

ISMRM Indian Chapter 2026

International Society for Magnetic Resonance in Medicine

ISMRM India Chapter Annual Conference 2026

February 27 - March 1, 2026

Hotel O' by Tamara, Thiruvananthapuram

Kerala, India.

Scientific Schedule

Day 1: Friday, February 27, 2026

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| 08:00 - 09:00 | Registration |
| 09:00 - 12:30 | Workshop Session 1: Neuro Imaging <i>Course Directors: Dr. Arpita Sahu, Tata Memorial Hospital, Mumbai, India, Dr. Santosh Gupta, Mumbai</i> <i>Coordinators: Dr. Smitha KA, Mr. Jithin SS and Mr. Rajesh PG, SCTIMST</i> fMRI - rsfMRI and DTI |
| 09:00 - 12:30 | Workshop Session 2: Cardiac Imaging <ul style="list-style-type: none">● Image Acquisition● Image Optimization● Image Post Processing |
| 12:30 - 14:00 | Lunch |
| | Workshop session 3 - AI in MRI <i>Course Director: Dr. Jayadevan ER, SCTIMST</i> |
| 14:00 - 14:10 | Session 1: Introduction - AI in MRI: Transforming Modern Radiology <i>Dr. Jayadevan ER, SCTIMST</i> |
| 14:10 - 14:30 | Session 2: Foundations - Understanding Machine Learning and Deep Learning in MR Image Analysis (Lecture + Visual Demo) <i>Dr. Raji Susan Mathew, IISER TVPM</i> |
| 14:30 - 14:50 | Session 3: Quantitative MRI and Radiomics - AI-driven Quantitative Imaging and Radiomics Across MRI Applications (Lecture + Case Discussion) <i>Venkateswaran Rajagopalan, BITS Pilani</i> |

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| 14:50 - 15:10 | Session 4: Interactive Demo - AI-based Segmentation and Quantification in MRI <i>Dr. Seenia Jinson, C-DAC TVPM</i> |
| 15:10 - 15:30 | Session 5: Future Directions - Radiologist–AI Collaboration: Ethical, Educational, and Practical Aspects (Lecture + Case Discussion) <i>Dr. Krithika, AIIMS New Delhi</i> |
| 15:30 - 16:00 | Session 6: Image Processing to Image Intelligence: Insights on developments and implementation of AI solutions <i>Dr Akash Gandhamal, United Imaging Healthcare</i> |
| 16:00 - 16:30 | Session 7: Workflow Integration - From Workstation to Workflow: Implementing AI Tools in Routine MRI Practice (Demonstration) <i>Philips Team</i> |
| 16:30 - 16:50 | Session 8: Research and Development Perspective - Building AI Models in MRI: From Dataset to Model Development - Classification model (Demonstration) <i>Dr. Jayadevan SCTIMST</i> |
| 16:50 - 17:10 | Panel Discussion & Q&A - The Future of AI in MRI: Multispecialty Collaboration Roadmap (Panel + Open Forum) <i>A multidisciplinary panel</i> |
| 17:30 - 18:30 | ISMRM Indian Chapter Executive Committee Meeting: Board room, O' by Tamara |
| 19:00 PM onwards | Faculty Dinner, Roof Top, O' by Tamara |

