

Curriculum vitae - Dr.D. Ravi Varma

Name:	Dandu Ravi Varma
Affiliation:	Consultant Interventional and Neuroradiologist Citi Neuro Centre, Hyderabad
E-Mail:	varmaji@rediffmail.com
Mobile:	+91-9849666240

Education

1989-1995	MBBS	Bachelor of Medicine, Bachelor of Surgery	Gandhi Medical College, Hyderabad
-----------	------	---	-----------------------------------

Postdoctoral Training

Year(s)	Titles	Specialty/Discipline	Institution
1996 – 1997	DMRD	Diploma in Medical Radiodiagnosis	Kasturba Medical College, Manipal, Karnataka
1998-1999	Dip NB	Diplomate of National Boards, (Radiology)	Deccan College of Medical Sciences, Hyderabad
2001-2003	DM Neuroradiology	Doctor of Medicine, Diagnostic and Interventional Neuroradiology	Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum

Clinical Appointments

Year(s)	Position	Institution
1999 - 2000	Consultant Radiologist	Yashoda Superspecialty Hospital, Hyderabad
2004 – 2012	Consultant Neuroradiologist	Krishna Institute of Medical Sciences, Secunderabad
2012 – 2014	Consultant Neuroradiologist	Care Hospital, Banjara Hills, Hyderabad
2014 – 2016	Consultant Neuroradiologist	Mediciti Hospital, Secretariat Road, Hyderabad
2016 - Present	Consultant Neuroradiologist	Citi Neuro Centre, Hyderabad

Honors and Awards

2004	Best Paper	53 rd Annual conference of the Neurological Society of India, Indore	Paper Titled “Delineation of Thalamic Nuclei by Diffusion Tensor Imaging”
2006	Travel Fellowship	Symposium Neuroradiologicum, Adelaide, Australia	Poster titled “Emerging Clinical Applications of Diffusion Tensor Imaging – Pictorial Review”
2008	Dr.C.Sambasiva Rao Memorial Endowment Gold Medal	Guntur Medical Association and Indian Medical Association, Guntur Branch	CT Scan of Brain in General Practice
2016	Dr.K.Chaya Memorial 6 th Annual Oration	Indian Medical Association Vijayawada Branch	Fundamentals of interpretation of Brain CT and MRI

Teaching Experience

2006 – 2012	Diplomate of National Boards (Radiodiagnosis) Accredited Senior Consultant for training DipNB (Radiodiagnosis) students
2011 – 2012 2018 – Present	Fellowship in Diagnostic Neuroradiology: A one-year structured fellowship in clinical and diagnostic neuroradiology currently accredited with the Indian College of Radiology and Imaging

Collaborations with Industry Partners

2017	Medtronic Engineering Innovation Centre. – Conducted a “Clinical Immersion Program” for the engineers at Medtronic Engineering Innovation Centre, which introduced them to techniques and challenges in Neurointerventional procedures
2020	Philips Healthcare - First of Kind (FOK) site for evaluation of the 5.6 release of MRI software - Evaluated T1 Spin Echo with Spiral readout - Evaluated Time of Flight MR angiogram with Spiral readout

Collaborations with Other Academic Institutions and Institutes of National Importance

2007 - 2008	National Brain Research Centre, Manesar, Gurgaon - Collaborated with the Computational Neuroscience and Neuroimaging lab and Systems and Cognitive Neuroscience lab at the NBRC - Optimized fMRI protocols for monkey brain functional MRI being performed by Cognitive Neuroscience Lab - Trained the research scholars of NBRC regarding basics of MR Imaging and MRI protocol optimization for their research studies
2010 – 2011	University of Bristol, London School of Hygiene and National Institute of Nutrition - Study titled “Calibration of DXA measures of abdominal adiposity with MRI in the Hyderabad DXA study”
2010 - Present	Centre for Visual Information Technology, International Institute for Information Technology (IIIT), Hyderabad - Lectures on MR imaging physics and technology - Worked on multiple research papers - Performed volumetric imaging studies for volunteers for the Indian Brain Atlas (Ageing) project

Other Relevant Experience

- **Attended the “Sequence Development Mode and Pulse Programming” Workshop organized by Philips Innovation Centre, India in 2018.** - An advanced clinical science training program for research users of Philips MRI systems, aimed at exploring and modifying MR pulse sequences
- **Created an MRI Simulator** Available at <https://github.com/ritvd/desktop-MRI> – A practical tool for learning MR physics and image quality optimization. The software is written in Python and has an intuitive graphical user interface similar to a real MRI scanner. It allows the user to select over 40 individual parameters including pulse sequences, image contrast parameters, spatial resolution parameters, kspace filling strategy and common artifacts.

