



NCSI 2024

CHENNAI

5th ANNUAL CONFERENCE
of the
NEUROCRITICAL CARE SOCIETY OF INDIA (NCSI)

30TH AUGUST - 1ST SEPTEMBER, 2024
PRE-CONFERENCE WORKSHOP
29TH AUGUST 2024

THEME:
Emerging Trends,
Expanding Scopes,
Changing Perspectives

TNMCI Credit Hours
Workshop - 2 Hours
Conference - 6 Hours



📍 SHERATON GRAND, MAHABALIPURAM, TAMILNADU
✉️ ncsi2024@gmail.com 🌐 www.ncsi2024.com

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CLASSROOM



WELCOME MESSAGE



Dear Friends,

We are delighted to host NCSI 2024, the 5th Annual conference of the Neurocritical Care Society of India (NCSI) to be held at Chennai, the health capital of India.

The theme of the conference is "Emerging Trends, Expanding Scopes, Changing Perspectives."

Evidence and practice changing literatures are evolving every year and at the same time we also have lot of unanswered questions and difference in practice and dilemmas.

The scope of practice in Neurocritical care is evolving. With formal training and progressing neurosciences critical care units evolving the pathways and care are going to be standardised. We are in the era where a rapid progress is happening in the management of critically ill neurological patients. Constant changes need upgradation of our knowledge and skills to foster the need of our patients and achieve the best possible outcomes.

NCSI 2024 provides an opportunity for all the practicing intensivists, neurointensivists to interact with eminent faculty across the country and pioneer international faculty with vast experience in this field.

Practicing delegates attending this conference would benefit immensely from the inputs from the faculty.

We have designed the scientific program to be very interactive to address all the questions in the minds of the delegates.

Best practices shared will uplift individuals practice and improve patient care. For a researcher it provides ample questions to take home and device a methodology to find an answer through evidence.

We are proud to introduce our mascot "Thalaivaa". It's a symbolism of being fast, striving excellence, smart and being a fine leader.

Chennai, the gateway to the south of India which has the glory of producing some of the eminent Neuroscientists to the world is eager to welcome you all to this annual event .

The biggest cultural, economic and education centre in the southern side of India has the best weather prevailing during these days and we will be delighted to provide you with a warm hospitality in the Coromandel Coast off the Bay of Bengal.

Welcoming you all to Chennai for the NCSI 2024.

With Best Regards

Dr. V. Ponniah

Organising Secretary, NCSI 2024

President,

Neurocritical Care Society of India (NCSI)



NCSI 2024 CHENNAI

CHIEF PATRON

Dr. S. Chandrakumar

Founder and Executive Chairman
of Kauvery Group of Hospitals

PATRONS

Dr. Manivannan Selvaraj

Founder and Managing Director,
Kauvery Group of Hospitals

Dr Aravindan Selvaraj

Co-Founder & Executive Director
Kauvery Group of Hospitals

Prof. K. Sridhar

Chief Advisor

Group Mentor and Director of Neurosciences
Kauvery Institute of Brain and Spine
Kauvery Hospital, Radial Road, Chennai

ORGANISING COMMITTEE



Dr. Prasanna Bidkar

Organising Chairman



Dr. Ponniah Vanamoorthy

Organising Secretary



Dr. Sindhu Priya M

Organising Joint
Secretary



Dr. Muthukumar R

Treasurer

SCIENTIFIC COORDINATOR



Dr. Mathangi Krishnakumar



WORKSHOP COORDINATORS

Dr. Ponniah Vanamoorthy

Dr. Prasanna Bidkar

PAPERS AND POSTERS

Dr. Mathangi Krishnakumar

SOCIAL MEDIA COORDINATOR

Dr. Sindhu Priya M

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Dr. Thamari Selvi

Dr. Devachandran J

Dr. Sathya A C

Dr. Ariyamanickam

Dr. S. Mahendran

Dr. Ramanan R

Dr. Praveen PV

Dr. Raymond Dominic Savio

Dr. Sabhanayagam

Dr. Arunkumar Natarajan

Dr. Sathya Periasamy

Dr. Bharath T

Dr. Rajasekhar R

Dr. Senthil



INTERNATIONAL FACULTY



Prof Umamaheswara Rao Oration



Dr. Jesse Claude Hemphill

Professor of Neurology,
University of California San Francisco Attending Physician, San Francisco General Hospital
Chief of Neurology Service, San Francisco General Hospital (aka Zuckerberg San Francisco
General Hospital - ZSFG)



Dr. Jose Ignacio Suarez

Professor and Chief Neurosciences Critical Care
Director Precision Medicine Center of Excellence
for Neurocritical Care Departments of
Anesthesiology and Critical Care Medicine,
Neurology, and Neurosurgery The Johns Hopkins
University School of Medicine, Baltimore, MD



Dr. Vijay Kumar Sharama

Associate Professor, Yong Loo Lin School of Medicine,
National University of Singapore Senior Consultant,
Division of Neurology, University Medicine Cluster,
National University Health System, Singapore



Dr. Chetan Venkatasubba Rao

Associate Professor
Neurology and Neurosurgery
Vascular Neurology and Neurocritical Care
Baylor College of Medicine
Houston, United States



Dr. Aoife Helen Mary Quinn

Specialty Lead Neurosciences and
Trauma Intensive Care Medicine Neurocritical Care
Unit Cambridge University Hospital,
Cambridge, United Kingdom



Dr. Dinesh Pal

Associate Professor of Anesthesiology
Associate Professor of Molecular &
Integrative Physiology Neuroscience Graduate
Program, Michigan Neuroscience Institute, Michigan
Psychedelic Center, Center for Consciousness Science
University of Michigan, United States