Day 2: Saturday, February 28, 2026

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| 07:00 - 08:00 | Breakfast | |
| 08:00 - 08:45 | Registration | |
| 08:55 - 09:00 | Introduction & House Keeping Announcements <i>Dr. Kesavadas C, Dr. Bejoy Thomas</i> | |
| HALL A | Session 1A - Automation and Low field MRI Chair: Dr. Kesavadas C, Dr. Ashalatha R | HALL B Session -1B Cardiac Radiology- 1 Chair: Dr. Kapilamoorthy TR, Dr. Jineesh V |
| 09:00 - 09:20 | Towards Automated Detection of FCDs with AI <i>Dr. Jeny Rajan, NIT Suratkal, India</i> | Stress Perfusion Cardiac MRI <i>Prof. Mayil S Krishnam, Stanford, USA</i> |
| 09:20 - 09:40 | Automated Detection of Epileptogenic Lesions in Children <i>Prof. Sniya Sudhakar, GOSH, UK</i> | Imaging in Cardiac Implants <i>Dr. Jineesh V, SCTIMST, Kerala</i> |
| 09:40 - 10:00 | 0.5 Tesla Imaging - An Indian Experience <i>Prof. Devasenapathy Kandasami, AIIMS Delhi, India</i> | Beyond the Null Point: A Masterclass in Late Gadolinium <i>Prof. Narendra K Bodhey, AIIMS Raipur, India</i> |

| HALL A | Session 2A- Neuro Imaging- 1 Chair: Dr. Rahul Gaurav, Dr. Senthil Kumaran | HALL B Session 2B - Cardiac Radiology- 2 Chair: Dr. Anoop A, Dr. TBA |
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| 10:00 - 10:20 | Functional MR Imaging in Addiction <i>Dr. Senthil Kumaran, AIIMS, New Delhi, India</i> | Need for Speed in Cardiac Imaging <i>Dr. Rengarajan R, AIIMS Madurai, India</i> |
| 10:20 - 10:40 | Qualitative Brain MRI in the Era of AI <i>Dr. Krishnamoorthy Thamburaj, PENN, USA</i> | T2* Imaging in Heart <i>Dr. Vineeta Ojha, AIIMS Delhi, India</i> |
| 10:40 - 11:00 | Genetics and Neuroimaging <i>Prof. Sniya Sudhakar, GOSH, UK</i> | 4D Flow in Cardiovascular Applications <i>Dr. Anoop. A, SCTIMST, India</i> |
| 11:00 - 11:30 | Tea Break | |
| 11:30 - 12:00 | HALL A Session 3: Plenary Session - Chair: Bejoy Thomas Artificial Intelligence in Imaging of Brain Tumors: A Personal Journey Through the Decade. <i>Prof. Rajan Jain, NYU, USA</i> | |
| 12:15 - 12:30 | Industry Talk- Elevating MR imaging through Ultra High Field 5T and integration of Artificial Intelligence' Dr. Dileep Kumar, United Imaging Healthcare | |
| 12:30 - 12:45 | Industry Talk - Siemens | |
| 12:45 - 13:00 | Industry Talk - GE | |

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| 13:00 - 14:00 | Lunch | |
| HALL A | Session 5A - Pediatric Neuroimaging Chair: Dr. Gopinathan K, Dr Anuj Prabhakar | HALL B Session 5B - Advances in Liver imaging Chair: Dr. Jaladhar Neelavalli, Dr. TBA |
| 14:00 - 14:20 | Imaging of Embryonal Tumors of the CNS <i>Dr. Asim Bag, St. Jude Children's, USA</i> | Gadoxetic Acid Enhanced MR Imaging of the Liver <i>Dr. Ravikanth Balaji, Muscat, Oman</i> |
| 14:20 - 14:40 | Pediatric Clinical Functional MRI: Case-based Tips and Tricks <i>Prof. Rupa Radhakrishnan, UPMC, USA</i> | Elastography of Liver and Beyond <i>Dr. Yogesh Kannan Mariappan, Senior Clinical Scientist, Philips, India</i> |
| 14:40 - 15:00 | Sodium Imaging in Pediatric Brain Tumors <i>Dr. Aashim Bhatia, CHOP, USA</i> | MR Protocol Optimisation for Lymphangiography and Donor-Liver Biliary Tree Assessment <i>Dr. Jaladhar Neelavalli, IIT-H, India</i> |
| HALL A | Session 6A - Advances in Body MRI imaging Chair: Dr. Ajay Alex, Dr. TBA | HALL B Session 6B - What's new in Brain Imaging Chair: Dr. Kesavadas C, Dr. TBA |
| 15:00 - 15:20 | New MRI Techniques in MSK <i>Prof. Amol Gautam, Symbiosis, India</i> | Non-invasive Detection of Nicotinamide Adenine Dinucleotide (NAD+) and Other Downfield Resonances in the Human Brain Using 3T ¹H MRS <i>Prof. M Albert Thomas, UCLA, USA</i> |
| 15:20 - 15:40 | Skeletal Muscle Mitochondrial OXPHOS Imaging <i>Dr. Puneet Bagga, St Jude Children's, USA</i> | Imaging and Neuromodulation <i>Dr. Priyanka Bhat, AIIMS, New Delhi, India</i> |
| 15:40 - 16:00 | Advances in MR Imaging of Breast Lesions <i>Dr. Krithika Rangarajan, AIIMS Delhi, India</i> | Evolving Models of Oxygen Extraction Fraction in Quantitative BOLD MRI and Their Emerging Role in Neurological Disease Characterization <i>Joseph Paul, IIITM-K Thiruvananthapuram</i> |

