

BIODATA OF DR. AMARNATH.C

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Surname Chellathurai
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DESIGNATION

- **Professor and Head** in radiology, Govt Stanley Medical college.chennai-1,600001,India

EDUCATIONAL QUALIFICATIONS

December 1996 Bachelor of Medicine and Bachelor of Surgery (**MBBS**)
Tirunelveli Medical College and Hospital, Tirunelveli
The Tamil Nadu Dr. MGR Medical University, Chennai, India

May 2000 Diploma in Medical Radio diagnosis (**D.M.R.D**)
Tirunelveli Medical College and Hospital, Tirunelveli
The Tamil Nadu Dr. MGR Medical University, Chennai, India

February 2005 Doctor of Medicine in Radio diagnosis (**M.D Radiology**)
Madras Medical College and Hospital, Chennai
The Tamil Nadu Dr. MGR Medical University, Chennai, India

September 2005 Diplomat of National Board (**DNB Radiology**)
National Board of Examinations, New Delhi, India

May 2006 Fellow of Royal College of Radiologists (**FRCR**)
Royal College of Radiologists, United Kingdom

February 2012 Master of Business Administration-Health Sciences (**MBA**)
Anna university, Chennai

March 2015 Doctorate of philosophy- in Radio diagnosis (**Phd**)
Madras Medical College and Hospital, Chennai
The Tamil Nadu Dr. MGR Medical University, Chennai, India

October 2014 Fellow of the International Medical Sciences Academy (**FIMSA**)
National Medical Library Bldg., Ansari Nagar, Ring Road,
New Delhi, INDIA

January 2016 Fellow of Indian college of radiology & imaging (**FICR**)
Indian Radiological & Imaging Association, New Delhi, INDIA

November 2022. **Edir**

December 2022 **MICR**

RADIOLOGICAL TEACHING EXPERIENCE

- **Professor and HOD** in Radiology, Govt Stanley Medical college, 09-04-2014 to till date
- Associate Professor in Radiology, Govt Stanley Medical college, 09-04-2010 to 08-04-14
- Assistant Professor, Madras Medical College, Chennai, 10-06-2006 to 08-04-2010
- Assist Professor, Government Vellore medical college, 09-04-05 to 08-06-06
- Senior Resident/Tutor, Madras Medical College, 10-02-2002 to 23-02-2005

AREAS OF INTEREST

Magnetic Resonance Imaging (including diffusion tensor imaging, MR spectroscopy,)
Neuroradiology (Epilepsy, Neurodegenerative diseases, Brain tumor, Movement disorders), **paediatric neurology** (leukodystrophy, cerebellar atrophy, spinal dysraphism), head and neck and **musculoskeletal imaging**

MEDICAL REGISTRATION

Tamilnadu Medical Council, chennai (REG.no.60775)

PUBLICATIONS

1. Case report on **Pentalogy Of Cantrell** P.Alagappan, **A Chellathurai** T S Swaminathan, S Mudali, N.Kulasekaran in Indian Journal of Radiology and Imaging, **Ind J Radiol Imag** 2005 15:1:81-84
2. **Ct Guided Biopsy Of Lung Masses Using An Automated Guiding Apparatus**, Amarnath, Saneerj, Kabilan, T.S.Swaminathan, N.Kulasekaran, **Ind J Radiol Imag** 2009, 19:3:206-207
3. **Structural And Chemical Neuroimaging In Dementia: A Review**, Lakshminarasimhan Ranganathan¹, Anusha Doraiswamy², Balasubramanian Samivel³, **Amarnath Chellathurai**, Srinivasaraman Govindarajan, Priti Nagwani, Kannan Vellaichamy, **asian journal of cognitive neurology**, AJCN 2013; VOL 1(2):PAGE 7 - 19
4. An interesting case of metabolic dystonia: **L-2 hydroxyglutaric aciduria**, Padma Balaji, V. Viswanathan, **Amarnath Chellathurai**¹, Debasis Panigrahi, Annals of Indian Academy of Neurology, January-March 2014, Vol 17, Issue
5. **Automation of Lung Nodule Segmentation Using Artificial Neural Network in CT Lung Images**, S.Saravanan¹, G.Selvakumar², **C.Amarnath**³, S.Manikandan International Journal of Science and Applied Information Technology (**IJSAIT**), Vol. 3, No.3, Pages : 16 - 19 (2014)
6. **Acute Hemorrhagic Leucoencephalitis**, **Amarnath Chellathurai**¹ & Silambarasi Ponnusamy¹ & A. Periakaruppan³ & K. Gopinathan² & J. Philson⁴ **Indian J Pediatr**, july 2015
7. **Primary diffuse leptomeningeal oligodendrogliomatosis: A case report and literature review**, **Amarnath Chellathurai**, Jay S Vaidya, Gopinathan K, Periakaruppan AL **Ind J Radiol Imag** 2016;26:337-41.
8. **Neonatal parechovirus leucoencephalitis- radiological patternmimicking hypoxic-ischemic encephalopathy** C. Amarnath, T. Helen Mary, A. Periakaruppan, K. Gopinathan, J. Philson, **European Journal of Radiology** 85 (2016) 428–434

9. **Unruptured multi-compartmental left sinus of Valsalva aneurysm with chronic dissection of inter-atrial septum and left ventricular free wall** Amarnath C1, Sathyan G2, Periakarupan A3, Ganga Devi R4, Kanimozhi D5 *Panacea Journal of Medical Science, September - December 2015:5(3);166-170*
10. **“MR Sialography and Conventional Sialography in Salivary Gland and Duct Pathologies - A Comparative Study”** Amarnath Chellathurai1, Sathyan Gnanasigamani2, Shivashankar Kumaresan3, Suhasini Balasubramaniam4, Kanimozhi Damodarasamy5, Komalavalli Subbiah6, Sivakumar Kannappan7, Balaji Selvaraj8 *Journal of Evolution of Medical and Dental Sciences/ eISSN- 2278-4802, pISSN- 2278-4748/ Vol. 05/ Issue 52/p3367-3372 June 30, 2016, 2016*
11. **"Utility of 3D double inversion recovery sequences in detecting Small grey and white matter lesions in patients with multiple sclerosis** Amarnath Chellathurai , Sukumar Ramaswami , Sathyan Gnanasigamani, Sivakumar Kannappan* , Anushuya Gunaseelan, *Indian Journal Of Applied Research, Volume - 10 | Issue - 10 | October - 2020 | PRINT ISSN No. 2249 - 555X | DOI : 10.36106/ijar*
12. **Multidetector Computed tomography in the Evaluation of Childhood Intestinal Lung Diseases,** Amarnath C1, Balaji S1, Suhasini B 1, Deepa S1, *IOSR Journal of Dental and Medical Sciences (IOSR-JDMS), e-ISSN: 2279- 0853, p-ISSN: 2279-0861. Volume 15, Issue 6 Ver. V (May. 2016), PP 37-42*
13. **Surgical Utility of Preoperative Combined Functional MRI Imaging,** Amarnath C1, Sathyan G2, Silambarasi ponnusamy2, Suhasini B, Periyakaruppan A, *IOSR Journal of Dental and Medical Sciences (IOSR-JDMS) e-ISSN: 2279-0853, p-ISSN: 2279-0861. Volume 15, Issue 6 Ver. XII (June 2016), PP 19-26*
14. **Atypical Parkinsonism : Disentangling the Clinical Conundrum.** Lakshmi Narasimhan Ranganathan1 , Somasundaram Aadhimoolam Chinnadurai1 , **Amarnath Chellathurai2** , Suriyakumar Govindarajulu3 *journal of international medical sciences academy JIMSA January - March 2016 Vol. 29 No. 1*
15. **Evaluation of embryological sequences of valuation of embryological sequences of ear anomalies and its radiological relevance** C. Amarnath, G. Sathyan, R. Soniya, A. L. Periakaruppan1 , K. Shiva Shankar *Indian journal of otology 2016;22:248-57.*
16. **CAD for demarcation of malignant and benign, nodules in CT lung images of spiculated nodules** *Int. J. Biomedical Engineering and Technology, Vol. 24, No. 1, 2017 33,* S. Saravanan*, G. Selvakumar, C. Amarnath, S. Udayabaskaran
17. **Role of Diffusion Tensor Imaging In Intractable Unilateral Mesial Temporal Lobe Epilepsy** Amarnath C1, Bhoopathy R M2, Suhasini B1, Prem Chand1, Gopinathan K3, Philson J4, Kanimozhi D1 *IOSR Journal of Dental and Medical Sciences (IOSR-JDMS) e-ISSN: 2279-0853, p-ISSN: 2279-0861. Volume 16, Issue 6 Ver. IV (June. 2017), PP 01-08*
18. **Diffusion tensor imaging metrics in cystic intracranial mass lesions** Amarnath Chellathurai, Priya Muthaiyan, Sathyan Gnanasigamani, Periakarupan Alakappan1 *Indian J Radiol Imaging 2017;27:457-62*
19. **"idiopathic chondrolysis of hip in children: new proposal and implication for the radiological staging,** Amarnath C, Muthaiyan P, Mary TH, Mohanan S, Gopinathan K. *Indian J Radiol Imaging 2018;28:205-13*
20. **Dorsal Spinal Ligamentum Flavum Thickening: A Magnetic Resonance Imaging Study** Amarnath Chelladurai, Suhasini Balasubramaniam, Sarenaya Preyah Anbazhagan, Sathyan Gnanasigamani, Sukumar Ramaswami *Asian Spine J 2018;12(1):1-6 • https://doi.org/10.4184/asj.2018.12.1.1*
21. **Pathophysiology and grading of the ventral displacement of dorsal spinal cord (VDDSC) spectrum,** Amarnath Chellathurai, Suhasini Balasubramaniam, Sathyan

- Gnanasighamani, Sukumar Ramasamy, Jayamani Durairajan **Asian Spine J** , April 2018 ,12(2):224-231
22. **Role of Color Doppler in Unilateral Acute Renal Obstruction** Dr.Balaji Selvaraj 1 ,Dr.Suhasini Balasubramaniam 2 ,**Dr.Amarnath Chellathurai3** ,Dr.Sathyan Gnanasighamani4, Dr.Rajakumari Thirumaran5 **IOSR Journal of Dental and Medical Sciences** (IOSR-JDMS) e-ISSN: 2279-0853, p-ISSN: 2279-0861. Volume 15, Issue 10 Ver. X (October. 2016), PP 44-56
 23. **Assessment of Normal Cerebral SULCAL Development in Foetus Using MRI** Sathyan Gnanasighamani 1, Periakaruppan Alagappan 2 , **Amarnath Chellathurai3** , Rajakumari Thirumaran4 , Sivakumar Kannappan5,Balaji Ayyamperumal 6 Department of Radiodiagnosis, Stanley Medical College, Chennai- 600001 **IOSR Journal of Dental and Medical Sciences** (IOSR-JDMS) e-ISSN: 2279-0853, p-ISSN: 2279-0861. Volume 17, Issue 2 Ver. 9 February. (2018), PP 44-53
 24. **Role of High Resolution Ultrasonogram and Elastography In Cervical Lymphadenopathy** Dr.Suhasini.B, Dr. Periyakaruppan.A.L, Dr. BarakathNisha.A, **Dr.Amarnath.C**, Dr. Sathyan.G **IOSR Journal of Dental and Medical Sciences** (IOSR-JDMS) e-ISSN: 2279-0853, p-ISSN: 2279-0861. Volume 17, Issue 3 Ver.9 March. (2018), PP 05-10
 25. **Magnetic Resonance Spectroscopy In Children With Non-Acute Neurological Illness** ,**Amarnath Chellathurai1**, *Sukumar Ramaswami2, Sebastian Antony Xavier3, A Thangalakshmi4, Sivakumar Kannappan5, Balaji Ayyamperumal, J. Evolution Med. Dent. Sci./eISSN- 2278-4802, pISSN- 2278-4748/ Vol. 7/ Issue 20/ May 14, 2018*
 26. **In Vivo Proton Mr Spectroscopy In Diagnosis Of Intracranial Cystic Lesions** *Sukumar Ramasamy1, Periakaruppan Alagappan2, Amarnath Chellathurai3, Priya Muthaiyan4, Suja Rajan5 J. Evolution Med. Dent. Sci./eISSN- 2278-4802, pISSN- 2278-4748/ Vol. 7/ Issue 19/ May 07, 2018*
 27. **Paediatric Stroke- An Analysis On Artery Of Paediatric Infarct- Lenticulostriate Arteries** *Sukumar Ramasamy1, Periakaruppan Alagappan2, Viswanathan Venkataraman3, Amarnath Chellathurai4, Suvec Alagu Sethuraman Alagarsamy5, Praveen Kumar Mani6 J. Evolution Med. Dent. Sci./eISSN- 2278-4802, pISSN- 2278-4748/ Vol. 7/ Issue 21/ May 21, 2018*
 28. **Evaluation Of Incidental Lumbar Spondylolysis By Computed Tomography** **Amarnath Chellathurai1**, *Sivakumar Kannappan2, Felcy Melba3, Sathyan Gnanasighamani4, Suhasini Balasubramaniam5 J. Evolution Med. Dent. Sci./eISSN- 2278-4802, pISSN- 2278-4748/ Vol. 7/ Issue 21/ May 21, 2018*
 29. **Diagnostic Utility Of Avc Value Of The Spleen In Assessing Severity Of Portal Hypertension In Cirrhosis** Komalavalli Subbiah, Balaji Ayyamperumal, **Amarnath Chellathurai** Sathyan Gnanasighamani, Suhashini Balasubramaniam5, Sivakumar Kannappan **J. Evolution Med. Dent. Sci.** 2018;7(23):2814-2818, DOI: 10.14260/jemds/2018/635.
 30. **Boundary Optimization Of Ground Glass Opacity In Ct Images Of Lung Cancer** Saravanan S.1, Selvakumar G.2, Amarnath C.3 and Manikandan S.4 **VOL. 12, NO. 17, September 2017 ISSN 1819-6608 ARPN Journal of Engineering and Applied Sciences**
 31. **Precise Classification of calcified nodule as Malignant and Benign using Variogram and Statistical Parameters"** accepted for printing in **International Journal of Tomography & Simulation**, Issue No. 2,Vo. 32, 2019,
 32. **Role of 3D SPACE sequence and susceptibility weighted imaging in the evaluation of hydrocephalus and treatment-oriented refined classification of hydrocephalus** Chellathurai A, Subbiah K, Abdul Ajis BN, Balasubramaniam S, Gnanasighamani S. **Indian J Radiol Imaging** 2018;28:385-94.