Dr. Malligere Prasanna

Staff Physician in the Critical Care Institute
at Cleveland Clinic Abu Dhabi, UAE



Dr. Wong Yu-Lin

Senior Consultant, Anaesthesiology,
Intensive Care and Pain Medicine,
TanTockSeng Hospital, Singapore



Dr. Francisco Alberto Almeida Lobo

Director of Research Anesthesiology Institute,
Consultant Anesthesiologist,
Cleveland Clinic Abu Dhabi, UAE



Dr. Abhay Kumar

Vascular Neurology, Neurocritical Care
Clinical Associate Professor, Neurosurgery,
UT Health Sciences Center, Houston, Texas



Dr. Rajashekar Mudaraddi

Specialist Anaesthesiologist Rashid Hospital &
Trauma centre, Dubai Health
MBRU , Dubai

Neurocritical Care Society (NCS) Panel



Dr. Chitra Venkatasubramanian

Clinical Professor, Stroke and Neurocritical Care
Associate Chair, Academic Affairs, Department of Neurology
Division of Neurocritical Care
Division of Stroke Stanford University School of Medicine
Stanford, United States



Dr. Lori Shutter

Vice Chair of Education Professor,
Critical Care Medicine, Neurology, and Neurosurgery Director,
Neurocritical Care Division Director,
Multidisciplinary Critical Care Training ProgramUPMC /
University of Pittsburgh School of Medicine, Pittsburgh



Dr. Kapil G. Zirpe

HOD Neuro-Trauma intensive care Unit
Grant Medical Foundation,
Ruby Hall Clinic, Pune, India



Dr. Romergrgyko G. Geocadin

Professor of Neurology,
Anesthesiology- Critical Care/Attending Physician,
Neurocritical Care Unit, Johns Hopkins Hospital,
Baltimore, Maryland, United States

WORKSHOP AND MASTERCLASS

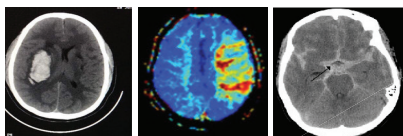
29th August 2024 - Pre - Conference Workshop

EKG IN CRITICAL CARE & MULTIMODAL NEUROMONITORING



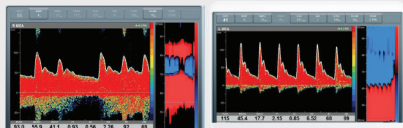
- EEG : How to read in ICU?
- NCSE : Patterns
- Ictal-Interictal Continuum
- AI and automated EEG
- NCS and EMG : For the Intensivist
- Evoked potentials in ICU
- ICP monitoring
- Pupillometry
- ONSD
- POCUS
- NIRS, SjVO2
- Microdialysis
- TTM
- Hemodynamic monitoring

NEURORADIOLOGY IN NEUROCRITICAL CARE



- CT
- MRI
- Vascular imaging
- Advanced imaging including perfusion studies
- Spine imaging
- Imaging in stroke
- Imaging in SAH and ICH
- Neurooncology imaging
- Imaging infection and inflammation
- Neuroimaging in prognostication

TRANSCRANIAL DOPPLER



- Cerebrovascular anatomy relevant to TCD
- Physics and Principles of TCD
- Knobology : Understanding the machine and display
- Demonstration of vessel identification
- Interpreting the spectral waveform
- VMR and Autoregulation
- Vasospasm and hyperemia
- ICP and Cerebrocirculatory arrest
- PFO detection and Emboli monitoring
- Carotid and intracranial stenosis
- Stroke prevention : treadmill for brain
- Color Duplex USG and doppler of extra cranial carotids



MULTIMODAL NEUROMONITORING

Workshop and Masterclass Faculty

Time	Topic		Moderator	
8:00 AM	Registration			
8:10 AM - 8:20 AM	Setting the stage		Dr Sindhu Priya M	
8:20 AM - 8:40 AM	EEG: How to read EEG in the ICU		Dr Arul Mozhi	
8:40 AM - 9:00 AM	Demonstration of ONE : Next generation portable , AI based EEG systems in clinical utility		Ashwin	
9:00 AM - 9:20 AM	Processed EEG		Dr Shobana Rajan	
9:20 AM - 9:40 AM	NCSE Patterns		Dr Arul Mozhi	
9:40 AM - 10:00 AM	EEG : case based learning . Status epilepticus		Dr. Shrivarthan	
10:00 AM -10:20 AM	Evoked potentials in ICU		Dr Swethashri	
10:20 AM -10:40 AM	NCS : What an intensivist should know		Dr. Shrivarthan	
10:40 AM -11:00 AM	EEG : Case based learning . Brain injury after cardiac arrest			
Learning passports: Workstations	Station 1	Station 2	Station 3	Station 4
11:00 Am - 01:00 PM	EEG in the Critical care	Evoked potentials in the ICU	Processed EEG (BIS/Entropy / CONOX/Sedline) in the ICU	Continuous EEG monitoring, NCS
	Dr Priya/ Dr Sangeetha/ Ashutosh /Binesh	Dr Sharmishtha /shewatha sri/ Arul Velan	Dr Shobana Rajan/ Dr Sneha Singh/ Vanitha	Dr Arul Mozhi/ Dr Shrivarthan