Publications

Chapters in Textbooks:

1. Subramanyam Mallajyosyula and Ravi Varma Dandu. "Imaging a case of proptosis: CT and MRI" Surgical Atlas of Orbital Diseases. Chapter 3 pages 56 - 84 Jaypee Brothers, New Delhi.
2. Ravi Varma Dandu and Radhika Varma Dandu. "Carotid Cavernous Fistula : Role of the Interventional Radiologist" Surgical Atlas of Orbital Diseases. Chapter 26 pages 356 to 365 Jaypee Brothers, New Delhi.
3. Ravi Varma Dandu. "Storage of Medical and Radiology Images" Textbook of Indian College of Radiology. In Press: Jaypee Brothers, New Delhi.
4. Ravi Varma Dandu. "Digital Images and Image Formats for Radiologists" Textbook of Indian College of Radiology. In Press: Jaypee Brothers, New Delhi.
5. Neurology in the Tropics Edited by Prof. JS Chopra. Chapter titled "Current Concepts of Ischaemic Stroke". M. Vasantha Padma , Deepa Dash , Anita Mahadevan , S.K. Shankar , Ravi Varma , Suvarna Alladi , Subhash Kaul.
6. Neurology in the Tropics Edited by Prof. JS Chopra. Chapter titled "Uncommon Causes of Ischaemic Stroke". Subhash Kaul , Praveen Kumar Yada , Ravi Varma
7. Neurology in the Tropics Edited by Prof. JS Chopra. Chapter titled "Cortical Sinuvenous Thrombosis in Tropics ". Nagaraja D, Wasay M, Sankar SK, Varma DR.
8. IRIA Textbook of Radiology Edited by Hemant Patel and C Amarnath. Chapter titled Metabolic, Toxic and Degenerative Disorders. Varma DR. Sandeep P, Pyal A
9. IRIA Textbook of Radiology Edited by Hemant Patel and C Amarnath. Chapter titled Approach to cavernous sinus pathologies. Shivakanth N, Varma DR

Publications in Peer Reviewed Journals

1. Lakhkar BN, Shenoy HD, Varma DR. Retroperitoneal Yolk Sac Tumor – A case report Journal of Applied Medicine 1997.
2. Varma DR, Rao BR, Parameswaran S, Gupta AK, Joseph S, Radhakrishnan VV. Chordoid meningioma: a report of two cases. Neurology India. 2003 Dec;51(4):522-4
3. Kapilamoorthy TR, Kesavadas C, Gupta AK, Radhakrishnan VV, Varma DR. Magnetic Resonance Imaging in Temporal Lobe Epilepsy. Rivista di Neuroradiologia 16: 780-783, 2003