33. **Adhesive capsulitis: MRI correlation with clinical stages and proposal of MRI staging** Amarnath Chellathurai, Komalavalli Subbiah, Atchaya Elangovan, Sivakumar Kannappan Indian J Radiol Imaging 2019;29:19-24.
34. **Segmental Spinal Dysgenesis—“Redefined”** Amarnath Chellathurai¹, Balaji Ayyamperumal¹, Rajakumari Thirumaran¹, Gopinathan Kathirvelu², Priya Muthaiyan¹, Sivakumar Kannappan¹ Asian Spine J 2019;13(2):189-197.
35. **Role of MR Enterography in evaluation of disease activity in Pediatric Crohn’s Disease : Correlation between MRE and PCDAI scores,** Journal of Gastrointestinal and Abdominal Radiology Shilpa Radhakrishnan¹ Amarnath Chellathurai² Srinivas Sankaranayanan³ Dharani Sankar² Suja Rajan² J Gastrointestinal Abdominal Radiol ISGAR:2020;3:118–125
36. **Mr appearance of saturated bile: association with Pancreaticobiliary pathologies** Amarnath Chellathurai, Sudhakar Vadivel, Chezhan Jayabalan, Chirtrarasan Paraman*, Resnik Banu, Sivasakthi, international journal of scientific research, volume - 9 | issue - 9 | September - 2020 | print issn no. 2277 - 8179 | doi : 10.36106/ijsr
37. **Usefulness of various dynamic and static parameters in sleep mri studies - do their incorporation in routine reporting in patients with obstructive sleep apnea prove valuable ?** Amarnath Chellathurai, Sudhakar Vadivel, Chezhan Jayabalan, Priya Muthaiyan*, Sebastian Xavier, Indian Journal Of Applied Research, Volume - 10 | Issue - 9 | September - 2020 | print issn no. 2249 - 555x | doi : 10.36106/ijar
38. **Postoperative evaluation and expected complications of peroral endoscopic myotomy for achalasia cardia - using low dose multi detector computed tomography with oral contrast** Amarnath Chellathurai, Chezhan Jayabalan, Nellaiappan Chelliah, Sathyan Gnanasigamani* , Karthik Ganesan Indian Journal Of Applied Research, Volume - 10 | Issue - 9 | September - 2020 | print issn no. 2249 - 555x | doi : 10.36106/ijar
39. **Presacral soft tissue oedema in peri anal fistula—mri correlation** Amarnath Chellathurai, Sakthivel Raja Ganesan, Sivakumar Kannappan, Chirtrarasan Paraman* Maanasa Sajja, Indian Journal Of Applied Research, Volume - 10 | Issue - 9 | September - 2020 | print issn no. 2249 - 555x | doi : 10.36106/ijar
40. **Mri defecogram – usefulness of defecation phase in detection of rectal pathologies.** Amarnath Chellathurai, Chirtrarasan Paraman , Sukumar Ramaswami , Sakthivel Raja Ganesan * , Pragadesh Pandiyan, Indian Journal Of Applied Research, Volume - 10 | Issue - 9 | September - 2020 | print issn no. 2249 - 555x | doi : 10.36106/ijar
41. **Diagnostic accuracy of contrast enhanced ultrasonography in focal liver lesions detected by contrast enhanced computed tomography,** Sathyan Gnanasigamani, Amarnath Chellathurai, Priya, sivakumar, karthick rajan, international journal of scientific research, volume - 9 | issue - 10 | october - 2020 | print issn no. 2277 - 8179 | doi : 10.36106/ijsr
42. **utility of 3d double inversion recovery sequences in detecting small gray and white matter lesions in patients with multiple sclerosis** amarnath indian journal of applied research volume - 10 | issue - 10 | october - 2020 |
43. **“a novel attempt in estimation of fetal weight using new soft tissue measurements”** sathyan gnanasigamani, amaranth International Journal of Scientific Research Volume - 10 | Issue - 05 | May – 2021
44. **“various approaches of percutaneous transhepatic biliary drainage in malignant biliary obstruction and their correlation with patient clinical and biochemical outcome”** chezhan jayabalan amaranth indian journal of applied research volume - 11 | issue - 04 | april – 2021

45. "comparison of the accuracy of dwi and 128-slice multidetector triple phase ct in screening hepatocellular carcinoma in patients with chronic liver disease"
46. diffusivity and biochemical age-related changes of normal prostate, amarnath chellathurai gjra - global journal for research analysis volume - 10, issue - 05, may-2021
47. **ultrasonographic measurement of placental thickness and its correlation with estimated fetal weight**, chirtrarasan p, amaranth chellathurai, international journal of scientific research volume - 10 | issue - 05 | may - 2021
48. **Role Of Computed Tomography In Glenohumeroscapular Dysplasia Following Obstetric Brachial Plexus Injury** Amarnath Chellathurai, Kanimozhi Damodarasamy, Atchaya Elangovan, Sivakumar Kannappan Indian J Radiol Imaging Cervical cord in flexion
49. EVALUATION OF PERFORMANCE OF LUNG ULTRASOUND (LUS) IN PAEDIATRIC PNEUMONIA ,chirtrarasan p, Bharathi Priya Raju ,Jayavarma Rajendran Thanga Meena Muthukumar* Thivakaran Thamilarasan amaranth chellathurai, GJRA - GLOBAL JOURNAL FOR RESEARCH ANALYSIS , VOLUME - 10, ISSUE - 05, MAY- 2021
50. **Spinal Dysraphisms: A New Anatomical- Clinicoradiological Classification Amarnath Chellathurai**¹ Gopinathan Kathirvelu² Philson J. Mukkada³ Kiruthika Rajendran¹ Rajashree Ramani¹ Indian J Radiol Imaging 2021;31:809–829.
51. **Reducing Perinatal Mortality in India: Two-Years Results of the IRIA Fetal Radiology Samrakshan Program** ,Rijo M. Choorakuttil¹ Bavaharan Rajalingam² Shilpa R. Satarkar³ Lalit K. Sharma⁴ Anjali Gupta⁵ Amarnath Chelladurai, Indian J Radiol Imaging 2022;32:30–37.
52. **GUHAN**

CHAPTERS IN TEXT BOOK

- **Imaging in multiple sclerosis** -Chapter in progress in clinical sciences, volume 27 ,2012
- **Magnetic Resonance Imaging (MRI) In Pediatric Neuroimaging**, chapter 38, in practical paediatric digest
- **Advances in neuroimaging (843-857)** - chapter in IAN text book of neurology, 2018, "Lakshmi Narasimhan Ranganathan, Amarnath Chelladurai, Kaliappan G Srinivasan. Advances in Neuroimaging. In: Arabinda Mukherjee, ed. IAN Textbook of Neurology. 1st edition. New Delhi: Jaypee Brothers Medical Publishers; 2018. p. 843-54
- **API text book of medicine 2020- spinal cord imaging**
- **API text book of medicine 2020- PET CT in clinical practice**
- **Dejongs the neurological examination- chapter**
- **Chapter in localization in clinical neurology**
- **Chapter in practical neurology**
- **Chapter in Annals of IMA AMS**

TEXT BOOKS

- Editor, Applications and essentials of radiologic physics -2023 (CBS publication)
- Editor, Radiology exam made easy -2019, vanathi pathipakam,
- Editor ,comprehensive text book of clinical Radiology-2022 (elsevier)

PUBLICATIONS IN MAGAZINES

PRESENTATIONS AT INTERNATIONAL LEVEL

- Eighth South Asian Regional Conference on Clinical Ultrasonography in Practice on 27th –29th September 2002, Chennai, India.
- Attended and Presented a scientific paper on the **role of Percutaneous Vertebroplasty** in 6th Asia Pacific Congress of Cardiovascular and Interventional Radiology on Nov 2004, Delhi.
- The royal free hampsted FRCR revision course, 23rd and 24th September 2006, United Kingdom
- International skeletal society, 35th annual congress, Oct 29th to Nov1st,2008, New Delhi, India
- GE users meet, kota kinabalu, 22nd and 23rd may 2008, Malaysia
- Attended and participated as **Indian panelist** in the junior image interpretation quiz between India vs Europe in **ECR 2008, at Vienna** March 7th to 11th, 2008,.
- Attended Annual meeting of Radiological Society Of North America, November 2009.
- **Presented and conducted workshop** in international conference on Inborn errors of metabolism & 2nd national conference of ISIEM, on 4-7th April, 2013.
- Presented a scientific poster on the " Staging and assessing the prognostic value of early diagnosis of idiopathic chondrolysis of hip" and " Uncommon osteochondrosis of lower extremity " in the **3rd Joint Congress Of The Asian Musculoskeletal Society (Ams) And The Arabian Gulf Society Of Skeletal Radiology (AGSSR)** 15th and 16th February, 2016 - **kuwait**
- Presented a scientific paper on the **role of double inversion recovery sequence in multiple sclerosis** in the Asian oceanic conference (AOCR2018) on January 25-28th 2018, Mumbai.
- Presented a scientific paper on the **DTI in unilateral intractable mesial temporal sclerosis** in the Asian oceanic conference (AOCR2018) on January 25-28th 2018, Mumbai.
- Presented a scientific poster on the **segmental spinal dysgenesis-redefined** in the Asian oceanic conference (AOCR2018) on January 25-28th 2018, Mumbai. Attended and delivered a lecture on the **paediatric cerebellar atrophy** in the Asian oceanic conference (AOCR2018) on January 25-28th 2018, Mumbai
- **Moderator for the 'State-of-the-art paediatric neuroradiology'** (RC 811) Thursday, March 1, 2018 in the **ECR 2018**.
- **Educational Exhibit** Segmental Spinal Dysgenesis - 'Redefined' ID: 18010258, RSNA 104th Scientific Assembly and Annual Meeting, November 25 - November 30, 2018, McCormick Place, Chicago, Illinois
- **Moderator** For The scientific session "SS 1811b - Neuroradiology: miscellaneous" at **ECR 2019**. on Sunday, March 3 from 10:30-12:00 in the room Tech Gate Auditorium.
- Delivered a lecture on Imaging in paediatric neurometabolic disease The scientific session " Meets 2 - Radiology in India " at **ECR 2021**. on wednesday, March 3 , 2021 from 10:30-11:30 (CET)

IRIA, ICRI CONFERENCES ATTENDED

- Attended and presented a topic on **Imaging in inborn errors of metabolism** at 12th annual conference of INDIAN SOCIETY OF PAEDIATRIC RADIOLOGY (ISPR) ,on 12th and 13th September, 2014, Vellore.