MULTIMODAL NEUROMONITORING

Workshop and Masterclass Faculty

Learning passports: Workstations				
Timing	Station 1	Station 2	Station 3	Station 4
11:00 AM – 11:30 AM	A	B	C	D
11:30 AM - 12:00 PM	D	A	B	C
12:00 PM - 12:30 PM	C	D	A	B
12:30 PM - 01:00 PM	B	C	D	A
01:00 PM – 01:40 PM	Lunch			
01:40 PM - 2:00 PM	ICP . CPP opt and Prx ICM + by Aoifee Quinn			
Learning passports: Workstations	Station 1	Station 2	Station 3	Station 4
02:00 PM - 4:00 PM	ICP and Pupillometry, CPP opt	NIRS, SjVO2, Pbo2	USG POCUS,ONSD	Microdialysis, TTM, Airway
	Dr Aoifequinn/ Dr.Shwethashri K R/ Priya	Dr. Mangesh Mulaokar/Binesh Badyal	Ashutoh / Sneha Singh/ sharmishtha	Dr Vanitha / Sangeetha / DrArul Velan
Timing	Station 1	Station 2	Station 3	Station 4
02:00 PM – 02:30 PM	A	B	C	D
02:30 PM - 03:00 PM	D	A	B	C
03:00 PM - 03:30 PM	C	D	A	B



MULTIMODAL NEUROMONITORING

Workshop and Masterclass Faculty

Learning passports: Workstations	Timing	Station 1	Station 2	Station 3	Station 4
02:00 PM - 4:00 PM	03:30 PM - 04 :00 PM	B	C	D	A
4:00 – 5:00 pm	Hemodynamic monitoring in Neurocritical Care: Case based Learning discussion: Moderator - Dr Bharath Faculty: Dr Vanitha, Dr Sangeetha, Dr Shwethasri				

NEURORADIOLOGY IN NEUROCRITICAL CARE

Workshop and Masterclass Faculty

Time	Topic	Moderator
08:00 AM – 8:20 am	Registration	
08:20 AM – 8:30 am	Setting the stage	Dr Mathangi
08: 30 AM – 9:00 AM	CT	Dr Dinesh
09:00 AM -09:30AM	MRI	Dr Vivek
09:30 AM -10:00 AM	Vascular imaging: CTA, MRA,DSA	Dr Arthi
10:00 AM-10:30 AM	Spine imaging: X Rays, CT and MRI	
10:30 AM -11:00 AM	RAPID: Automated Imaging interpretations and AI in Clinical decision making	Dr Chitra Venkatraghavan



	Station 1	Station 2	Station 3	Station 4
11:00 am – 1:00 pm	TBI	AIS	ICH / CVT	SAH
	Dr Vivek / Dr Shyamala / Dr Sathish	Dr Dinesh/ DrMahendranath/ Dr Soumya M	Dr Chitra Venkatraghavan / Dr Saranya	Dr Arthi/ Dr Mouleeswaran S
11:00 AM –11:30 AM	A	B	C	D
11:30 AM –12:00 PM	D	A	B	C
12:00 PM – 12:30 PM	C	D	A	B
12:30 PM – 01:00 PM	B	C	D	A
01:00 – 2:00 pm	Lunch			
	Station 1	Station 2	Station 3	Station 4
02:00 PM– 04:00 PM	Spine	Tumor	Infection and Inflammation	Encepalopathy, Coma, Neuroprognostic ation
	Dr Vivek / Dr Selvin /Dr Shyamala	Dr Dinesh / Dr Mahendranath / Dr Soumya M	Dr Arthi / Dr Mouleeswaran S	Dr Chitra V / Dr Saranya
02:00PM – 02:30 PM	A	B	C	D
02:30 PM – 03:00 PM	D	A	B	C
03:00 PM – 03:30 PM	C	D	A	B
03:30 PM – 04:00 PM	B	C	D	A
04:00 PM – 5:00 PM	Clinical neuroradiology: Case based learning discussions		Moderator: Dr Mathangi Krishnakumar	Experts 1. Dr Chitra Venkatraghavan 2. Dr K Sridhar 3. Dr Dinesh 4. Dr Vivek 5. Dr Nishta



TRANSCRANIAL DOPPLER

Workshop and Masterclass Faculty

Time	Topic	Moderator
8:00 AM	Registration	
8:10 AM - 8:20 AM	Setting the stage	Dr Ponniah Vanamoorthy
8:20 AM - 8:40 AM	Cerebrovascular Anatomy with relevant to TCD	
8:40 AM - 9:00 AM	Physics and principles of TCD	Dr Lokesh B
9:00 AM - 9:20 AM	Knobology :Understanding the machine and display	Prof Vijay Kumar Sharma
9:20 AM - 9:40 AM	Demonstration of Vessal Identification:ICA, MCA,ACA,PCA	
9:40 AM - 10:00 AM	Demonstration of Vessal Identification :VA, BA, EC ICA	
10:00 AM -10:20 AM	Interpreting the spectral Waveform	
10:20 AM -10:40 AM	VMR and Autoregulation	
10:40 AM -11:00 AM	Sickle Disease , Anemia and Polycythemia	Dr Lokesh B



TRANSCRANIAL DOPPLER

Workshop and Masterclass Faculty

	Station 1	Station 2	Station 3	Station 4
11:00 AM - 01:00 PM Learning Passports : hands on training	Prof Vijay Kumar Sharma / Dr Navneh	Dr Lokesh B / Dr Sarikha Juneja	Dr Ponniah Vanamoorthy / Dr Anagh/Dr Devi Prasad	Dr Saurabh Anand Dr Ramanan / Narendra Kaloria
01:00 PM - 2:00 PM	Lunch			
2:00 PM - 2:20 PM	Monitoring for Vasospasm			Dr Saurabh Anand
2:20 PM - 2:40 PM	ICP & Cerebrocirculatory arrest			Dr Ponniah Vanamoorthy
2:40 PM - 3:00 PM	PFO detection and Emboli monitoring			Prof Vijay Kumar Sharma
3:00 PM - 3:20 PM	Carotid stenosis & Intracranial			
Stenosis				
3:20 PM - 3:40 PM	Stroke prevention : TREADMILL for brain			Dr Lokesh B
3:40 PM - 4:00 PM	Color Duplex USG imaging and Doppler for Extracranial ICA			Prof Vijay Kumar Sharma
4:00 PM - 5:00 PM	TCD and therapeutics: Case based learning discussion			Moderator : Dr Ponniah Vanamoorthy Experts : Prof Vijay Kumar Sharma / Dr Lokesh B / Dr Saurabh Anand