4. Gupta AK, Rao VRK, Joseph S, Kapilamoorthy TR, Bejoy Thomas, Varma DR. Vein of Galen Malformations - An Indian Experience . Rivista di Neuroradiologia 16: 1304-1307, 2003
5. Gupta AK, Varma DR. Vein of Galen Malformations : Review. Neurology India 2004;52:43
6. Sonwalkar HA, Gupta AK, Varma DR, Purkayastha S, Bodhey N, Kesavadas C. Cerebral Myxomatous Angiopathy Imaging features. Journal of Neuroradiology 2004; 17 (1): 558 – 560.
7. Bodhey NK, Gupta AK, Varma DR, Sonwalkar HA, Purkayastha S. CT Angiographic Demonstration of Agenesis of the Internal Carotid Artery with Transsellar Cavernous Collateral and PCA Aneurysm. Journal of Neuroradiology 2004; 17 (1): 664 – 667.
8. Gupta AK, Varma DR, Bodhey NK, Purkayastha S. Embolization of Choroid Plexus AVM – A Case Report. Journal of Neuroradiology 2005; 18 (1): 113 – 116.
9. Gadhinglajkar SV, Sreedhar R, Unnikrishnan M, Varma R. Surgery for dysphagia lusoria caused by right aberrant subclavian artery. J Cardiothorac Vasc Anesth. 2005; 19(1): 86 – 9.
10. Gupta AK, Varma DR, Kapilamoorthy TR, Thomas B, Purkayastha S. High-flow traumatic carotico-jugular fistula manifesting as venous hypertensive encephalopathy- A Case Report. Interventional Neuroradiology.2005; 11: 261
11. Purkayastha S, Gupta AK, Varma DR, Kapilamoorthy TR. Proatlantal intersegmental arteries of external carotid artery origin associated with vein of Galen malformation. Am J Neuroradiol 2005; 26: 2378 – 2383.
12. Purkayastha S, Gupta AK, Varma DR, Radhakrishnan VV. Chordoid Meningioma Mimicking Tuberculoma. Journal of Neuroradiology 2005; 18 (1): 64 - 70
13. Purkayastha S, Gupta AK, Varma DR, Bodhey NK, Vattoth S. Absence of left common carotid artery with cervical origin of right subclavian artery.AJNR Am J Neuroradiol 2006;27:708–711
14. Gupta AK, Rao VRK, Varma DR, Kapilamoorthy TR, Kesavadas C, Krishnamoorthy T, Thomas B, Bodhey NK, Purkayastha S. Vein of Galen malformations-evaluation, management & long term follow up Journal of Neurosurgery 2006; 105: 26 – 33.
15. Ravi Varma Dandu. “Percutaneous Vertebroplasty.” Journal of International Medical Sciences Academy 2007; 20: 33
16. Ravi Varma Dandu. “Communication Skills in Radiology: Radiologists are the bright people in the dark rooms.” Journal of Postgraduate Medical Education, Training and Research. 2007; Vol II, No 6. Pages 4-5.
17. Ravi Varma Dandu. “Intra-arterial thrombolysis in Acute Stroke”. - Journal of International Medical Sciences Academy 2007; 20: 97

18. Arekapudi Subramayeswara Rao, Ravi Varma Dandu. "Lingual Thyroid". *Pediatr Radiol* 2007;
19. Ravi Varma Dandu, Sirineni Gopi Kiran Reddy, Mamidi Venkata Chalapati Rao, Pottala Krishna Mohan, Mallipudi Bhaskara Vara Prasad. "Sonographic and CT features of Splenogonadal fusion". *Pediatr Radiol*. 2007; 37: 916 – 919
20. Ravi Varma D, Reddy BC, Venkateshwara Rao R. "Recanalization and obliteration of falcine sinus in cerebral venous sinus thrombosis". *Neurology* 2007; 70: 79 – 80.
21. Kandadai Rukmini, Alladi Suvarna, Ravi Varma Dandu, Jaydip Ray Chaudhuri, Yarlagadda Jyotsna , Roopam Borgohain , Subhash Kaul. "Corticobasal syndrome due to a thalamic tuberculoma and focal cortical atrophy". *Journal of Neurology Neurosurgery and Psychiatry* 2008; 79: 107 – 108.
22. Ravi Varma Dandu. "Free Dicom Browsers" *Indian Journal of Radiology and Imaging* 2008; 18: 12 – 16.
23. Ravi Varma Dandu. "Storage media for computers in Radiology" *Indian Journal of Radiology and Imaging* 2008; 18: 287-289
24. Arekapudi Subramanyeswara Rao, Dandu Ravi Varma, Mamidi Venkata Chalapathi Rao, Surat Mohandas. "Magnetic Resonance Imaging in Rabies Encephalitis. *Indian Journal of Radiology and Imaging* 2009; 19: 301 – 304.
25. Krishnan SS, Panigrahi M, Varma DR, Madigubba S. "Falcine and parasagittal intracranial dural chondrosarcomas of the classical variant: Two case reports with review of literature." *Neurology India* 2011; 59: 451 – 454
26. Saurabh Sharma, J. Sivaswamy, R. Power, L.T. Kishore and R. Varma Assisting Acute Infarct Detection from Non-contrast CT using Image Adaptive Window Setting Proceedings of 14th Conference on Medical Image Perception (MIPS 2011),09-11 Aug. 2011, Dublin, Ireland.
27. Ravi Varma Dandu. "Managing DICOM images: Tips and Tracks for the Radiologist". *Indian Journal of Radiology and Imaging* 2012; 22: 4-13
28. Panigrahi M, Krishnan SS, Varma DR. Crescent posterior fossa durotomy for occipito-marginal venous sinus preservation: A pilot study. *Acta Neurochir (Wien)* 2012 154(11): 2115-21
29. Krishnan SS, Panigrahi M, Jayalakshmi S, Varma DR. Neuroplasticity in hemispheric syndrome: an interesting case report. *Neurology India* 2011 59(4): 601-4
30. Krishnan SS, Panigrahi M, Pendyala S, Rao SI, Varma DR. Cervical Subependymoma: A rare case report with possible Histogenesis. *J Neurosci Rural Pract* 2012 Sep 3(3): 366-9
31. Taylor AE, Kuper H, Varma RD, et al. Validation of dual energy X-ray absorptiometry measures of abdominal fat by comparison with magnetic resonance imaging in an Indian population. *PLoS One*. 2012;7(12):e51042. December 2012