- Participated and delivered a lecture on MRI in **Paediatric musculoskeletal lesions** at 20th Annual Conference of Pediatric Orthopaedic Society of India(POSICON 2014) held on 10th to 13th January 2014
- Attended and presented a topic on **MRI Imaging in spinal emergencies** at 66th state annual INDIAN RADIOLOGY AND IMAGING ASSOCIATION (TN&PY chapter) conference, on 13th to 14th December, 2013, Vellore.
- Attended and presented a lecture in **BISICON 2013**, organised by breast imaging society of India (BISI), on 5th and 6th of October 2013, Chennai.
- Attended and presented a lecture on **cardiac CT** in the IX Biennial conference of nuclear cardiological society of India, 25-27th, October, 2013, Chennai.
- Presented and conducted workshop in international conference on **Inborn errors of metabolism** & 2nd national conference of ISiem held on 4th -7th April, 2013.
- Attended and presented a topic on **CT Scan in small bowel pathologies** at 65th state annual INDIAN RADIOLOGY AND IMAGING ASSOCIATION (TN&PY chapter) conference held from 14th to 16th December, 2012, Coimbatore.
- Participated and delivered a lecture on **basic radiological investigations** at 22nd All India Intensive PostGraduate Training Programme in Internal medicine organised by Associations of Physicians of India held from 21st to 23rd December 2012.
- Attended and presented a lecture on **MRI in Leucodystrophies** at 65th annual congress of INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference held from January 28th to 31st, 2012, Hyderabad
- Attended and presented a topic on 64th state annual INDIAN RADIOLOGY AND IMAGING ASSOCIATION (TN&PY chapter) conference, on 9th to 11th December, 2011, Chennai.
- Presented a lecture on **Congenital mullerian anomalies and carcinoma uterus** at the Dr.Harnam Singh Mid-Term CME ICRI-2010, held on August 2010, Vijayawada, India
- Participated in 62nd annual congress of INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference, on January 7th to 11th, 2009, Patna
- Participated in 61st state annual INDIAN RADIOLOGY AND IMAGING ASSOCIATION (TN&PY chapter) conference, on 5th to 7th December, 2008, Chennai.
- Participated in 6th national conference of the Indian society of pediatric radiology, 20th and 21st September, 2008 at Chennai
- Participated in Emergency and endocrine imaging -the Dr.Harnam Singh Mid-Term CME ICRI-2008, held on 7th- 9th August 2008, Chennai, India

- Participated in 61st Annual Congress of Indian Radiological and Imaging Association on January, 2008, Bangalore, India.
- Participated in 60th state annual INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference, on 16th to 18th November 2007, Chidambaram.
- Participated in 60th Annual Congress of Indian Radiological and Imaging Association on January, 2007, Mumbai, India.
- Participated in 59th Annual Congress of state Indian Radiological and Imaging Association on 16th and 17th December– 2006, and preconference workshop on 15th December– 2006, Chennai, India
- Participated in 9th Annual meeting of Indian society of vascular and interventional radiology, 10th to 12th November ,2006, Chennai, India.
- Participated in 59th Annual Congress of Indian Radiological and Imaging Association on 5th -8th January, 2006, Chennai, India
- Participated in Indian Society Of Vascular Interventional Radiology midterm CME on 23rd July 2005, at Chennai, India
- Participated in 58th Annual Congress of Indian Radiological and Imaging Association on 22nd -25th January, 2005, Agra, India
- Participated in 57th state Annual Congress of Indian Radiological and Imaging Association on 27th-28th , November, 2004, Kodaikanal, India.
- Participated in Dr.Harnam Singh Mid-Term CME ICRI-2004, 6th- 8th August 2004, Chennai, India.
- Participated in 57th Annual Congress of Indian Radiological and Imaging Association on 8th-11th January, 2004, Hyderabad, India.
- Participated in 56th Annual Conference of pediatric Imaging and Intervention Fest - 2003, on 12th –13th December 2003, at Pondicherry, India.
- Participated in 56th Annual Congress of Indian Radiological and Imaging Association on 4th –7th , January 2003, Jaipur, India.
- Participated in 55th state Annual Congress of Indian Radiological and Imaging Association on 23th-24th November – 2002, Chennai, India.
- Participated in 1st annual conference of Indian society of vascular & and interventional radiology (ISVIR), Trivandrum, India.
- Participated in 51th state Annual Congress of Indian Radiological and Imaging Association on 12th-13th December, 1998, Kodaikanal, India.
- Participated in DR.GYAN . P. LAL CME by Indian Radiological and Imaging Association on 20-21st May 2017, Delhi

PRESENTATIONS AT NATIONAL LEVEL

- Rare 2023
- Star primer 2023
- Delivered a imaging of spine in calirad, January 7th, 2023
- Delivered a lecture on pancreatic imaging and conducted quiz in the 48th Annual conference of assam State Chapter of Indian Radiological & Imaging Association from. 6th -8 th , january 2023 in kaziranga,assam
- Presenting a lecture of imaging on epilepsy in the Chinese conference of radiology on December 20-24, 2022
- Delivered Prof. IDA SCHUDER Memorial Oration-2022 in the 75th Annual conference of Tamilnadu State Chapter of Indian Radiological & Imaging Association from 16th -18 th , December 2022 in hotel ,leelapalce , chennai
- Delivered Prof. Jayanarasimhulu Memorial Oration-2022 in the 8th Annual Telangana State Chapter of Indian Radiological & Imaging Association from 15th & 16th October,2022 at Pratima Institute of Medical Sciences, Karimnagar
- Presented lecture on neuroinfections , IREP, cmc vellore , on 1-2, October 2022
- Presented a lecture on multiple sclerosis mimickers in the annual uttarpradesh state chapter conference in Kanpur on sept 24-25, 2022
- Presenting a lecture on anatomy,sequence and basic reporting in neuroimaging on sept 23,2022 chennai in the 5th annual conference of neurocritical care .
- Presenting imaging in pancreas in the surgical gastro update in Stanley medical college on September 12th , 2022
- Delivered a lecture on computed radiography and digital radiography , and also conducted quiz in the IREP , august 6 and 7TH , 2022,karamsad, Gujarat
- Presented A lecture on PET CT in oncology in the 8th annual conference of **andhrapradesh chapter of IRIA** on July 29th-31st ,2022 at Kurnool.
- Honoured with Dr N.G GADEKAR oration award in the 74th ANNUAL CONFERENCE OF IRIA at BANGALORE , 24-27 th ,March 2022 and delivered oration – imaging in spinal dysraphism
- Presented a lecture on **role of whole body ct scan** in the CME programme TNOACON 2022 by TNOA, trichy on 16, march 2022
- Presented a lecture on **advanced neuro imaging** in the CME programme RARE 2022(Ramachandra Advanced Radiology Education)-conducted by Sri Ramachandra University on 5th– 9th, Feb 2022
- Attended and presented a topic on **radiology higher educations** at 74th state annual INDIAN RADIOLOGY AND IMAGING ASSOCIATION (TN&PY chapter) conference,on 19th to 21st december,2021, coimbatore
- Delivered a lecture on epilepsy , november 27 and 28TH , 2021, IREP,mahabub nagar
- Conducted a interactive case BASED review in head and neck radiology in the IRIA-midterm CME conducted in 12-09-2021, ahemadabad
- Delivered a lecture in unusual cases in radiology in the IRIA master class conducted by delhi state chapter of IRIA in August 2021
- Conducted a interactive case discussion in head and neck radiology in the IRIA-ICRI cme conducted in may 2021
- Delivered a lecture of musculoskeletal radiology in the 1st tamilnadu orthopaedic association post graduate crash course at Chennai, 9-11 april 2021.
- Honoured with **Dr R R Rishi oration award** in the 36th IRIA MPCON at indore , 20-21 th ,March 2021 and delivered oration – imaging in epilepsy

- Presented a lecture on CV JUNCTION in the IRIA-ICRI cme march 2021
- Presented a lecture on **epilepsy imaging** in the CME programme RARE 2021 (Ramachandra Advanced Radiology Education)-conducted by Sri Ramachandra University on 5th– 9th, Feb 2021
- Chaired a session on covid imaging by on 06-11-2020, ELETS RADIOLOGY AND IMAGING SUMMIT
- Presented A lecture on imaging in neonatal distress in the 6th annual conference of **andhrapradesh chapter of IRIA** on September 27th, 2020
- Presented IMAGING IN DISC DEGENERATION - NEWER NOMENCLATURE AND CURRENT CONCEPTS. on 7th and 8th March, 2020. Karavali Radcon2020, Mangalore.
- CT Mediastinal masses: A Systematic Approach, Cross sectional Imaging of the inflammatory bowel disease: Simplifying the Diagnostic Dilemma, organised by MARATHWADA CHAPTER OF MSBIRIA. 28th Feb to 1st March 2020 at Carnival Resort , Latur
- conduct a quiz on **neuro imaging** in the CME programme SHINE 2020 on 23rd Feb 2020, Chennai
- Presented inflammatory bowel disease on 22nd & 23rd Feb, 2020. Madhya Pradesh con 2020, Jabalpur.
- Delivered a lecture and conducted mock viva 14-15th February 2020 at AIIMS, Jodhpur
- Presented a lecture on **advanced neuro imaging** in the CME programme RARE 2020 (Ramachandra Advanced Radiology Education)-conducted by Sri Ramachandra University on 5th– 9th, Feb 2020
- Presented a lecture on **advanced neuro imaging** in the CME programme 2nd, Hotel Saveria, Feb 2020
- Participated and delivered lecture on "**interpretation of MSK radiographs: a forgotten art**" and chaired a session at 73rd annual congress of INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference, on January 23rd to 27th, 2020, Ahmedabad.
- Delivered a lecture on , **workshop in neuro imaging, how to attend viva, Electromagnetic radiation, ultrasound physics** in the CME programme STAR PRIMER 2019, conducted by Stanley Medical College on Jan 15th – Jan 17th 2020
- Presented two lectures in APICON2020 -Spinal cord imaging, PET Scan for physicians at Agra on 11:45- 12:45 PM, 07.01.2020, Tuesday
- Presented Luminal Radiology, Plain X ray abdomen: Dr Amarnath (Chennai), 11.15 TO 12.15 PM : **5th January 2020 (Green Park Hotel, Chennai)** annual prestigious Gastroenterology Young Masters (GYM) Program, under the aegis of Indian Society of Gastroenterology
- Attended and presented "**neuro infections- imaging**" in the 72nd state annual Indian Radiology And Imaging Association (TN&PY chapter) conference, on 13th to 15th December, 2019, Pondicherry.

- Presented a lecture "infections –what we have learned" at RSNA 2019, at the Chicago, McCormick place, 10:30 AM - 12:00 AM **December 2, 2019**
- Delivered a lecture on **neck spaces** in **American Institute for Radiologic Pathology (AIRP)** head and neck radiology Course & Hands on workshop in Chennai on 18-10-2019 to 19-10-2019
- Delivered a lecture on Annual State Conference of Chhattisgarh, Raipur, Oct 13,
- Delivered a lecture on dementia, temporal bone imaging in Annual State Conference of Uttar Pradesh, Agra, Oct 12,
- ERCP vs MRCP, September 14 and 15TH, IREP, Vellore
- Delivered lecture on CNS tuberculosis and TB vs neurocysticercosis, September 15th, Salem
- Delivered a lecture on acute abdomen in the emergency radiology conference at Bangalore on August 25th,
- Delivered a lecture on protocols in imaging GIT and HBS in Dr. Harnam Singh mid-term CME, Hubli, August 10-11
- CT & MRI in Day to Day Practice in Paediatrics, lecture in Madras Pediatric, 44th annual conference of Indian Academy of Paediatrics –TN branch, 18th August 2019
- Delivered a lecture on HRCT lung, 9th August, Manakula Vinayaga Medical College, Pondicherry
- Delivered lecture on case-based review in abdominal pain and distension in 65-year-old, DAI, SCHIWORA in the 5th annual conference of **Andhra Pradesh Chapter of IRIA** in Nellore on July 27th and 28th, 2019
- Delivered a lecture and conducted mock viva 13-14th April 2019 at AIIMS, Jodhpur
- Presented a lecture "spinal dysraphism" in the 10th national ISPR mid-term CME in Pondicherry on 30 & 31-03-2019.
- Presented a lecture in the annual conference of **Gujarat Chapter of IRIA**, on 15th March, 2019 at Ahmedabad
- Delivered a lecture on neck spaces, intracranial tumours, imaging in neurological complications of HIV, AND exam case spotters in the Kakatiya Resident Education Programme (**KARE**), organized by Telangana State Chapter of IRIA at Hyderabad on March 8-10th, 2019
- Presented posters PERPLEXING OSTEOCHONDROSIS OF LOWER EXTREMITY –Made Easy (Educational Exhibit), "In Utero Brain Curves" - Analysis and Staging (Scientific Exhibit), STRESS FRACTURES in CURIOUS CORRIDORS (Educational Exhibit), Role of 3D space sequence and susceptibility weighted imaging in the evaluation of hydrocephalus and proposal of refined definition and classification of hydrocephalus (Scientific Exhibit) at **ECR 2019**, at the Austria Center from **February 27 to March 3, 2019** in Vienna, Austria.
- Presented voice of EPOS **panorama of CNS tuberculosis** (educational exhibit), VoE 005
neuro, Wednesday, Feb 27th, 2019, 13:00-14:00 Voice of EPOS Stage 1 at **ECR 2019**, at the Austria Center from **February 27 to March 3, 2019** in Vienna, Austria.
- Presented voice of EPOS **idiopathic chondrolysis of hip in children: new proposal and implication for the radiological staging** (Scientific Exhibit) VoE 219
Musculoskeletal, Sunday, March 3, 2019, 12:00-13:00 Voice of EPOS Stage 4 at **ECR 2019**, at the Austria Center from **February 27 to March 3, 2019** in Vienna, Austria.
- conducted a quiz on **neuro imaging** in the CME programme SHINE 2017 on 24th Feb 2019, Chennai
- presented chest X-ray made easy in the Chennai subchapter of IRIA, on 24th Feb 2019, Chennai