Day 1 - HALL A - 30th August 2024

TIME	TOPIC	SPEAKER
Session 1 08:00 Hrs - 08:15 Hrs 08:15 Hrs - 08:30 Hrs 08:30 Hrs - 08:45 Hrs 08:45 Hrs - 09:00 Hrs	Re-Look to Move forward Chairpersons: Dr. Prasanna Bidkar, Dr. Keshav Goyal, Dr. Rohini M Surve Head position in Neurocritical Care: Are we getting it right? Hyperventilation in TBI Increase in PEEP on ICP and Pbo2: Should you bother? Hypothermia: Old talk ...What Next?	Dr. Revikrishnan S Dr. Geetha L Dr. Priyanka Khurana Dr. Ashish Bindra
Session 2 09:00 Hrs - 09:15 Hrs 09:15 Hrs - 09:30 Hrs 09:30 Hrs - 09:45 Hrs 09:45 Hrs - 10:00 Hrs	Brain Health Chairpersons: Dr. Rajeew Chauhan, Dr. Ruchi Verma, Dr. Arul Velan Cerebral Oxygenation in critical care : Strategies to optimise How best to Monitor the uninjured Brain. Neuromonitoring What? Why? How? To prevent and identify cerebral complications Fluid Management in Neurocritical Care: New insights and personalised management Neuroinflammation and biomarkers in acute brain injury: Can we predict Prognosis?	Dr. Suparna Bharadwaj Dr. Vanitha Rajagopalan Dr. Suryakumar Dube Dr. Manikandan
Session 3 10:00 Hrs - 10:20 Hrs 10:20 Hrs - 10:40 Hrs 10:40 Hrs - 11:00 Hrs	Stroke of Genius Chairpersons: Dr. Mihir Pandia, Dr. Pragati Ganjoo, Prof. K. Subramaniyan Choosing Antithrombotics after Acute Ischemic Stroke : Does one size fit all Neurovascular disease in Pregnant Patient Pushing Bpundaries for IVT and EVT for Acute Ischemic Stroke	Dr. Vijay Sharma Dr. Aoife Quinn Dr. Chitra V
Session 4 11:00 Hrs - 11:20 Hrs 11:20 Hrs - 11:40 Hrs 11:40 Hrs - 12:00 Hrs	Brain under pressure : Tackling complexities in Neurocritical Care Chairperson: Dr. Chidananda Swamy, Dr. Virendra Jain, Dr. Biswarup Pal Blood Pressure management in ICH and AIS Optimizing Long-term Sedation to Facilitate Sleep Homeostasis Brain Death: Optimising organ function - Challenges and solution	Dr. Chethan Venkatasubba Rao Dr. Dinesh Pal Dr. Durgesh J Satalkar
Sesssion 5 12:00 Hrs - 13:00 Hrs 13:00 Hrs - 14:00 Hrs	Prof G.S. Umamaheswar Rao Oration Chairperson: Dr. Sriganesh K, Dr. V.J. Ramesh, Dr. Bhadrinarayanan Curing Coma: A grand challenge for Neurocritical Care Worldwide Lunch Lunch on session: Quick Bites Chairpersons: Dr. Manish Marda, Dr. Bharath S, Dr. S Kalavathy Biofire for Meningitis: Tool worth it? Procalcitonin: When to order? How to Interpret? Albumin in Neurocritical Care EVD maintainance: 10 Things NOT to do	Dr. Claude Hemphil Dr. Ashish Kumar Sahoo Dr. Sachin Dr. Ranganatha Praveen Dr. Nathasha Olga Vas