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| 16:00 - 16:30 | Tea Break |
| 16:30 – 18.30 | HALL A Session 7: Inaugural Ceremony and National Science Day Talk ‘History of Magnetic Resonance in India and of ISMRM India Chapter’ Prof. Naranamangalam R Jagannathan, Koita Center for Digital Health, IIT, Mumbai Chettinad Hospital and Research Institute, Kelambakkam, TN, Department of Radiology, Sri Ramachandra Hospital, Chennai, TN |
| 18: 30- 18.40 | Group Photo |
| 18:40 - 19:20 | Hall A: General Body Meeting, ISMRM India Chapter, |
| 19:20 onwards | Cultural Events and Gala Dinner @ O by Tamara |

Day 3: Sunday, March 1, 2026

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| 08:00 - 09:00 | HALL A Chair and Judges: Proffered Papers | | Chair: Dr. Ajay Alex and Dr. Senthil Kumaran |
| HALL A | Session-8A AI in Imaging Chair: Dr. Anant Patel, Dr. Jayadevan ER | HALL B | Session 8B - Cutting Edge Clinical Research in MR Chair: Dr. Ekta Dhamija, Dr. TBA |
| 09:00 - 09:20 | Artificial Intelligence in Radiology Practice <i>Dr. Dattesh Shanbhag, Lead, GE Global Research, India</i> | | Advanced Brain Imaging in Early Neurodevelopmental Impact of Prenatal Substance Exposure <i>Prof. Rupa Radhakrishnan, UPMC, USA</i> |
| 09:20 - 09:40 | AI in MR Imaging: Recent Advances <i>Dr. Harsh Agarwal, Senior MR Application Engineer, GE Healthcare, India</i> | | Quantitative MR Imaging of Prostate Cancer <i>Prof. Chandan Das, AIIMS Delhi, India</i> |
| 09:40 - 10:00 | AI in MR Imaging - Clinical Explainability of Models <i>Dr. Jayadevan ER, SCTIMST, India</i> | | Ultrashort TE MRI for Cortical Bone Assessment: Early Clinical Insights <i>Dr. Rakhee Kumar Paruchuri, GVK Health Hub, Hyderabad, India</i> |