- Presented a lecture on **Epilepsy imaging** and **advanced neuro imaging** in the CME programme RARE 2019 (Ramachandra Advanced Radiology Education)-conducted by Sri Ramachandra University on 14th– 17th, Feb 2019
- Presented a lecture on how to attend theory exam, cardiac ct and mri and mock exam with exam cases at vijayawada on feb 9 th and 10th,2019 in GRASP pg teaching programme, organised by ANDHRA state chapter of IRIA
- Presented a lecture on radiological anatomy of abdomen, pelvis , retroperitoneum in the radiology physics and anatomy course –**RADIANT 2019** at Coimbatore on feb 9th and 10th
- Delivered a lecture on , **workshop in neuro imaging, how to attend viva, Electromagnetic radiation, ultrasound physics** in the CME programme STAR PRIMER 2019, conducted by Stanley Medical College on Jan 25th – jan 27th 2019
- chaired the session in the Apollo cancer conclave ,January 24,2019
- Presented a paper on **paediatric ILD** at 72nd annual congress of INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference, on january 17th to 20TH ,2019, chandigarh
- Participated and delivered lecture on "**Temporal bone anatomy: The secrets** "and chaired a session at 72nd annual congress of INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference, on january 17th to 20TH ,2019, chandigarh.
- Attended and presented "**pitfalls in abdominal imaging**" in the 71st state annual Indian Radiology And Imaging Association (TN&PY chapter) conference,on14th to 16th december,2018, chennai
- Presented a paper" *Adhesive Capsulitis: MRI Correlation with Clinical Stages and Proposal of MRI Staging*, at **RSNA 2018**, at the chicago,mc cormik place, 10:50 AM - 11:00 AM **november 28, 2018**
- Presented a poster "*Segmental Spinal Dysgenesis - 'Redefined'*" at **RSNA 2018**, at the chicago,mccormik place **november 25-30, 2018**
- Attended Annual meeting of Radiological Society Of North America, November 25-30,2018.
- Attended and presented Exam oriented Approach to Preparation and participated in the panel discussion & interactive session with budding radiologists at **2nd IRIA Resident Education, programme (IREP)**conference, on November 17th to 18th , 2018 Amristar
- Attended and delivered a lecture on dynamic pelvic floor imaging in recent advances in radiology - the indo-us update in annual conference of **telungana chapter of IRIA** in hyderabad on october 12-14th, 2018
- Attended and conducted a quiz and mock clinical exam in ahemadabad,6-7 th, october organized by Gujarat **chapter of IRIA**
- Attended the foetal radiology CME ,on 22-23rd ,2018at cochin, organised by IRIA
- Attended and delivered lecture on **infertility in American Institute for Radiologic Pathology (AIRP)** Genitourinary Categorical Course & Hands on workshop in chennai on 31-08-2018 to 02-09-2018
- Attended the R.K.Goulatia CME,at gurgon on september 15-16,2018
- Participated and delivered a lecture on Ct Chest Interpretation in the basics and beyond in the introductory pulmonology topics in thambaram thoracic hospital ,organized by thoracic society , august 18th ,2018.
- Attended and participated as faculty in **Asian Musculo Skeletal Society annual meeting** in chennai ,9-12 th august ,2018
- delivered a lecture in MRI KNEE in the cadaveric arthroscopy workshop, indian orthopaedic society on 11th august, 2018 n chennai
- Attended the annual conference of maharashtra state chapter of IRIA, in shridi, 4-5th august, 2018

- Attended and delivered three lectures on phakomatoses, paediatric white matter lesions and congenital brain malformations in the annual conference of **andhrapradesh chapter of IRIA** in Kakinada on July 28th and 29th, 2018
- Attended the CME "manuscript publication made easy -A Primer" at New Delhi on 21--07-2018, organised by The **Indian Radiological and Imaging Association and the Indian Journal of Radiology and Imaging**.
- Invited a lecture on the topic **CHEST RADIOGRAPHY-MADE EASY** in the CME programme EMPOWER 2018, conducted by Stanley Medical College on 20th July, 2018
- Participated and delivered a lecture on the topic **Chest X-rays & Signs in chest radiology, temporal bone imaging** in the CME programme STAR BASICS 2018, conducted by Stanley Medical College on 14 & 15th July, 2018
- Attended and delivered a lecture on "journal manuscript writing" in genitourinary imaging in **DR.HARNAM SINGH CME by Indian Radiological and Imaging Association** on 7-8th July 2018, Indore
- Attended and delivered a lecture on "temporal bone imaging" "skull base imaging" and a film reading session in head neck imaging in **DR.GYAN . P. LAL CME by Indian Radiological and Imaging Association** on 23-24th May 2018, Patna
- Attended the annual conference of **gujarat chapter of IRIA**, on 15th April 2018 at Ahmedabad
- Attended and delivered a lecture on CV Junction anomalies, neck spaces in the annual conference of **Bihar chapter of IRIA** in Patna on March 17-18th, 2018
- Participated and delivered a lecture on neck spaces, intracranial tumours, imaging in neurological complications of HIV, AND exam case spotters in the KARE, at Hyderabad on March 9-11th, 2018
- **chairperson in the 'State-of-the-art paediatric neuroradiology'** (RC 811) Thursday, March 1, 2018 in the **ECR 2018**
- **Moderated The Session**, genitourinary session, ss1907 b, Sunday, March 4, 14:00 - 15:30 Room: M 4 at **ECR 2018**
- Presented a paper "**Role of MR enterography in evaluation of disease activity and treatment response in paediatric Crohns disease correlation between MRE and PCDAI scores**" at **ECR 2018**, at the Austria Center on **March 4, 2018** in Vienna, Austria.
- Presented a poster "Pathophysiology and grading of Ventral displacement of Dorsal Spinal Cord spectrum" at **ECR 2018**, at the Austria Center from **February 28 to March 4, 2018** in Vienna, Austria.
- Conducted a quiz on **neuro imaging** in the CME programme SHINE 2018 on 25th Feb 2018, Chennai
- Participated and delivered a lecture on case based review and exam cases in the KREST, Cochin on February 18th, 2018
- Presented a lecture on **Epilepsy imaging** and **CV junction imaging** in the CME programme RARE 2018 (Ramachandra Advanced Radiology Education)-conducted by Sri Ramachandra University on 8th– 11th, Feb 2018
- Attending and to present lectures on how to write theory examination, head and neck imaging, paediatric exam cases at Vijayawada on Feb 3rd and 4th, 2018 in GRASP pg teaching programme, organised by ANDHRA state chapter of IRIA.
- Attended and delivered a lecture on the **paediatric abdominal tumours** in the inaugural conference of Society of Oncologic Imaging, India at Chennai on Feb 3, 2018
- Delivered a lecture in temporal bone imaging in Stanley Medical College, Chennai on Feb 2, 2018
- Attended and delivered a lecture on the **paediatric cerebellar atrophy** in the Asian Oceanic conference (AOCR2018) on January 25-28th 2018, Mumbai

- a lecture on , **workshop in neuro imaging, how to attend viva**, in the CME programme STAR PRIMER 2018, conducted by Stanley Medical College on Jan 19th – Jan 21ST 2018
- Attended the 70th state annual INDIAN RADIOLOGY AND IMAGING ASSOCIATION (TN&PY chapter) conference, on 15th to 17th december, 2017, Tuticorin
- Conducted teaching session in head and neck radiology in Ashram Medical College, Vijayawada, Andhra Pradesh on October 29, 2017
- delivered a lecture in MRI in SLEEP DISORDERS the 11th annual conference of associations of physiologists of Tamil Nadu in Chennai, on October 29, 2017
- Attended and conducted film reading session in abdominal imaging the Indo-US update in annual conference of **telungana chapter of IRIA** in Hyderabad on October 14-15th, 2017
- delivered a lecture on HOW TO READ CT CHEST in association of chest physicians in Tambaram, Chennai on 6th October.
- Attended the 1st annual conference of the Indian Society of Gastrointestinal & Abdominal Radiology from 6th to 8th, October in Chennai
- Attended **music in radiology CME** in Bangalore on October 1st, 2017
- attended and delivered a lecture on MSK pathologies- mistakes should not be made in **American radiology pathology outreach programme** in Chennai on September 29th and 30th, 2017
- participated and delivered a lecture on **diffuse lung disease** in **Dr. R.K. Goulatia CME** in Mysore on September 23rd and 24th, 2017
- participated and chaired a session in the 5th musculoskeletal society annual conference in Kolkata, 15-17th, September 2017
- participated and chaired a session in intervention radiology conference in Mahatma Gandhi Medical College, Pondicherry on September 9th, 2017
- participated and delivered a lecture on complex cystic lesions in liver in the annual conference of **andhrapradesh chapter of IRIA** in Tirupathi on August 19th and 20th, 2017
- Conducted Mock exam session in Ahmedabad on 12-13th, August 2017 organised by Gujarat chapter of IRIA
- Participated and delivered a lecture on the topic **ABDOMINAL RADIOGRAPHY** in the CME programme EMPOWER 2017, conducted by Stanley Medical College on 19th July, 2017
- Participated and delivered a lecture on the topic **Chest X-rays & Signs in chest radiology** in the CME programme STAR BASICS 2017, conducted by Stanley Medical College on 15th July, 2017
- Delivered lecture on non-traumatic intracerebral haemorrhages in the BRACE-2017, CHENNAI
- participated in the **harnam singh CME** at Noida on 8th & 9th July 2017, ORGANISED BY ICRI and UP chapter of IRIA
- Participated in the CME at Ahmedabad on 2nd July 2017 organised by Gujarat chapter of IRIA
- participated and presented two lectures "spinal syrinx" and "paediatric cerebellar atrophy" in the ISPR midterm CME in Bengaluru on 25-06-2017
- presented a lecture on imaging in GIT pathologies in Indian Gastro Society meet at Hotel Savera, Chennai on 28-05-2017
- participated and chaired a session in the GYAN P LAL CME in Delhi organised by IRIA/ICRI on 20 and 21st, May 2017