TIME	TOPIC	SPEAKER
Session 6 14:00 Hrs - 14:10 Hrs 14:10 Hrs - 14:20 Hrs 14:20 Hrs - 14:30 Hrs 14:30 Hrs - 14:40 Hrs 14:40 Hrs - 14:50 Hrs 14:50 Hrs - 15:00 Hrs	TED Talks Chairpersons: Dr. Bhibhukalyani Das, Dr. Georgine Singh Dr. Vetrivelan Extubation in NCC: Dealing the Dilemma TEG Platelet mapping: Applications in Neurocritical Care Pupillometry: A Window into the Brain IVIG vs PLEX in GBS: How to choose ? 3% NS ,THE SALT: Story and Screenplay Apnea Test: Tackling Confounders	Dr. Shashank Paliwal Dr. Vivek Rayadurg Dr. Siddarth chavali Dr. Ranadhir Mitra Dr. Ankur Khandelwal Dr. Ankita Dey
Session 7 15:00 Hrs - 15:15 Hrs 15:15 Hrs - 15:30 Hrs 15:30 Hrs - 15:45 Hrs 15:45 Hrs - 16:00 Hrs	Bleed No more Chairpersons: Dr. Uma Maheshwar Rao, Dr. Ratan Chalani, Dr. Haraihar Dash Predicting and preventing ICH expansion Surgical evacuation and Intraventricular Thrombolysis for ICH: Better than Medical Management alone ? Resuming Antithrombotics after ICH Preventing and Managing Post treatment bleeding of cerebral AVM	Dr. Saurabh Anand Dr. K. Sridhar Dr. Sudhir V Dr. Rohini M Surve
Session 8 16:00 Hrs - 16:15 Hrs 16:15 Hrs - 16:30 Hrs	Brain Battles When it is Status Epilepticus the second line should be Anti epileptic drugs or Anesthesia? Moderator: Dr. Jayanth S Anti Epileptic Drugs Anesthesia Resuscitation Fluid in TBI should be Isotonic Saline or Balanced Crystalloids? Moderator: Dr Prasanna Bidkar Balanced Crystalloids Isotonic Saline	Dr. Swathi Chhabra Dr. Seham Syeda Dr. Kaustuv Dutta Dr. Prashanth Menon
Session 9 16:30 Hrs - 17:00 Hrs	Expert Exchange Moderator: Dr. Ponniah Vanamoorthy Panelist: Dr. Venkatesh Keshaven, Dr. Chidanand Swamy, Dr. Aoife Quinn, Dr. Dhaval Sukhla The tale of Diffuse Injury: Managing TBI in diverse situations. What works? Where it works?	
Session 10 17:00 Hrs - 17:10 Hrs 17:10 Hrs - 17:20 Hrs 17:20 Hrs - 17:30 Hrs	How I Do it (VIDEO SESSION) Chairpersons: Dr. Prasanna Bidkar, Dr. Ajay Prasad Hrishi P, Dr. Mukilan B Diaphragm USG Brain USG Lung Ultrasound	Dr. Kalicharan Das Dr. Kiran Jangra Dr. Sourav Burman



TIME	TOPIC	SPEAKER
Session 11 17:30 Hrs - 17:50 Hrs 17:50 Hrs- 18:00 Hrs	Panel Discussion Access to future : Role of PICC in ICU Panelists: Dr. Manish Marda, Dr. Saurabh Anand, Dr. Dheeraj Masuppu FlowTech: Personalizing Fluid Therapy Through Non-Invasive Dynamics Assessment Chairpersons: Dr. Ajay Prasad Hrishi P, Dr. Georgine Singh	Dr. Ponniah Vanamoorthy Dr. Sarath Surendran
18:00 Hrs	Inauguration followed by Dinner Chief Guest: Dr. K. Narayanasamy Vice-Chancellor, The Tamil Nadu Dr. M.G.R. Medical University	

Day 1 - HALL B - 30th August 2024

TIME	TOPIC	SPEAKER
09:00 Hrs - 11:00 Hrs	Neuro Superstar Research Studies Judges: Dr. Umamaheswara Rao, Dr. Kiran Jangra Risk factors and incidence of accidental unplanned extubations in pediatric patients admitted to Neuro Intensive Care Unit – A retrospective audit Incidence of micronutrient deficiency in critically ill pediatric Traumatic brain injury: Prospective, observational, cohort study Comparison of analgesic efficacy of intrathecal levobupivacaine with and without oral tizanidine in lower limb surgeries Comparative analysis of apache iv, saps 3 and sofa Scoring systems for mortality prediction in asa v Neurosurgical patients Risk Factors and Prevalence of Infection with Drug-Resistant Microorganisms and Their Impact on Outcomes in Patients Admitted to the Neuro Intensive Care Unit at a Tertiary Care Hospital: A Single-Center Retrospective Audit Incidence, Risk Factors and Outcomes of Extubation Failure in Neurocritical Care Patients: A Prospective Observational Study Comparison of cerebral vasodilatory effects of sevoflurane, isoflurane and desflurane in patients undergoing surgery for supratentorial lesions under general anaesthesia Assessment Of Nociception And Analgesia By Pupillometry Derived Indices In Postoperative Neurosurgical Patients Incidence of Acute Lung Injury in Traumatic Brain Injury patients: Lung ultrasound as an additional bedside tool Point-of-care ultrasound to identify frailty and predict outcomes in patients with traumatic brain injury: A prospective observational study	Dr. Thomas Francis Dr. Priyanka Sahu Dr. R.C. Mangalraj Dr. Garima Chamania Dr. Stuti Bhamri Dr. Rakulprasath S Dr. Mayank Arora Dr. Sreeja R Dr. Ambika Khanna Dr. Nipun Gupta



TIME	TOPIC	SPEAKER
14:00 Hrs - 15:00 Hrs	Trainee Corner Chairpersons: Dr. Devendra Gupta, Dr. Kirandeep Kaur, Dr. Amruta N ICU handoffs Initial workup of the patient admitted to neuro ICU Divalent dyselectrolytemia Ketamine in Neurocritical care Status epilepticus- Time is brain Cortical spreading depolarisation	Dr. Kshama Rao Dr. Joslita Rebello Dr. Nivedita Dr. Madhuri Garg Dr. Sharon Kavya Chandana Dr. Rajasekar R
17:00 Hrs - 18:00 Hrs	Who is the Thalaivaa? Quiz Masters: Dr. Pramod Kalgudi, Dr. Seham Syeda, Dr. Soumya M, Dr. Bharath S	