32. R Gautham, DR Varma, J Sivaswamy. A Method for Motion Detection and Categorization in Perfusion Weighted MRI. Indian Conference on Vision, Graphics, and Image Processing. 16 - 19 December, 2012, Bombay, India
33. Rohit Gautam, Jayanthi Sivaswamy, Ravi Varma An Efficient, Bolus-Stage Based Method for Motion Correction in Perfusion Weighted MRI Proceedings of 21st International Conference on Pattern Recognition, 11-15 Nov. 2012, Vol. 21 ISBN 978-4-9906441-1-6, Japan
34. Shashank Majumdar, Jayanthi Sivaswamy, R Varma, L T Kishore A Novel Framework for Segmentaion of Stroke Lesions in Diffusion Weighted MRI Using Multiple b-Value Data Proceedings of 21st International Conference on Pattern Recognition, 11-15 Nov. 2012, Vol. 21 ISBN 978-4-9906441-1-6, Japan
35. Intracranial Lipoma with subgaleal extension: An interesting case report with review of literature. Reddy SR, Panigrahi M, Varma R. Neurology India 2012 60(4): 444-6
36. Tourani K, Murali B, Sahoo A,Varma DR, Prasad N. Lumbar disc cyst with contralateral radiculopathy. J Med Allied Sci 2012; 2(2):81-83
37. Konanki R, Varma DR, Lingappa L, Shenoy BH. Midbrain neurocysticercal granuloma appearing as "face of panda". Neurology 2013; 80: 1999
38. Lingappa L, Varma DR, Siddaiahgari S, Konanki R. Mineralizing angiopathy with infantile basal ganglia stroke after minor trauma. Developmental Medicine & Child Neurology 2013, 56: 78–84.
39. D. Ruikar, M. Surath, S. Jayalakshmi A. Varalakshmi R. Varma. Neurological and neuroradiological manifestations of acute dengue fever infection; a single centre study from tropical country. Journal of the Neurological Sciences 333:e581-e582 · October 2013
40. Lingappa L, Varma DR, Siddaiahgari S, Konanki R. Mineralizing angiopathy with infantile basal ganglia stroke after minor trauma. Dev Med Child Neurol 2014; 56: 78–84.
41. Muppa R, Nallanchakrava HS, Mettu S, Dandu RV, Tadikonda DC. Type III B dens invaginatus: Diagnostic and clinical considerations using 128-slice computed tomography. J Indian Soc Pedod Prev Dent 2014; 32: 342-345
42. Shyam Sundar Krishnan, Manas Panigrahi, Satvik G. Pattanagare, Ravi D. Varma, Satish I. Rao. Abscess within a meningioma: Pathogenesis and rare case report. Neurology India 2014; 62: 196
43. Muppa R, Parupalli K, Kanumuri PK, Dandu RV. Morphological evaluation of Five Rooted Maxillary Second Molar evaluated by Spinal computed Tomography. BMJ - Case Reports. 2017
44. Konanki R, Varma DR, Ratha C, Lingappa L, Shah N. Teaching NeurolImages: Fetal deep medullary vein thrombosis presenting as progressive intracerebral hemorrhage. Neurology. 2015; 85:e5-6