- presented a lecture on **CT and MRI imaging in paediatric chest** in kanchi kamakotti child trust hospital organised by INDIAN ACDEMY OF PAEDIATRICS -, april 28th,2017 chennai
- Attending and to present lectures on how to write theory examination , head and neck imaging , paediatric exam cases at vijayawada on march 25th and 26th,2017 in GRASP pg teaching programme
- Presented a lecture on Leucodystrophies and attended in 36th kerala IRIA annual conference in march,18th at Trivandrum.
- Attended in 33rd karnataka IRIA annual conference in march,11th and 12th at bangalore
- conducted a quiz on **neuro imaging** in the CME programme SHINE 2017 on 26thFeb 2017,chennai
- Presented a lecture on **Mri in neurometabolic disorders** in IV national conference of the Indian society of inborn errors of metabolism, 10th -12th ,feb 2017,CHENNAI
- Presented a lecture on **case discussion in neuro imaging** in the CME programme RARE 2017 (Ramachandra Advanced Radiology Education)-conducted by Sri Ramachandra University on 3rd– 5th, Feb 2017
- a lecture on , **workshop in neuro imaging, how to attend viva, barium studies , IVP,git case discussions** in the CME programme STAR PRIMER 2017, conducted by Stanley Medical College on Jan 19th – jan 22th 2017
- Participated at 70th annual congress of INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference, on january 4th to 7TH ,2017, Jaipur
- conducted a workshop for FRCR PART -IIB in chennai , feb 6TH,2017
- Attended and conducted film reading session at 69th state annual INDIAN RADIOLOGY AND IMAGING ASSOCIATION (TN&PY chapter) conference, on17th to 18th december,2016, SRMC,chennai
- participated and delivered a lecture on IMAGING IN PARAPHARYNGEAL SPACE in **Dr. RajendraRao CME** in tirupati on novtember 19th and 20th,2016
- participated and delivered a lecture on emergency CT -is it over looked in annual conference of **emergency radiology society of india** in bangalore on september 23rd to 25th,2016
- participated and delivered a lecture on DIFFUSION TENSOR IMAGING in **Dr. Goulatia CME** in madurai on september 17th and 18th,2016
- Participated and delivered a lecture on ct scan chest interpretation in the thambaram thoracic hospital ,organised by thoracic society , september 10th ,2016
- participated and delivered a lecture on thoracic manifestations in the abdominal conditions,vasculitis head to toe in annual conference of **andhrapradesh chapter of IRIA** in vijayawada on august27th and 28th,2016
- conducted a workshop for FRCR PART -IIB in chennai , july 26TH,2016
- Attended KSR-IRIA Friendship Symposium 2016' on 22nd July, 2016, Midterm IRIA CME- emergency radiology in new delhi organised by IRIA
- Participated and delivered a lecture on gall bladder and biliary malignancies in the AMICON-2016 ,organised by IRIA and apollo hospital , july 30-31,2016
- Participated and delivered a lecture on HEAD and NECK IMAGING SPOTTERS and conducted mock exam on short cases in the REAP , indian radiology resident education programme Andhrapradesh IRIA, nellore on april 3RD2016
- Participated and delivered a lecture on MRI imaging of shoulder in the musculoskeletal radiology CME on MARCH 5th,2016 at Royapettah GH
- conducted a quiz on **neuro imaging** in the CME programme SHINE 2016 on 28thFeb 2016

- Presented a lecture on **brain tumour imaging and recent advances in neuro imaging** in the CME programme RARE 2016(Ramachandra Advanced Radiology Education)-conducted by Sri Ramachandra University on 19th– 22nd Feb 2016
- Participated and delivered a lecture on case based review and exam cases in the KREST,COCHIN on february 14th,2016
- Lecture in Mri anatomy of perineum, prostate in radiology foundation course - RADIANT 2015 on FEB 5th and 6th ,2016 chennai
- Participated and delivered a lecture on USEFUL MSK SIGNS at 69th annual congress of INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference, on january 20th to 24TH ,2016, bhubaneswar
- a lecture on **Pediatric Neurology and workshop in neuro imaging** in the CME programme STAR PRIMER 2015, conducted by Stanley Medical College on Jan 15th – jan 17th 2016
- Participated and delivered a lecture on role of CT SCAN IN MSK LESIONS AND imaging in paediatric limping patient, Ganga radiology CME january 8th & 9th , 2016 at Coimbatore
- Participated and delivered a lecture on pituitary imaging, organised by the endocrine society on january 4th, 2016,chennai.
- Attended and presented a topic on **MRI spectroscopy** at 68th state annual INDIAN RADIOLOGY AND IMAGING ASSOCIATION (TN&PY chapter) conference,on12th to 14th december,2015, trichy
- Participated and delivered a lecture on neck spaces, intracranial tumours, imaging in neurological complications of HIV,AND exam case discussion in the KARE, at HYderabad on december 20th,2015
- conducted Work shop in paediatric radiology on nov 13th,2015 in andhra pradesh paediatric association annual conference at rajamundari
- Kanchikamakotti child trust- mri imaging in brain october 4th, 2015chennai
- Attended and presented SPINAL DYSRAPHISM at **2nd IRIA Resident Education,programme** (IREP)conference, on september 26th to 27th ,2015, coimbatore
- presented a lecture in kanchikamakotti child trust organised by INDIAN ACDEMY OF PAEDIATRICALS - CT and MRI imaging in paediatric chest, september 15th, chennai
- Participated and delivered a lecture on the topic **Plain x ray chest -how I read** in the CME programme empower 2015, conducted by Stanley Medical College on 3th September 2015
- participated in **Dr. Gyan P. Lal CME** in hyderabad on august 15th and 16th,2015
- Participated and delivered a lecture on the topic **Lesions of long bones** in the CME programme STAR BASICS 2015, conducted by Stanley Medical College on 18th july 2015
- Participated and delivered a lecture on the topic **Chest X-rays & Signs in chest radiology** in the CME programme STAR BASICS 2015, conducted by Stanley Medical College on 19th july, 2015
- Participated and delivered a lecture on the topic **planning and sequences in MRI brain imaging** in CME programme KARE(KMC Academy of Radiological Education) conducted by Kilpauk Medical College held on august10, 2015
- Participated and delivered a lecture on the topic "**diffusion tensor imaging**" in sacred 2015, bangalore on august 7-9th organised by srisathyasai institute of higher medical sciences.

- Attended KSR-IRIA Friendship Symposium 2015' on 25th July, 2015, Midterm IRIA CME in newdelhi organised by IRIA.
- panelist in the liver clinics 2015, 27th and 28th, chennai organised by hepatology department, madras medical college.
- presented a lecture on gastrointestinal radiology in ISGTNCON 2015, at chennai on 21st and 22nd march, 2015 organised by indian society of gastroenterology.
- conducted a workshop for FRCR PART -IIB in chennai, april 2015
- Presented a lecture on **MRI artifacts** in the CME programme STAR PHYSICS 2015 conducted by Stanley Medical College on 14th & 15th, march 2015
- Presented a lecture on **case discussion in neuro and head & neck radiology** in the CME programme RARE 2015 (Ramachandra Advanced Radiology Education)-conducted by Sri Ramachandra University on 19th– 22nd Feb 2015
- presented a topic on **DTI in intracranial cystic lesions** in the competitive for **Dr.Ashok mukherjee award** at 68th annual congress of INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference, on january 29th to Feb 1st, 2015, kochi
- attended and presented a case based review on **GASTROINTESTINAL AND HEPATOBILIARY RADIOLOGY** at 68th annual congress of INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference, on january 29th to Feb 1st, 2015, kochi
- presented a lecture on **Pediatric Neurology** in the CME programme STAR PRIMER 2015, conducted by Stanley Medical College on Jan 24th – jan 26th 2015
- presented a topic on **paediatric acute abdomen** in 2nd heart and body imaging update 2015 chennai, organised by tech the teachers in radiology and imaging, india, on 11th jan 2015
- Attended and presented a topic on **MRI Imaging in cerebellar atrophy** at 67th state annual INDIAN RADIOLOGY AND IMAGING ASSOCIATION (TN&PY chapter) conference, on 19th to 21st december, 2014, chennai
- presented a lecture on gastrointestinal radiology in GYM 2014, at coimbatore on 16th november, 2014
- Attended and chaired a session on a CME on acute stroke in association with Institute of Neurology, Stanley Medical College, Chennai to commemorate World Stroke Day on 29th October 2014 organised by Dr Ghosh Charitable Trust.
- Attended and presented a topic on **Imaging in inborn errors of metabolism** at 12th annual conference of INDIAN SOCIETY OF PAEDIATRIC RADIOLOGY (ISPR), on 12TH and 13th september, 2014, Vellore.
- Participated and delivered a lecture on the topic **Plain x ray chest -how I read** in the CME programme empower 2014, conducted by Stanley Medical College on 3th September 2014
- Participated and delivered a lecture on the topic **Lesions of long bones** in the CME programme STAR BASICS 2014, conducted by Stanley Medical College on 9th August 2014
- Participated and delivered a lecture on the topic **Chest X-rays & Signs in chest radiology** in the CME programme STAR BASICS 2014, conducted by Stanley Medical College on 10th August 2014
- Participated and delivered a lecture on the topic **Diffusion Tensor Imaging(DTI)** in CME programme KARE (KMC Academy of Radiological Education) conducted by Kilpauk Medical College held on May 10, 2014

- Participated and delivered a lecture on the topic **Sleep MRI** in CME programme KARE(KMC Academy of Radiological Education)conducted by Kilpauk Medical College held on May 11, 2014
- Participated and delivered a lecture on **Pediatric epilepsy** in the CME programme RARE 2014(Ramachandra Advanced Radiology Education)-conducted by Sri Ramachandra University on 14th– 17th Feb 2014
- Participated and delivered a lecture on the topic **MRI in neurovascular lesions** in CME programme- ‘Post Graduate Medical Update 2014’ conducted by Institute of Internal Medicine, Madras medical College on 7th& 8th February 2014.
- Participated and delivered a lecture on MRI in **paediatric musculoskeletal lesions** at 20th Annual Conference of Pediatric Orthopaedic Society of India(POSICON 2014) held on 10th to 13th January 2014
- Participated and delivered a lecture on **Pediatric Neurology** in the CME programme STAR PRIMER 2014, conducted by Stanley Medical College on Jan 31st – Feb 2nd 2014
- Attended and presented a topic on **MRI Imaging in spinal emergencies** at 66th state annual INDIAN RADIOLOGY AND IMAGING ASSOCIATION (TN&PY chapter) conference,on13th to 14th december,2013, Vellore.
- Attended and presented a lecture in **BISICON 2013**,organised by breast imaging society of India (BISI),on 5th and 6th of October 2013,chennai.
- Attended and presented a lecture on **Cardiac CT** in the IX Biennial conference of nuclear cardiological society of India ,25-27th ,October ,2013, Chennai.
- Participated in the CME programme and delivered a lecture on **MRI of prostate** at SRM RAD MEET 2013, conducted by SRM Medical College Hospital & Research Centre on 13th November 2013
- Participated and delivered a lecture on **MRI in neurological illness** in the CME programme FORUM 2013, organized by SMF Academy of CME- Sundaram Medical Foundation Dr.Rangarajan Memorial Hospital on 19th& 20th October 2013
- Participated and delivered a lecture on **Pediatric epilepsy** in the CME programme RARE 2013(Ramachandra Advanced Radiology Education)-conducted by Sri Ramachandra University on 14th– 17th Feb 2013.
- Participated in the CME Programme- Radiology Simplified 2013 organised by SRM Institutes of Medical Sciences held on 21st& 22nd June 2013.
- Participated and delivered a lecture on **Neuroregression** at 38th Annual Conference of Indian academy of Pediatrics– TamilNadu state chapter(PEDICON 2013) held on 23rd to 25th August 2013
- Participated and delivered a lecture on **CT or MRI in medical conditions** at CME Programme organised by Associations of Physicians of India held on 17th& 18th August 2013.
- Presented and conducted workshop in international conference on **Inborn errors of metabolism** & 2nd national conference of ISIEM,on 4th -7th april,2013
- Participated and delivered a lecture on **NeuroImaging** in the CME programme STAR PRIMER, conducted by Stanley Medical College on 25th to 27th January 2013
- Attended and presented a topic on **CT Scan in small bowel pathologies** at 65th state annual INDIAN RADIOLOGY AND IMAGING ASSOCIATION (TN&PY chapter) conference,on14th to 16th december,2012, coimbatore.
- Participated and delivered a lecture on **Neuroimaging** in the CME programme organised by Institute of Neurology, Madras Medical College on 24th& 25th November 2012.