Day 1 - HALL C - 30th August 2024

TIME	TOPIC	SPEAKER
09:00 Hrs - 11:00 Hrs	Case Chronicles Judges: Dr. H H Dash, Dr. Devendra Gupta Case Report/Series Airways Management in impalement Head Injury in Prone Position: A Case Report Anaesthetic management of a patient with Dilated Cardiomyopathy undergoing Cerebral Aneurysm Clipping surgery Double edged sword: AAD with Down's syndrome for cervical spine instrumentation Anaesthetic management of platybasia along with Arnold chiari malformation type 1 and atlanto occipital assimilation with cranial nerve deficits Cangrelor – a potential bridge for percutaneous Coronary Intervention In Acute Coronary Syndrome With Concomittant Intracranial Haemorrhage Rare carotid and vertebral anomalies presenting as stroke - cause or association? Case reports Milrinone in the management of refractory neurogenic pulmonary oedema in a patient with brainstem infarction The combination of two regional analgesia techniques provides excellent perioperative analgesia following major lumbar spine surgery – A case report A rare case of Phenytoin-induced methemoglobinemia in a Patient with Traumatic Brain Injury Role of platelet mapping in preventing recurrent stroke Temozolamide therapy for brainstem gliomas – A double edged sword	Dr. Sanjay Kumar Dr. Dinesh Kumar Ar Dr. Sourav Burman Dr. Anil Babu Dr. Yagna Munesh Dr. Sravanthi Vakada Dr. Kshama Rao Dr. Nandi Vinayaka B Dr. Selvendiran P Dr. Gayathri .C Dr. Vanchula Srinivasan



TIME	TOPIC	SPEAKER
	<p>Dialysis Disequilibrium Syndrome in Neurocritical care Intermittent generalized tonic clonic seizures secondary to administration of intra thecal contrast Recurrent dislodgement of tracheostomy tube in a post-operative pediatric patient with 4th ventricular ependymoma A last resort for extreme hyperthermia in patients with brain injury - a case report Management of Acute Small Vessel Ischemic Stroke with Tirofiban in the Neurocritical Care Unit: Outcomes and Considerations</p>	<p>Dr. Binesh Badyal Dr. Ravitej Bhat Dr. Priyasmita Sarkar Dr. Janani S R Dr. Mohsina Basheer</p>
17:00 Hrs - 18:00 Hrs	<p>Neuro Visuals Judges: Dr. Ramamani M, Dr. Sudhir V Where is the Mid line? The Dilemma! A rare case of Eagle syndrome presenting with recurrent strokes in a young patient Anaesthetic EEG signatures in an epileptic patient A Saga of Decompressive Hemicraniectomy: How much is too much ?? The final propositions Management of Pulmonary Cement Embolism in Neurocritical care Now you see me - Wallenberg's syndrome is increased onsd a reflection of raised icp?? Not always!! When life closes all doors, God opens a window A Tale of Turns and Coils</p>	<p>Dr. Surya Kumar Dube Dr. Vikas Kalra Dr. Suparna Bharadwaj Dr. Nathasha Olga Vas Dr. Soumya Madhusadhan Dr. Binesh Badyal Dr. Melvin K Ninan Dr. Madhuri Garg Dr. G. Rekha Dr. Vanchula Srinivasan</p>



Day 2 - HALL A - 31st August 2024

TIME	TOPIC	SPEAKER
Session 1	Controversies to Conclusions Chairpersons: Dr. Rajesh Kumar, Dr. Anil Babu P, Dr. Poornima V Early Drain: Lumar CSF drain in SAH Airway in Cervical Spine: Is FOB guided intubation the past? Managing Hemorrhage with Cerebral Venous Thrombosis Corticosteroids in Traumatic SCI: Here to stay? Or its out?	Dr. Sapna suresh Dr. Rajashekar Mudaraddi Dr. Amit Goyal Dr. Ravitej Bhat
Session 2 09:00 Hrs - 09:15 Hrs 09:15 Hrs - 09:30 Hrs 09:30 Hrs - 09:45 Hrs 09:45 Hrs - 10:00 Hrs	Situationships Chairpersons: Dr. Suparna Bharadwaj, Dr. Rupesh Yadav Dr. Mohanarangan HFNO in NCC When going gets tough: The refractory vasoplegic shock Ketamine in Refractory Status Epilepticus: First or Last? It's the Fire not the ICE: Cooling devices and Fever prevention in Neurocritical Care	Dr. Harshal Dholke Dr. Ritu Malik Dr. Manish Marda Dr. Kommula Lakshman Kumar
Session 3 10:00 Hrs -10:10 Hrs 10:10 Hrs - 10:20 Hrs 10:20 Hrs - 10:30 Hrs 10:30 Hrs - 10:40 Hrs	TED talks Chairpersons: Dr. Virendra Jain, Dr. Manisha Katikar, Dr. Kalai Practical Approach to Hyponatremia Delirium: Fix it Trenexemic acid: When? Are there any Neuroprotective drugs?	Dr. Seema Lachala Dr. Jerry Jame Joy Dr. Vishwanath B Dr. Shwetal Goraksha
Session 4 10:40 Hrs - 11:00 Hrs 11:00 Hrs - 11:20 Hrs 11:20 Hrs - 11:40 Hrs 11:40 Hrs - 12:00 Hrs	Neurocritical Synergies Plenary session Chairpersons: Dr. Shashi Srivastava, Dr. Joseph Monteiro, Dr. Anil Parekh, Dr. Amna Goswami Precision Medicine in Neurocritical Care Transfusion triggers in Traumatic Brain Injury EEG monitoring in the ICU: is something else beyond assessment of epileptic activity? Brain-Lung connections in Neurocritical care	Dr. Jose Saurez Dr. Wong Yu Lin Dr. Francisco Lobo Dr. Abhay Kumar
Session 5 12:00 Hrs - 12:20 Hrs 12:20 Hrs - 12:40 Hrs 12:40 Hrs - 13:00 Hrs 13:00 Hrs - 13:20 Hrs	NCS Panel Chairpersons: Dr. H.H. Dash, Dr. Umamaheswara rao, Dr. Bhibhukalyani Das Embracing technology to improve outcomes in neurocritical care of hemorrhagic stroke Multimodal Monitoring in TBI Autoregulation in Severe TBI: Basic Principles and management Brain Injury after Cardiac arrest	Dr. Chitra V Dr. Kapil Zirpe Dr. Lori Shutter Dr. Paul Vespa