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| HALL A | Session 9A - Advances in MR Imaging: Indian Experience Chair: Dr. Kesavadas C, Dr. TBA | HALL B Session 9B - Abdominal Imaging Chair: Dr. Jineesh V, Dr. TBA |
| 10:00 - 10:20 | Accessible MRI Technology on 0.5T and 1.5T: Recent Advances <i>Dr. Ramesh Venkatesan, Senior Director, GE Healthcare, India</i> | Advanced Imaging in Pancreatic Lesions <i>Prof. Devasenapathy Kandasamy, AIIMS Delhi, India</i> |
| 10:20 - 10:40 | Advanced Neuroimaging Unravelling Structural and Metabolic Complexity of Aging Brain and Brain Tumors <i>Dr. Vivek Tiwari, IISER, Berhampur, India</i> | Inflammatory Conditions in Abdominal MRI <i>Dr. Sonal Krishnan, New Delhi, India</i> |
| 10:40 - 11:00 | Beyond Visual Ischemia: Quantitative Stress Perfusion MRI in an Indian Cohort <i>Dr. Suraj Gowda, Narayana Hrudayalaya, India</i> | IVIM in Response Assessment in Rectal Malignancies <i>Prof. Chandan Das, AIIMS Delhi, India</i> |
| 11:00 - 11:25 | Tea Break | |
| HALL A | Session10 A - Plenary session - 2 Chair: Dr. Kesavadas C | |
| 11:30 - 12:00 | Multiparametric Imaging of Brain Tumors <i>Prof. Dr. RK Gupta, New Delhi, India</i> | |

| HALL A | Session 10 A - Teaching Course: Physics of MR imaging Chair: Dr. Yogesh Kannan Dr. Vivek Tiwari | HALL B Session 10 B - Making of Indigenous Indian MRI Chair: Prof. Jagannathan, Dr. Kesavadas C |
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| 12:00 - 12:20 | PET MRI <i>Prof. Rajesh Kannan, AMRITA, Kochi, India</i> | Making of Indigenous MRI in India: From Inception to Installation; A Start-up Story <i>Mrs. Swathy Padarthi, Voxelgrids, Bengaluru, India</i> |
| 12:20 - 12:40 | Diffusion Imaging <i>Dr. Durgesh Dwivedi, KGMU, Lucknow, India</i> | Imaging Challenges in Indigenous 1.5T MRI <i>Mr. Dharmesh Verma, SAMEER, India</i> Prototype to Product: 1.5T Indigenous MRI <i>Mr. Tapas K Bhuiya, SAMEER, India</i> Towards Self- Reliance: Critical Technologies in whole body Supercon MRI Magnet <i>Dr. Sumesh Kar, IUAS, India</i> |
| 12:40 - 13:00 | Advanced DTI: Opportunities and Challenges <i>Dr. Smitha K A, SCTIMST, India</i> | |
| 13:00 - 13:10 | HALL A Industry Talk - Philips | |
| 13:10 - 14:15 | Lunch | |
| 14:15 - 14:45 | HALL A Chair: Dr. Bejoy Thomas Life Skill Session - A Finance Primer for Radiologists and Physicists <i>Prof. Biju John C, RIO, Thiruvananthapuram, India</i> | |

| HALL A | Session 12 A - Debates on Challenges and Safety Chair: Dr. Rose Dawn, Dr. TBA | HALL B Session 12 B - Traumatic Brain Injury and MRI-based Biomarkers: From Imaging to AI Chair: Dr. TBA |
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| 14:45 - 15:00 | Diffusion MRI: Radiomics and AI for Cancer Prognostication <i>Dr Esha Baidya Kayal, Institute of Liver and Biliary Science, New Delhi, India</i> | <i>Prof. B.V. Rathish Kumar, IIT Kanpur, India</i> <i>Dr. Durgesh K. Dwivedi KGMU, Lucknow, India</i> <i>Prof. Sudhir Pathak, University of Pittsburgh, USAS</i> AI/ML in Neuroimaging Diffusion MRI in TBI MR Spectroscopy (MRS) & Resting-state fMRI and Functional Connectivity |
| 15:00 - 15:30 | Quantitative and Advanced Methods in NeuroMRI: Are They Really Needed? <i>Dr. Sarbesh Tiwari / Prof. Kesavadas C / Prof. Rose Dawn Bharat, India</i> | |
| 15:30 - 16:00 | MR Safety Quiz <i>Dr. Ajay Alex, SCTIMST, India</i> | |
| 16:00 - 16:30 | Closing Remarks and Prize Distribution | |
| | National Anthem | |
| | Tea | |
| | See you next year for ISMRM- India 2027 | |