- Participated and delivered a lecture on **MRI Basic Principles & Instrumentation** in the CME programme STAR MRI TECHNOLOGY UPDATE, conducted by Stanley Medical College on 11th & 12th August 2012
- Participated and delivered a lecture on **Basic radiological investigations** at 22nd All India Intensive PostGraduate Training Programme in Internal medicine organised by Associations of Physicians of India held on 21st to 23rd December 2012.
- Participated and delivered a lecture on **mri prostate** at TARGET 2012-organised by Madras Medical Mission held on 13th & 14th October 2012
- Participated and delivered a lecture on the topic **Basics in Chest X-rays** in the CME programme STAR BASICS 2012, conducted by Stanley Medical College on 7th & 8th, July 2012
- Participated and delivered a lecture on the topic **Basics in MRI** in the CME programme STAR BASICS 2012, conducted by Stanley Medical College on 7th & 8th, July 2012
- Participated and delivered a lecture on the topic **Lesions of long bones** in the CME programme STAR BASICS 2012, conducted by Stanley Medical College on 7th & 8th, July 2012
- Participated and delivered a lecture in the STAR FRCR 2012, conducted by Stanley Medical College on 5th / 6th, Feb 2012
- Participated and delivered a lecture on **OrthoRadiology** in the CME on Instructional and Informative PG Clinical Course, conducted by Stanley Medical College on 3rd March 2012
- Participated and delivered a lecture on **Head and Neck imaging** in the CME programme RARE 2012(Ramachandra Advanced Radiology Education)- conducted by Sri Ramachandra University on 16th to 19th Feb 2012.
- Attended and presented a lecture on **MRI In Leucodystrophies** at 65th annual congress of INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference, on January 28th to 31st, 2012, Hyderabad
- Participated and delivered a lecture on **interpretation of plain X-Ray and CT Scan** at 21st All India Intensive PostGraduate Training Programme in Internal medicine organised by Associations of Physicians of India held on 16th to 18th December 2011
- Participated and delivered a lecture on **‘Tomography anatomy of Abdomen and Pelvis’** at 43rd Annual Conference of the society of Nuclear Medicine(India) held on 11th December 2011.
- Attended and presented a topic on **Congenital spinal malformations** at 64th state annual INDIAN RADIOLOGY AND IMAGING ASSOCIATION (TN&PY chapter) conference, on 9th to 11th December, 2011, Chennai.
- Presented a lecture on **“ Role of MRI in Stroke ”**, Chennai on July 3rd, 2011
- Presented a lecture on **“HRCT in interstitial thickening”** at BRACE 2011, Chennai on July 10th, 2011
- Presented a lecture on **MRI imaging of Paediatric Brain** in child trust hospital in Chennai, on June, 2011.
- Presented a lecture on **Plain X ray abdomen** in department of surgical gastroenterology, in Govt Stanley medical college hospital in Chennai, in June, 2011
- Presented a lecture on **“MR Imaging in Hepatobiliary System”** at IRIA state meet at Trichy in February, 2011
- Conducted **Neuro imaging tutorial** in the third BIR PG PRIMER course, January, 2011, Chennai

- Participated and delivered a lecture on **Imaging in general medicine** at 20th All India Intensive PostGraduate Training Programme in Internal medicine organised by Associations of Physicians of India held on 17th to 19th December 2010.
- Presented a lecture on “**Temporal Bone Imaging**” and conducted 10 by ENT Dept, KMC, Chennai on October, 20
- Presented a lecture on **Congenital mullerian anomalies and carcinoma uterus** at the Dr.Harnam Singh Mid-Term CME ICRI-2010, held on August 2010, Vijayawada, India
- Presented a lecture on **Functional MRI** in state neurological society conference in Chennai
- Presented a lecture on **MRCP** in Govt Royapettah hospital in Chennai, June, 2010.
- Presented a lecture on **Pelvic Inflammatory Diseases** at the interactive CME on Paediatric imaging in TARGET 2010, August, Chennai
- Presented a lecture on “**Response Evaluation In Solid Tumours**” and conducted a **quiz** at BRACE 2010, Chennai on July, 2010
- Presented a lecture on **Imaging of Paediatric Upper GIT** in Child Trust Hospital in Chennai, on January 24th,2010.
- Conducted **Neuroimaging tutorial** in the third BIR PG PRIMER course, January 8th -10th, 2010, Chennai
- Presented an interactive lecture on **Imaging in General Medicine** in PG teaching course for General medicine, in Chennai, on December 19th, 2009.
- Presented a lecture on **plain X ray Abdomen** in annual congress of Indian Gastroenterology society, in Calcutta on December 12th, 2009.
- Presented a lecture on **USEFUL NEUROLOGICAL SIGNS**” in Indian society of Neuroradiology, annual conference in Chennai ,November 2009.
- Presented a lecture on “**MR Arthrogram in shoulder instability**” and conducted a **quiz** at BRACE 2009,Chennai on 12TH july,2009 .
- Presented a lecture on **plain X Ray Abdomen** in state Gastroenterology society conference in Chennai, June, 2009.
- Presented a lecture on **Basic MRI Brain Sequences** in state neurological society conference in Chennai
- Presented a lecture on **Spinal Dysraphism and participated in the Panel Discussion** at the interactive CME on Paediatric imaging in target 2009,june ,Chennai
- Presented a lecture and **case discussion** in RARE, Sree Ramachandra medical university on February,2009, Chennai
- Conducted **Neuroimaging tutorial** in the second BIR PG PRIMER course, January 2009,Chennai
- Panelist in the **Kothari film reading session** at 62nd annual congress of INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference, on January 7th to 11th, 2009, Patna
- Presented a lecture on **MR MAMMOGRAM** at 62nd annual congress of INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference, on January 7th to 11th,2009, Patna
- Presented a lecture on **Imaging of Inner Ear** at 61st state annual INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference, on December 5th to 7th, 2008, Chennai.
- Presented a lecture on **MR Neurography** in Prof .T.S.Swaminathan CME on essentials of MRI techniques and clinical role,30th October, 2008.

- Presented a lecture on **Upper Extremity Trauma** at the Dr.Harnam Singh Mid-Term CME ICRI-2008, held on 7th- 9th August 2008, Chennai, India
- Presented a lecture on “**Useful Neurological Signs**” at BRACE 2008, Chennai on 12th July, 2008 .
- Presented a lecture at the Interactive CME on head and neck imaging in TARGET 2008, June 28th, Chennai
- Conducted **image interpretation quiz** in the state IRIA meeting on 27-04-2008
- Presented a lecture on **follicular monitoring** in the QUEST 20, Vellore.
- Presented a lecture on **Basic MRI brain interpretation** in state neurological society conference in Chennai
- Presented a lecture on **Congenital vascular malformations of brain** in CME Programme on MRI in childhood neurological illness, on 14th February, 2008 at Institute of Child Health, Chennai
- Conducted **Neuroimaging Tutorial** in the first BIR PG PRIMER course, January 2008, Chennai.
- Presented a lecture on **MR Spectroscopy in Focal Brain Lesions** at 60th state annual INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference, on November, 2007, Chidambaram.
- Conducted **image interpretation quiz** at 60th state annual INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference, on November, 2007, Chidambaram.
- Presented a lecture on “**Radiological Anatomy Of Uterus And Congenital Anomalies Of Uterus**” at BRACE 2007, Chennai on 21st July, 2007.
- Conducted **General radiology quiz** at 59th state annual INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference, on 16th December, 2006, Chennai
- Presented a lecture on **Radiological Features of Spinal Tuberculosis** in CME on spinal tuberculosis on 25th august 2005, at Vellore, India.
- Presented a scientific paper on **Ultrasound and Color Doppler Evaluation of Nodular Thyroid Masses** in the 57th Annual congress of Indian Radiological and Imaging Association, on 27th-28th November, 2004, Kodaikanal, India
- Presented **An Interesting Case Of Ectopic Cordis** Indian Radiological and Imaging Association, Tamilnadu and Pondicherry chapter, July 2004, India.
- Presented a scientific paper on **internal carotid artery stenosis –A Comparison of Duplex and MR angiography** in the 57th Annual congress of Indian Radiological and Imaging Association, 8TH to 11th January 2004, at Hyderabad , India.
- Presented a poster on titled “**Pictorial assay of Subacute Combined Degeneration of Spinalcord**” in the 57th annual congress of Indian Radiological and Imaging Association, January 2004, at Hyderabad, India.
- Presented **An Interesting Case Of Spinal Abnormality**, Indian Radiological and Imaging Association, Tamilnadu and Pondicherry chapter, September 2003, India.
- Presented a poster on **Rare Vascular Causes Of Hydrocephalus** in the 56th Annual Conference of pediatric Imaging and Intervention Fest - 2003, on 12th and 13th December 2003, at Pondicherry, India.
- Presented a poster on titled “**Pictorial assay of NEUROFIBROMATOSIS** ” in the 56th annual congress of Indian Radiological and Imaging Association, on 4th –7th, January 2003, Jaipur, India

MEMBER OF THE SOCIETIES

- Member of **Indian Radiological and Imaging Association.**

- Member of **Indian college of radiology & imaging**
- Member of **Indian Society of Pediatric Radiology.**
- Member of **Indian Society of Head and Neck Radiology.**
- Member of **Indian Society of neuro Radiology.**
- Member of **Indian Medical Association**
- Member of **National Academy Of Medical Sciences**
- Member of **Royal College of radiologists, United Kingdom**
- Member of **European society of radiology**
- Member of **Radiologic Society of North America**
- Member of **American roentgen ray society**
- Member of **International medical sciences academy**
- Member of **Government Doctors Association (Tamilnadu)**
- Member of **Musculoskeletal Society**
- Member of **Society of oncology**

AWARDS AND HONOURS

- **BEST RADIOLOGIST AWARD** from the **Deputy Chief Minister of Tamilnadu, November 2009.**
- **BEST RADIOLOGY TEACHER OF THE YEAR 2009, awarded by the radiologist across the world in the Iradix website**
- **Second place in the quiz** at 62nd annual congress of INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference, on January 7th to 11th, 2009, Patna
- **Indian panelist** in the junior image interpretation quiz between India vs Europe in **ECR 2008, at Vienna.**
- **First place in the quiz held for the Radiology Refresher Programme** at Christian Medical College, Vellore, India on 3rd and 4th December, 2004
- **NABH**(national accreditation for hospitals and health care providers) assessor from 2012.
- Tamilnadu Government Appointed as **Chief Coordinator of MCI inspection** to all Government Medical Colleges in Chennai and nodal officer to start Govt medical college in Omandurar Estate, Chennai
- **Prof.T.S.Swaminathan young achiever award**-December 2014 by INDIAN RADIOLOGY AND IMAGING ASSOCIATION (Tamilnadu & Pondy chapter)
- **Member of board of studies in PG clinical courses** of “The TamilNadu. Dr. MGR Medical University” from 2016-2019
- **"DYNAMIC INDIAN OF THE MILLENIUM AWARD"**- in april 2017,by KG Foundation

- Certificate of Merit, Awarded at **The 3rd JOINT CONGRESS OF THE ASIAN MUSCULOSKELETAL SOCIETY (AMS) AND THE ARABIAN GULF SOCIETY OF SKELETAL RADIOLOGY (AGSSR)** 15th and 16th February, 2016 - **KUWAIT** for the scientific poster exhibits " Staging and assessing the prognostic value of early diagnosis of idiopathic chondrolysis of hip" and " Uncommon osteochondrosis of lower extremity "
- distinguished speaker award ,at at 69th state annual INDIAN RADIOLOGY AND IMAGING ASSOCIATION (TN&PY chapter) conference, on 17th to 18th december, 2016, SRMC, chennai
- presented a poster, paper and chaired two sessions as faculty at **ECR 2018**, at the Austria Center from **February 28 to March 4, 2018** in Vienna, Austria.
- Honoured with **Dr R R Rishi oration award** in the 36th IRIA MPCON at indore , 20-21 th , March 2021 and delivered oration – imaging in epilepsy
- Honoured for significant contribution to the covid management through IRIA , by the Tamilnadu chief minister in the doctors day celebration, july 1, Chennai
- **Best educationalist award** by the NAT health and eHealth magazine , 24th june 2021
- **Deans appreciation award** from Stanley medical college for the management in covid pandemic in 2020 and 2021 , 29-05-2022
- Appreciation award from Chennai district collector in 26-01-2022.
- Honoured with **Dr N.G GADEKAR oration award** in the 74th ANNUAL CONFERENCE OF IRIA at BANGALORE , 24-27 th , March 2022 and delivered oration – imaging in spinal dysraphism
- **Dr. G.R. Jankharia Best Paper Award** in IJRI-2022 (2nd prize)
- **Prof. Swaminathan and Prof. Kulasekaran Gold Medal Award** for outstanding performance in MICR Examination 2022
- Honoured with **Prof. IDA SCHUDER Memorial Oration award-2022** in the 75th Annual conference of Tamilnadu State Chapter of Indian Radiological & Imaging Association from 16th -18 th , December 2022 in hotel ,leelapalce , Chennai
- Honoured with **Prof. Jayanarasimhulu Memorial Oration award -2022** in the 8th Annual Telangana State Chapter of Indian Radiological & Imaging Association from 15th & 16th October, 2022 at Pratima Institute of Medical Sciences, Karimnagar
- Dr. H. Satichchandra Oration- 2024