TIME	TOPIC	SPEAKER
13:20 Hrs - 14:00 Hrs	Lunch The Saviours: Choosing Empheric Antibiotics in NCC - Case based learning discussions Expert faculty: Dr. Subramaniam Swaminathan, Dr. Sudha Teresa Moderator: Dr. Sapthami Gowda, Dr. Karthik LakshmiKantha	
Session 6 14:00 Hrs - 14:10 Hrs 14:10 Hrs - 14:20 Hrs 14:20 Hrs - 14:30 Hrs 14:30 Hrs - 14:40 Hrs 14:40 Hrs - 14:50 Hrs 14:50 Hrs - 15:00 Hrs	TED talks Chairpersons: Dr. Ravindra Singh Sisodia, Dr. Senthil Dr. A.S. Arunkumar Milrinone in Vasospasm. A Wonder drug? Technology: Extracorporeal CO2 removal in Brain injury with ARDS, Allievates the effect of permissive hypercapnoea? Beyond Medications: Proactive measures against DVT The storm and the confounders: PSH vs the sepsis paradigmn Teir 3 medical management for ICP: Current trends, utility and futility Closed loop ventilation	Dr. Seema J M Dr. Shyamala Narayanan Dr. Smitha Musti Dr. Pallavi Pandey Dr. Archana Raichukar Dr. Ashoo Wadehra
Session 7 15:00 Hrs - 15:15 Hrs 15:15 Hrs - 15:30 Hrs 15.30 Hrs - 15.45 Hrs 15:45 Hrs - 16:00 Hrs	Navigating Neuro Nuances Chairpersons: Dr. Ashish Bindra, Dr Sabhanayagam, Dr. Rajashree Deopujari Trials in SAH: Where are we heading? ARDS: A different ballgame in Neurocritical Care? Glycemic control in acute brain injury: are we there? Nutrition: Challenges in NCC	Dr. Sriganesh K Dr. Sarika Juneja Dr. Kavv Devi Dr. Sanjeeth Sasidharan
Session 8 16:00 Hrs - 16:15 Hrs 16:15 Hrs - 16:30 Hrs	Brain Battles Contrast Induced Nephropathy: Is a Myth Moderator: Dr. Shyam Meena Pro - Dr. Kaushic A Theerth Con - Dr. Kanchan Bilgi Prophylactic Antibiotic helps to prevent VAP in Ventilated patients with TBI Moderator: Dr. Mathangi Krishnakumar Pro - Dr. Anagh Chakravorty Con - Dr. Nitasha Mishra	
Session 9 16:30 Hrs - 17:00 Hrs	Panel Discussion: Expert Exchange Moderator: Dr. Keshav Goyal Panelists: Dr. Madhuri Kurdi, Dr. Gyaninder Pal, Dr. Arvind Arya Dr. Bhibhukalyani Das, Dr. Devachandran J What do I do? Ethical and legal aspects of Practice in Neurocritical care when dealing with futility and end of life care	



TIME	TOPIC	SPEAKER
Session 10 17:00 Hrs - 17:10 Hrs 17:10 Hrs - 17:20 Hrs 17:20 Hrs - 17:30 Hrs 17:30 Hrs - 17:40 Hrs 17:40 Hrs - 17:50 Hrs 17:50 Hrs - 18:00 Hrs	How I Do it (VIDEO SESSION) Chairpersons: Dr. Devendra Gupta, Dr. Vikas Kalra, Dr. Kishore Senathi HITS TEE Carotid Doppler TCCD Cardiac Output ONSD : Are we doing it right ?	Dr. Sindhu Priya Muthukalai Dr. Tania Singh Dr. Prachi Sharma Dr. Kunal Kumar Sharma Dr. Francis Joseph Dr. Subhajt Guha
19:00 Hrs onwards	Banquet and Gala Dinner	

Day 2 - HALL B - 31st August 2024

TIME	TOPIC	SPEAKER
09:00 Hsr - 11:00 Hrs	Neuro Superstar Judges: Dr. Umamaheswara Rao, Dr. Kiran Jangra Research Studies To evaluate the correlation between non-invasive (NIRS and ONSD) and invasive ICP measurements in adults with Traumatic Brain Injury- A Prospective observational study Effect of Sugammadex versus Neostigmine reversal on lung aeration score after operative fixation of cervical spine: a prospective, double blinded, randomized control trial A Pilot Study on Correlation between Pulsatility Index and Opening Pressure in Idiopathic Intracranial Hypertension Patients Role of automated pupillometry and transcranial doppler in prediction of delayed cerebral ischaemia in patients with aneurysmal subarachnoid haemorrhage – A prospective observational study Use of Procalcitonin (PCT) to differentiate the infectious and non-infectious sepsis in Neurocritical Care A prospective randomised, double-blinded study on the cerebral haemodynamic effects of ketamine versus propofol sedation in patients with severe traumatic brain injury admitted in trauma intensive care Cardiac index as a predictor of delayed cerebral ischemia in patients with aneurysmal subarachnoid hemorrhage: a prospective cohort study Incidence, Risk factors for Neuro-Intensive Care unit readmission, and its impact on the hospital discharge outcome during the period of single hospital admission - a retrospective audit	Dr. M.S. Mohamed Salih Dr. Sumit Roy Chowdhury Dr. Archana Gautam Dr. Amardeep Singh Dr. Karthik Dr. Revathi Nair Dr. Junaid K Dr. Deeparaj L