45. Rajani Santha Kumari Nagothu, Yogananda Reddy Indla, Archana Rajagopalan, Ravi Varma. Right Dorsolateral Frontal Lobe N-Acetyl Aspartate and Myoinositol Concentration Estimation in Type 2 Diabetes with Magnetic Resonance Spectroscopy. *Journal of Clinical and Diagnostic Research*. 2015; 9: CC16-CC19
46. Varma DR, Nair AS, Vindhya G, Saraschandrika. Management of type IV placenta previa by bilateral internal iliac artery balloon placement. *J Mahatma Gandhi Inst Med Sci* 2015;20:170-2
47. Dhanya L. Narayanan, Dipti Deshpande, Aneek Das Bhowmik, Dandu R. Varma, Ashwin Dalal. Familial choreoathetosis due to novel heterozygous mutation in PDE10A. *Am J Med Genet*. 2017;1–5
48. Acharya UV, Pendharkar H, Varma DR, Pruthi N, Varadarajan S. Spinal dysraphism illustrated; Embryology revisited. *Indian J Radiol Imaging*. 2017;27(4):417-426.
49. Konanki R, Lingappa L, Varma DR; Isolated Extrapontine Myelinolysis Presenting as Acute-onset Reversible Parkinsonism in a Boy with Adrenocortical Insufficiency. *Journal of Parkinsonism & Therapy* 1(1): 102.
50. Prasad VSV, Sharawat IK, Saini L, Dekate PSR, Penchala S, Varma DR. Acute Flaccid Paralysis: Intravenous Immunoglobulin is Not the Drug of Choice Always! *Indian J Pediatr*. 2018;85(12):1139-1140.
51. Saini L, Dekate PS, V Prasad VS, Varma DR. Triad of gloom in a girl child: Aicardi syndrome. *Neurol India*. 2018;66(1):265-266.
52. Chaugule P, Varma DR, Patil Chhablani P. Orbital apex syndrome secondary to optic nerve cysticercosis. *Int Ophthalmol*. 2019 May;39(5):1151-1154.
53. Vasanthapuram VH, Varma R, Bothra N. Cerebrofacial Arteriovenous Metameric Syndrome Type 2. *Ophthalmic Plast Reconstr Surg*. 2020;36(4):e109.
54. Lingappa L, Konanki R, Varma R, Shah N, Raju S, Sura S, Reddy L, Rani S. Persistent Craniopharyngeal Canal: A Rare Cause for Recurrent Meningitis in Pediatric Population. *Ann Indian Acad Neurol*. 2020;23(4):545-548.
55. Rath S, Varma DR, Tibrewal S, Ganesh S, Gupta N. A flower in the brain: Planum sphenoidale meningioma. *Indian J Ophthalmol*. 2020;68(11):2514-2516.
56. Ali MJ, Ponnaganti S, Barla K, Varma DR, Bothra N. Color Doppler Imaging Features of the Lacrimal Sac in Health and Diseased States. *Curr Eye Res*. 2020; 9:1-4
57. Varma DR, Ponnaganti S, Dandu RV. Beware of artifacts in orbital magnetic resonance imaging. *Indian J Ophthalmol*. 2020;68(11):2516-2518.

58. Epidemiology, clinical profile, management, and outcome of COVID-19-associated rhino-orbital-cerebral mucormycosis in 2826 patients in India – Collaborative OPAI-IJO Study on Mucormycosis in COVID-19 (COSMIC), Report 1. Ind J Ophthalmology 2021, 69: 1670-92
59. Sreshta K, Dave TV, Varma DR, Nair AG, Bothra N, Naik MN, et al. Magnetic resonance imaging in rhino-orbital-cerebral mucormycosis. Indian J Ophthalmol 2021;69:1915-27.
60. Kapoor R, Dubay S, Sachdeva V, Varma R, Chougule P, Patil-Chhablani P. The tale of two siblings with gaze palsy: More than meets the eye. Indian J Ophthalmol Case Rep 2021;1:357-9.
61. Chattannavar G, Sheth JN, Varma DR, Kekunnaya R. Idiopathic intracranial hypertension sine disc edema with rare neuroimaging features of cranial nerve compression. Oman J Ophthalmol. 2022 Jun 29;15(2):252-254.
62. Aripirala P, Reddy N, Lingappa L, Konanki R, Varma DR, Raju S. Cryptogenic posterior circulation stroke in children. Dev Med Child Neurol. 2023 Jun;65(6):847-854
63. Delayed perilead intracerebral hemorrhage months after deep brain stimulation: A series of two patients. Annals of Indian Academy of Neurology (2023)
64. Bansal R, Honavar SG, Varma R, Talloju SS. The eyes see what the mind knows - Interpretation of magnetic resonance imaging. Indian J Ophthalmol. 2023; 71(7):2926