ORGANIZATIONAL ACTIVITIES

- 77th and 22 aocr

- 76th

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- 75th

- Organized various intra and inter college cultural programmes during my MB BS and MD courses, which has given me good organizational & leadership qualities
- Captain, college foot ball Team - Led the team in performance statistics, motivated and encouraged players, Assisted in planning of game strategies.
- Organizing secretary of 73rd annual congress of INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference, on January 17th to 20TH, 2020, ahemadabad.
- Organizing secretary of 72nd annual congress of INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference, on January 17th to 20TH, 2019, Chandigarh.
- Organizing secretary of Asian Musculo Skeletal Society annual meeting in Chennai, 9-12th August, 2018
- Organising secretary of 68th Annual congress of INDIAN RADIOLOGY AND IMAGING ASSOCIATION (Tamilnadu & Pondy), held on December 12th to 14th, 2015, Trichy, India,
- The 1st Resident Education Program 2018 (IREP) was organised by Uttar Pradesh state chapter on 14-15 July, 2018 at KGMU, Lucknow,
- Organising secretary of The 2nd IRIA Resident Education Program 2018 (IREP) was organized by Punjab state chapter at SGRD Institute of Medical Sciences, Amritsar on 17-18 November, 2018.
- Organising secretary of Dr. Gyan P. Lal CME 2018 was organized by Bihar state chapter of IRIA from 23-24 June, 2018 at Hotel Chankya, Patna
- Organising secretary of Dr. Harnam Singh mid-term CME 2018 – Dr. Harnam Singh CME 2018 was organized by Madhya Pradesh state chapter from 7-8 July, 2018 at Indore.
- Organising secretary of Dr. R.K. Goulatia CME of the year 2018 – Dr. R.K. Goulatia CME 2018 was organized by Haryana state chapter of IRIA from 1-2 September, 2018 at Gurgaon.
- Organising secretary of Dr. Gyan P. Lal CME 2017, 20-21 May, 2017 at Auditorium, GB Pant Institute of Post Graduate Medical Education and Research (GIPMER), New Delhi.
- Organising secretary of Dr. Harnam Singh mid-term CME 2017, conducted by ICRI and organized by Uttar Pradesh state chapter of IRIA from 8-9 July, 2017 at Hotel Radisson Blu, Greater Noida, Uttar Pradesh.
- Organising secretary of Dr. R.K. Goulatia CME 2017, which was funded by IRIA and conducted by ICRI. IRIA Karnataka state Chapter hosted this CME on 23-24, September 2017, in Mysore

- Organising secretary of Dr. Rajendra Rao CME 2017 which was funded by IRIA, conducted by ICRI and organised by Maharashtra state chapter at Aurangabad on 28-29 October, 2017
- Organising secretary of The 1st Resident Education Program 2017 (IREP) was organised by the Chandigarh UT Chapter of IRIA on July 29-30, 2017 at the PGIMER, Chandigarh.
- Organising secretary of The 2nd IRIA Resident Education Program 2017 (IREP) was organized by the the Telangana State Chapter of 'Indian Radiological & Imaging Association' on November 4th and 5th, 2017 at the Pratima Institute of Medical Sciences (PIMS), Karimnagar
- Organising secretary of 2nd IRIA Resident Education,programme (IREP)conference, on september 26th to 27th ,2015, coimbatore
- Organising chairman of 67th Annual congress of INDIAN RADIOLOGY AND IMAGING ASSOCIATION (Tamilnadu & Pondy), held on December 19th to 21st, 2014, Chennai, India, conducted by Stanley Medical College
- Established Prof.T.S.Swaminathan young achiever award from 2014 ,in INDIAN RADIOLOGY AND IMAGING ASSOCIATION (Tamilnadu & Pondy).
- founder and Organising chairman of STAR PRIMER COURSE, conducted by Stanley Medical College on Jan-2012,2013, 2014,2015 to tilldate.
- founder and Organising chairman of STAR BASICS COURSE, conducted by Stanley Medical College on July-August ,2012,2013, 2014,2015 to tilldate..
- founder and Organising chairman of STAR PHYSICS COURSE, conducted by Stanley Medical College on March ,2012,2013, 2014,2015 to tilldate..
- founder and Organising chairman of STAR FRCR COURSE, conducted by Stanley Medical College on February, 2012,2013, 2014 to tilldate..
- founder and Organising chairman of STAR MRI TECHNOLOGY UPDATE COURSE, conducted by Stanley Medical College on September, 2012,2013, 2014 to tilldate..
- FOUNDING CHAIRMAN of Stanley Radiology Alumni Association (2011)
- NODAL OFFICER and active member to get 250 MBBS seats in Stanley Medical College(2013)
- Organising chairman of STAR CME-2011, STAR FOETUS -2012
- Organising secretary of second BIR(Barnard institute of radiology) PG PRIMER course, January 2nd to 4th 2009.
- Established a Center of Excellence -radiodiagnosis in government stanley medical college

- Established a diagnostic Center -scansworld in nungambakkam ,chennai
- Joint secretary of the 61st state annual INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference, held on December 5th to 7th, 2008, Chennai, India
- Joint secretary of the Dr.Harnam Singh Mid-Term CME ICRI-2008, held on 7th- 9th August 2008, Chennai, India.
- Organized (coordinator)and started first BIR PG PRIMER course, January 2008.
- Established the BRACE CME and BIR PRIMER course along with Prof.T.S.Swaminathan in 2007&08 in Barnard Institute Of Radiology, Madras Medical College, which is the first ever refreshing course of its kind to have been conducted in this region
- Organising secretary of Prof J.R.Daniel Memorial CME on Neuroimaging, BRACE 2008, held on 11th to 13th july,2008, chennai,India.
- Organized the Dr.Harnam Singh Mid-Term CME ICRI-2004, 6th- 8th August 2004, Chennai, India.
- Organized the CME on Womens Imaging, BRACE 2007, on 21st and 22nd July, 2007, Chennai, India and edited the souvenir
- Organized the 59th state annual INDIAN RADIOLOGY AND IMAGING ASSOCIATION conference, on 15th to 17th December, 2006, Chennai, India
- Involved in organising drama and cultural events in my medical school.
- President of college student council during our college period in MBBS and conducted various academic and cultural programmes
- Member of Rrotract club and NSS in our college.
- Member of Blood Bank Committee.

ACHIEVEMENTS

Developed the state of the art department of radiodiagnosis at govt stanley medical college with 128 slice ct scan, fluoroscopy, MRI machines and biplane DSA. Instrumental in getting permission for DMRD courses after 50 years, started MD Radiodiagnosis courses with 2 seats in 2013 and increased to 7,10 and 14seats in 2017,2018 abd 2019 . MCI Coordinator for 250 MBBS seats in the stanley medical college. Started the diploma in radiology technology courses, Bsc radiology, Phd programme in radiology, fellowships and Msc radiology courses.

Have been instrumental in bringing an end to the practice of kickbacks in medical /radiology profession in Tamilnadu state.

SOCIAL ACTIVITIES

- Participated in the flood relief camp in chennai, december 2015

- Participated in the tsunami relief camps in 2004
- Participated in rural medical camps and blood donation camps.
- **Breast cancer awareness camp in neelankarai, march 8 th 2019**
- **Tree plantation programme in chennai , august 4th , 2019**
- **Army expedition, leh ladakh –july 6-13, 2019**
- **Distributed 500 blankets to flood victims at gadag on august 11,2019 organised by Karnataka state chapter of IRIA**
- **Covid pandemic management in rural areas in tamilnadu**

PART TIME CONSULTANT

- 1.Bharat scans,Chennai 04-04-2005 to 15-08-2010
- 2.Scans world , Chennai from 16-08-2010 to till date

ADMINISTRATIVE APPOINTMENTS/RESPONSIBILITIES /EXPERIENCE

Responsible for organizing weekly radiology meetings, making museum entries of interesting cases and arranging interdepartmental rotation of junior residents

MEMBER OF COMMITTEES

- Postgraduate curriculum committee, “The TamilNadu. Dr. MGR Medical University” 2016-2018.
- Technical Specifications Committee for Radiology Equipment, TNMSC from 2011
- External expert for JIPMER, Pondicherry for purchase of CT and MRI scanners,
- Expert Committee of Ministry of Health, Govt. of India for suggesting measures to strengthen the PNDDT Act.
- Expert Committee of ESI for selection of faculty for ESI Medical Colleges, AYSH
- External expert for JIPMER, Pondicherry for selection of faculty

ADVISORY CONSULTANT

Roentgen Scansworld , Nungambakkam chennai.

Scan point, mylapore, Chennai

Scansworld at chamiers road, chennai

TEACHING ACTIVITIES, GUIDE TO YOUNG ASPIRING RADIOLOGISTS

- Presented scientific papers & Interactive Quiz in several meetings in State & National IRIA
- Motivate Post Graduate students to achieve & practice sub-speciality Imaging
- Taking part in the National Board of Examinations ,university as a Faculty & Examiner
- Guiding students in their MD thesis, journal publications & research studies;
- Guide/ co-guide for Research works MD post graduate Dissertations – 25
- Guest Lectures – more than 250
- Motivating students to participate in updation symposia, academically rich CME’s
- Encouraging them to present interesting cases, create posters & make presentations
- Conducting Training programmes and Performance tests
- Interacting in interdisciplinary meetings with other specialities
- Infusing awareness in radiologists to update with Technological Advances in Imaging

EDITORIAL SERVICE

Editorial board-Member of open journal of radiology,
Journal Reviewer-**European journal of radiology** , European radiology,Journal of Clinical and Diagnostic Research , Journal of Medicine and Medical Sciences, Asian spine journal,

UNIVERSITIES IN WHICH AS A POST-GRADUATE EXAMINER

Sl. No.	Name and Address of the University	Year of First Examinership	UG / PG (Please Specify)
1.	The Tamilnadu Dr.Mgr,Medical Univversity,No 69,Annasalai,Guindy,Chennai-32	2012	PG -MD,DMRD
2.	The annamalai university,chidambaram annamalainagar - 608 002 cuddalore dt., tamil nadu.	2013	PG-MD
3.	Jawaharlal Institute Of Postgraduate Medical Education And Research (Jipmer) Dhanvantri Nagar, Gorimedu, Pondicherry - 605 006, India	2013,	PG-MD
4.	Sri Balaji Vidyapeeth(Deemed University) ,Pondy - Cuddalore Main Road, Mahatma Gandhi Medical College Campus, Pillayarkuppam ,Pondicherry- 607 402	2015	PG-MD
5.	Amirtha vishwa vidyapeetham, amrita institute of medical sciences and research centre campus,ponekkara, p. O kochi, kerala 682 041, india	2015	PG-MD
6.	National Board Of Examinations Medical Enclave, Ansari Nagar Ring Road, New Delhi-110 029	2015	PG-DNB (RADIODIAGNOSIS)
7.	University of calicut, Calicut, malappuram, kerala 673635	2015	PG -MD,DMRD
8.	Manipal University,Manipal,Karnataka	2015	PG-MD
9.	Rajiv Gandhi University Of Health Sciences, Karnataka,Bangalore	2016	PG-MD,DMRD
10	SVIMS University, Tirupathy,Andhrapradesh	2017	PG-MD,DMRD
11	Sri Ramachandra Medical College And Research Institute (Deemed University), Porur, Chennai	2010	PG-MD,DMRD, BSC
12	Vinayaka Missions University,Salem	2016	PG-MD,DMRD
13	Gujarat university Gujarat university office, navrangpura , ahmedabad	2017	PG-MD,DMRD
14.	Pondicherry University	2017	PG-MD,
15	NIZAMS institute of medical	2019	Pg-MD,DMRD

	sciences,hyderabad		
16	Saurashtra university, rajkot	2019	PG -MD Pg-MD,DMRD
17.	Chettinad Academy of Research & Education, Kelambakkam , Kancheepuram District Tamil Nadu – 603 103	2019	PG -MD
18	Madhya Pradesh Medical Science University, Jabalpur	2019	Pg-MD,DMRD
19	AIIMS JODHPUR	2019	

IRIA (Indian Radiological And Imaging Association) Activities

- **Organising chairman** of 67th Annual congress of INDIAN RADIOLOGY AND IMAGING ASSOCIATION (Tamilnadu & Pondy), held on December 19th to 21st, 2014, Chennai, India, conducted by Stanley Medical College.
- Joint secretary IRIA(Tamilnadu & Pondicherry chapter)-,2012-13
- **Executive council member** of IRIA(TN & Py chapter)-2006-7,2008-9,2010-11, ,2013-14
- **Central Council Member** of IRIA -2008,
- **Secretary of IRIA** (Tamilnadu & Pondicherry Chapter) 2014-2016.
- **SECRETARY GENERAL** of IRIA (**Indian Radiological And Imaging Association**) **2017& 2018.**
- **Asst secretary**, Asian- Oceanian School of Radiology (AOSOR)-**2017-2019**
- **president of** Tamilnadu & Pondicherry Chapter of **IRIA -2020**
- **president of IRIA(Indian Radiological And Imaging Association) -2021**

