M. (2020). Diagnostic accuracy of CT and radiographic findings for novel coronavirus 2019 pneumonia: Systematic review and meta-analysis. *Clinical Imaging*, 72, 75 - 82.
 - Singhal M, Pilania RK, Jindal AK, Gupta A, Sharma A, Guleria S, Johnson N, Maralakunte M, Vignesh P, Suri D, Sandhu MS, Singh S. Distal coronary artery abnormalities in Kawasaki disease: experience on CT coronary angiography in 176 children. *Rheumatology (Oxford)*. 2023 Feb 1;62(2):815-823. doi: 10.1093/rheumatology/keac217. PMID: 35394488.
 - Maralakunte M, Sharma A, Dahiya N, Singhal M. Trapped Heart with Overlying Chest Wall Deformity and Sternal Defect. *J Saudi Heart Assoc*. 2022 Jul 22;34(2):111-112. doi: 10.37616/2212-5043.1304. PMID: 36237222; PMCID: PMC9518723.
 - Gupta, P., Maralakunte, M., Kalra, N., Samanta, J., Sharma, V., Mandavdhare, H., Dutta, U., Kochhar, R., & Sandhu, M. (2020). Feasibility and safety of bedside percutaneous biliary drainage in patients with severe cholangitis. *Abdominal Radiology (New York)*, 1 - 5.
 - Vyas, S., Ray, N., Maralakunte, M., Kumar, A., Singh, P., Modi, M., Goyal, M., Sankhyan, N., Bhalla, A., Sharma, N., & Jayashree, M. (2020). Pattern Recognition Approach to Brain MRI Findings in Patients with Dengue Fever with Neurological Complications. *Neurology India*, 68, 1038 - 1047.
 - Garg M, Lamicchane S, Maralakunte M, Debi U, Dhooria S, Sehgal I, Prabhakar N, Sandhu MS. Role of MRI in the Evaluation of Pulmonary Sequel Following COVID-19 Acute Respiratory Distress Syndrome (ARDS). *Curr Probl Diagn Radiol*. 2023 Mar-Apr;52(2):117-124. doi: 10.1067/j.cpradiol.2022.09.001. Epub 2022 Sep 24. PMID: 36253228; PMCID: PMC9508699.

- Shrimanth YS, Barwad P, Maralakunte M, Sharma A, Sihag BK. Ortner's Syndrome Due to Giant Thoracic Aortic Aneurysm. *J Invasive Cardiol.* 2022 Apr;34(4):E346. PMID: 35366231.
- Garg M, Maralakunte M, Dhooria S. Sequelae of COVID-19 pneumonia: Is it correct to label everything as post-COVID lung fibrosis? *J Postgrad Med.* 2021 Oct-Dec;67(4):224-227. doi: 10.4103/jpgm.jpgm_550_21. PMID: 34845890; PMCID: PMC8706535.
- Garg M, Prabhakar N, Bhatia H, Dhooria S, Debi U, Muthu V, Maralkunte M, Sehgal I, Agarwal R, Sandhu MS. CT findings in sequel of COVID-19 pneumonia and its complications. *BJR Open.* 2021 Jan 3;3(1):20210055. doi: 10.1259/bjro.20210055. PMID: 36570781; PMCID: PMC9754056.
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- Shrimanth YS, Sahitya MS, Maralakunte M, Sihag BK. Abnormal blood supply to a normal lung: left circumflex artery branch supplying the right lung. *BMJ Case Rep.* 2022 Mar 23;15(3):e248159. doi: 10.1136/bcr-2021-248159. PMID: 35321914; PMCID: PMC8943773.
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- Debi, Uma & Maralakunte, Muniraju & Singh, Lokesh & Garg, Mandeep & Bhatia, Vikas & Devi, Gita & Sinha, Anindita. (2020). Revisiting HRCT Features of ABPA. Archives of Clinical and Medical Case Reports. 04. 10.26502/acmcr.96550225.
- Maralakunte, Muniraju & Debi, Uma & Singh, Lokesh & Prasad, Kaushal & Lal, Sadhna & Rehman, Tanveer. (2020). Correlation of Ultrasonography Parameters with Tissue Transglutaminase Antibody Assay in the Diagnosis of Childhood Celiac Disease. Archives of Clinical and Medical Case Reports. 04. 10.26502/acmcr.96550287.
- Debi, Uma & Kumar, Maoulik & Singh, Lokesh & Sagar, Sathya & Maralakunte, Muniraju & Bhatia, Vikas & Sinha, Anindita & Devi, Gita & Sandhu, M. (2020). Imaging Manifestations of Soft Tissue Lymphoma. Archives of Clinical and Medical Case Reports. 04. 10.26502/acmcr.96550267.
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- Maralakunte, Muniraju & Debi, Uma & Singh, Lokesh & Pruthi, Himanshu & Bhatia, Vikas & Devi, Gita & MS, Sandhu. (2020). Foreign Body Imaging-Experience with 6 Cases of Retained Foreign Bodies in the Emergency Radiology Unit. Archives of Clinical and Medical Case Reports. 04. 10.26502/acmcr.96550285.
- Shreya Sehgal, Lokesh Singh, Uma Debi, Muniraju Maralakunte. Paediatric Primary Achalasia Radiological Review. Archives of Clinical and Medical Case Reports 5 (2021): 91-95.
- Shreya Sehgal, Muniraju Maralakunte, Lokesh Singh, Uma Debi. LCH with Multisystemic Involvement-A Case Report. Archives of Clinical and Medical Case Reports 5 (2021): 43-47.
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manifestation of extensive subcutaneous emphysema. J Cardiothorac Trauma 2020;5:40.

- Garg M, Maralakunte M, Kumar Y, Bhujade H, Sehgal IP, Suri V, et al. Vaccine-induced immune responses against SARS-CoV-2 infections. Explor Immunol. 2021;1:35673. <https://doi.org/10.37349/ei.2021.00024>
- Babulal Vadher A, Sinha A, Roy Choudhury S, Prakash M, Maralakunte M, Rehman T, Sharma S, Kumar Y. Ultrasound and magnetic resonance imaging of hands in systemic sclerosis: A cross-sectional analytical study of prevalence of inflammatory changes in patients with subclinical arthropathy. J Scleroderma Relat Disord. 2023 Feb;8(1):72-78. doi: 10.1177/23971983221140673. Epub 2023 Jan 4. PMID: 36743819; PMCID: PMC9896195."