CURRENT ACTIVITIES

- **Professor and Head** in radiology, Govt Stanley Medical college.chennai-1,600001,India
- **Past President of IRIA(Indian Radiological And Imaging Association) -2021**
- **Past President of IRIA-tnpy** (Indian Radiological And Imaging Association-tamilnadu and pondicherry chapter) 2020.
- **Founder President** of Indian Society Of Head And Neck Radiology (ISHNR) -2019-2020
- Senior consultant, Scansworld education and research institute (SERI) , chennai
- **Post Graduate Examiner Of (MD,DMRD,FELLOWSHIPS) Various Universities:** the Tamilnadu Dr.MGR.Medical University,chennai, JIPMER , Pondicherry , Amritha Institute -kochi, Rajiv gandhi medical university -bangalore and more,
- Post Graduate Examiner Of **NATIONAL BOARD OF EXAMINATIONS (DNB)**
- Inspector for **Medical Council of India** for **Fresh/Renewal of Accreditation** of the the department/Academic Institutions for the MD/DMRD **Radiology Postgraduate courses**
- **NABH** (national accreditation board for hospitals and health care providers) **ASSESSOR**
- Curriculum committee Member of “The TamilNadu. Dr. MGR Medical University”
- **National Scientific Committee member** (2017-18) of Indian Radiological & Imaging Association
- **Member of board of studies in PG clinical courses** “The TamilNadu. Dr. MGR Medical University” from 2016-2019
- **PhD guide, & MD (radiology) research thesis guide** of “The TamilNadu. Dr. MGR Medical University”.Head of the department of radiology and guided many thesis.15 years of Teaching Experience for Postgraduates and undergraduates

- **Invited faculty** in the field of Neuroimaging, Paediatric neuroimaging ,musculoskeletal and Medical imaging informatics at several scientific meetings, medical colleges and engineering colleges
- **Asst secretary**, Asian- Oceanian School of Radiology (AOSOR)-2017-2019

Projects Completed

PI - role of imaging in diagnosis of glenohumeral deformity following obstetric brachial plexus

PI - Radiological staging of idiopathic chondrolysis of hip

PI - diffusion tensor imaging in intracranial cystic lesions

PI - diffusion tensor imaging in unilateral mesial temporal sclerosis

PI- Assessment of normal foetal cerebral sulcation using MRI

CI- Elastography in cervical lymphadenopathy

PI -Pathophysiology , Grading of ventral displacement of dorsal spinal cord spectrum

PI- Dorsal Spine Ligamentum flavum thickening- An MRI study

Ongoing projects:

PI - Adhesive Capsulitis: MRI Correlation with Clinical Stages and Proposal of MRI Staging

CI- Diffusion weighted imaging in post renal transplants

CI- Thermomammography in diagnosis of breast lesions

PI -Pediatric stroke :An analysis on " Artery if pediatric infarct - Lenticulostriate arteries"

CI-Role of MR enterography in evaluation of disease activity and treatment response in Pediatric Crohn's disease-Correlation between MRE and PCDAI scores

PI- "Role of 3D SPACE Sequence and Susceptibility Weighted Imaging in the evaluation of hydrocephalus

collaborations with academic institutions & industry (ongoing)

Indian institute of technology (madras) . Collaborator : CAD In Ct Abdomen pathologies

I verify that the information contained within this Curriculum Vitae is true and correct.

(C. Amarnath)

REFEREES

1. Dr. N.Kulasekaran, MD,FICR,FIMSA
Professor of Radiology
Department of Radiology
Srimanakula Vinayaga Medical College
Pondhicherry, India
+91 9840125148
drkulasekaran@gmail.com
2. Dr. T.S.Swaminathan, DMRD, MD,FICR,FIMSA
Professor and Head of Radiology

Department of Radiology
Kamakshi hospital
chennai, Tamil Nadu, India
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Abstract

Publications : 50 (Indexed papers -44, non-indexed-6) international journals

Books Edited: 3

Chapters in books: 9

Research Projects/ Post-graduate/Doctoral theses (Principal investigator/ Co-investigator, chief guide/co-guide): Completed: 108; Ongoing 14

Papers and posters presented as principal author/co-author : >120

Invited Talks/ Film reading Sessions/ Panel discussions: >300

Participation National, State Conference and Academic Proceedings -> 400

Participation in International Conference- >20

AREA OF INTEREST /LECTURE TOPICS

Neuro:

MRI of cranial nerves
MR imaging of brachial plexus
MR imaging in myelitis
Useful Neurological Signs
dementia/adult neurodegenerative disorders

Paediatrics:

MRI in paediatric neuro degenerative disorders imaging in leucodystrophies / inborn errors of metabolism

Paediatric cerebellar atrophy

Paediatric epilepsy

Mr imaging in neonatal brain

MSK

mr in shoulder instability

mri in biceps-labral pathology

useful signs in msk

Paediatric musculoskeletal lesions

Imaging in paediatric hip pathologies

Spinal dysraphism

Mr imaging of upper limb nerves

head and neck

Temporal bone, neck spaces, skull base

per neural spread in head & neck

Miscellaneous

Mri breast, Mri prostate, Interstitial lung disease,

focal lesions in cirrhotic liver, focal liver lesions

case based review -any topic/system

pg-exam oriented case discussions/spotters/quiz

CONTRIBUTION IN 2021 – PRESIDENT IRIA

1. **Comprehensive Textbook of Clinical Radiology** -the first book in the history of Radiology which comprises of six volumes, written by eminent authors, including all the sub-specialties in radiology.
2. Under ICRI, **daily** Resident Teaching Program were started. It was a huge hit among the residents, providing the best lectures daily with renowned speakers. Got a place in the **WORLD book of records** .
3. Resident exam-oriented teaching program in coordination with ICRI.
4. Started various **Fellowships under ICRI**.
5. Started "**MICR**" **MASTERS IN CLINICAL RADIOLOGY** - Exam based degree course with international standards like FRCR, ABR.
6. IJRI with two more Journals - Indographics and case reports in clinical radiology
7. Updated the IRIA website with the addition of educational materials, radiology image bank with spotters and cases, CME contents and presentations, creation of IRIA image bank, 3D anatomy models, and interactive cases, personnel page of members, certificates, online payment, interactive pages, and job portal for our members.

8. International relationships - many countries and societies like ISR, AOSR, AMS included IRIA members in their executive council and in the office.
9. Started '**IRIA Research & Education Foundation**' to improve research projects within India. Few research projects were approved under this initiative.
10. In this pandemic situation, we released various Covid guidelines – Chest, Head and Neck, CNS, Abdomen ensuring uniform standard protocols.
11. Protection of radiology services - turf erosion prevention. By specialty teaching programs and fellowship courses in specialties.
12. **Started Social wing of IRIA** which entails radiologists in social activities with a record number of social activities throughout the country. The flagship programs like RAKSHA, SAMRAKSHAN programs were continued.
13. **Preventive Radiology & Radiology Arogya Clinic (RAC)** -In the modern era of evidence-based medicine, radiology has become inevitable in the treatment of the disease as well as in prevention. Due to this, there is an enormous burden on our radiological society as well as on radiologists. To ease the stress and to maintain physical as well as mental health of members, IRIA introduced the RADIOLOGY AROGYA CLINIC. It includes Physical wellness, mental wellness, prevention of noncommunicable disease, entertainment and social wellness.
14. **SHAKTI- The Women's Wing of IRIA** was launched.
15. **UTSAV-** The celebration of Unity in Diversity, celebrating festivals across the country.
16. IRIA participated in **ECR meets INDIA 2021** and the KSR – IRIA friendship symposium is rescheduled to April 2022.
17. Recognition certificates to ethical practicing radiologists, best innovators in radiology and outstanding teachers.
18. Constitution update has been done.
19. Fixing minimum price for radiology services and Teleradiology guidelines.
20. **Two Global Radiology Summits and one Sonosummit conference** were organized during this period.
21. 'Entrepreneurship Advisory Committee' to give expert opinion to the young Radiologists especially those who want to purchase new equipment/start diagnostic centers (for budding enterpriser in radiology).
22. Creation of more EDiR Exam centers in India. More centers in Chennai and Hyderabad are being created so that a greater number of Candidates can be accommodated for the EDiR Examination in India.

23. Inclusion of Outpatient and Inpatient services under Interventional Radiology/ Radiology Departments and promoting the concept of 'Clinical Radiologist'.
24. Requested AERB to consider - Radiologists as RSO like in the American Board in PET CT and other modalities where CT is used.
25. We have asked the National Medical Commission to change the nomenclature of the qualifying degree to MD CLINICAL RADIOLOGY and also submitted an updated curriculum to match international standards. IRIA also submitted the updated curriculum to National Board of Examination.
26. Numerous steps were taken to prevent unethical practices and uphold the dignity of our profession.
27. Compiled PC & PNDT Act with all amendments.
28. **IRIA OLYMPICS 2023** – a new initiative for holistic development of members and encouraging everybody to participate in all sporting endeavors.
29. Approached the court to include MD/DNB Radiology as basic requirement for Fellowships in Neuro and Fetal Medicine in DNB.
30. strengthened the Social Security Scheme of IRIA.
31. IRIA day, Teachers' Day and Roentgen Day were celebrated with great fervor across all state chapters.
32. All four ICRI CMEs and two IREP programmes were organized to perfection and proved to be of immense help to residents and consultants alike.

COMPREHENSIVE TEXTBOOK OF
CLINICAL RADIOLOGY

VOLUME II: CENTRAL NERVOUS SYSTEM

Comprehensive Textbook of Clinical Radiology is a fully integrated illustrated textbook of radiology to cater for residents and practising radiologists. It is a one-stop solution for all academic needs in radiology. It helps radiologists as a single reference book to gain complete knowledge instead of referring to multiple resources. More than 500 remarkable authors, who are recognized experts in their speciality, have contributed to this book. To meet the expectations of clinical radiologists, thorough clinical expertise and familiarity with all the imaging modalities appropriate to address their clinical questions are necessary, regardless of one's favoured sub-specialty. To keep the content relevant to them, we have tried to stay upgraded at their level. This book comprises six volumes, which give comprehensive knowledge of Radiological Anatomy, Embryology, Homogram, Normal Variants, Physics, Imaging Techniques, and all the aspects of Diagnostic Radiology including Neuro-radiology, Head and Neck, Chest and CVS, Vascular Intervention, entire Abdomen, Obstetrics and Gynaecology, Breast, Musculoskeletal and Multisystem Disorders & related interventional techniques. It will serve as a primary reference for residents and subspecialty students to facilitate their education and to prepare for their examination, and also for the consultant radiologists, particularly in their clinical practice.

This volume is subdivided into three parts. The first part deals with paediatric neuro-radiology. It is written by eminent international neuro-radiologists with a deep insight into the normal development of the paediatric brain, anomalies, paediatric infections and pathologies and paediatric spinal anomalies. The second part comprises adult neuro-radiology. The role of imaging in diagnosing neurological diseases is discussed across the spectrum of conditions, which includes skull, sellar and cranial nerve pathologies, trauma, infection, stroke, CNS disorders, inflammatory and demyelinating diseases, epilepsy, tumours and tumoral-like diseases, and metabolic and neurodegenerative diseases. The third part elaborates the interventional neuro-radiology intervention in neuro-radiology is a subspecialty in itself. The section's comprehensive coverage deals with all the brain and neck vascular abnormalities and their interventions in great detail.

KEY FEATURES:

- Divides the contents of each volume into sections – to mirror the way you practice.
- Includes topics like Paediatrics Oncology and Interventional Radiology in each section for a holistic approach.
- Provides content written by more than 500+ prominent authors across the globe and further edited by more than 50+ editors of global repute.
- Organizes the material in structured, consistent chapter layouts for efficient and effective review.
- Contains heavily illustrated radiographical images along with additional CT, HRCT and MR correlative images.
- Covers the application of advanced neuroimaging techniques of spectroscopy, diffusion, perfusion and functional MRI.
- Provides approach to radiological diagnosis will be useful for radiologists in training.
- Comprises additional online chapters in each volume with online references and other ancillary materials which would make learning and understanding much easier.

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CLINICAL RADIOLOGY
VOLUME II: CENTRAL NERVOUS SYSTEM

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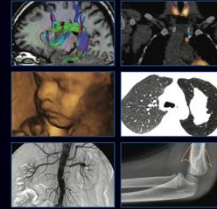
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