TIME	TOPIC	SPEAKER
	<p>Effect of dexmedetomidine as adjuvant to bupivacaine in ultrasound-guided erector spinae plane block following thoracolumbar spine surgery on postoperative analgesia and recovery - a prospective double blinded randomized controlled study.</p> <p>Prognostic value of bedside lung ultrasound score in mechanically ventilated patients with acute brain injury – A prospective observational study</p> <p>Effect of Fluid Therapy on Extra Vascular Lung Water After Lateral Position Craniotomy. A Prospective Randomized Study Comparing Goal Directed Vs Conventional Fluid Therapy</p>	<p>Dr. Aravind Ayyappan</p> <p>Dr. Lavanya N Mandhal</p> <p>Dr. Surya Kumar Dube</p>
12:00 Hrs - 13:00 Hrs	<p>Trainee corner Chairpersons: Dr. Bhagyashree V, Dr. Priyanka Khurana, Dr. Ranganath Praveen</p> <p>Therapeutic time windows in Acute Ischemic stroke - Action plan Cerebral hyperperfusion and NPPB Managing Pediatric TBI in the ICU Post neurosurgical Meningitis Feed intolerance - Management Sedation practices in ICU with inhalational agents</p>	<p>Dr. Nipun Gupta Dr. Rakulprasanth Dr. Sreeja R Dr. Aravinth S Dr. Melvin Dr. Thomas Francis</p>
14:00 Hrs - 15:00 Hrs	<p>Who is the Thalaivaa? Quiz Masters: Dr. Pramod Kalgudi, Dr. Seham Syeda, Dr. Soumya M, Dr. Bharath S</p>	
17:00 Hrs - 17:20 Hrs	<p>Operation Green: Innovations in Sustainable Neuroanaesthesia Chairpersons: Dr. Gyaninder Pal, Dr. Manikandan, Dr. Ramesh VJ, Dr. Kavitha Sandhu</p>	
17:00 Hrs - 17:10 Hrs 17:10 Hrs - 17:20 Hrs	<p>The Carbon Footprint of Inhalational Anaesthetics Greening the Operating Room</p>	<p>Dr. Varnitha MS Dr. Amruta N</p>
18:00 Hrs- 19:00 Hrs	Annual General body meeting	

Day 2 - HALL C - 31st August 2024

TIME	TOPIC	SPEAKER
09:00 Hrs - 11:00 Hrs	<p>Case Chronicles Judges: Dr. H.H. Dash, Dr. Devendra Gupta Case Report/Series</p> <p>Anaesthetic management of a child with congenital insensitivity to perceive pain (CIP) coming for excision of a supraorbital bony swelling.</p> <p>Not all burst suppression patterns indicate a deep anaesthetic state under general anaesthesia.</p>	<p>Dr. Sharon kavya chandana</p> <p>Dr. James Thapa Magar</p>



TIME	TOPIC	SPEAKER
	<p>Anaesthesia for Emergency Neurosurgical procedure in a patient with Brugada Syndrome: A case report</p> <p>Managing a case of large intracranial meningioma with systemic sclerosis: Challenges for Neuroanaesthetists and Intensivists</p> <p>Neurologic dysfunction in Acute Liver Failure; Beyond Encephalopathy: An unexpected cause</p> <p>Extrapontine myelinolysis, an uncommon complication of rapid correction of hyponatremia - A case report</p> <p>Intraoperative neuromonitoring in a cerebellopontine angle tumour excision in a pregnant patient: A case report</p> <p>TCD-Stethoscope of brain</p> <p>Post-operative DKA following Spinal dural AV fistula repair: Challenges faced in the Context of Cardiac and Renal Dysfunction</p> <p>Impact of Preoperative Conditions on Neurological Recovery Following Decompressive Craniectomy in Rheumatic Heart Disease Patients with Stroke- A Retrospective Analysis.</p> <p>Case Series: Hypocalcemia in Critically Ill Patients in Neuro Intensive Care Unit</p> <p>Buzzworthy case: when a bee sting masquerades as an ischemic stroke</p> <p>Weaning challenges in aneurysmal subarachnoid Haemorrhage with coexisting anomalous aortic arch</p> <p>high frequency monitor data acquisition and extraction – an open source methodology</p> <p>When hoofbeats herald a zebra, not horses</p> <p>Heart vs Brain</p>	<p>Dr. Sreekumar M R</p> <p>Dr. Nupur Khewle</p> <p>Dr. Aditya Arun Gupta</p> <p>Dr. Sampath</p> <p>Dr. Akansha Viswanathan</p> <p>Dr. G. Rekha</p> <p>Dr. Naveen Vivek S</p> <p>Dr. Rahul Belgaonkar</p> <p>Dr. Richa Parihar</p> <p>Dr. Usha K.L</p> <p>Dr. Ivy George</p> <p>Dr. Protiti Chatterjee</p> <p>Dr. Vikas Kalra</p> <p>Dr. Bharath Thamodharan</p>
<p>17:00 Hrs - 18:00 Hrs</p>	<p>Neuro Visuals</p> <p>Judges: Dr. Ramamani M, Dr. Sudhir V</p> <p>Interesting Images</p> <p>sausage on string - puerperal angiitis</p> <p>Cavernous hemangioma of cavernous sinus - a danger in disguise</p> <p>Cerebral air embolism after central venous catheter removal</p> <p>post traumatic sutural diastasis in adult with traumatic brain injury.</p> <p>Sonographic Imaging of Cerebral AVM through the Craniectomy Site</p> <p>Visualisation of External Ventricular Drain Catheter Through Intact Skull Using Transcranial Colour-Coded Duplex Sonography</p> <p>Growth behind the Epiglottis</p> <p>Disparate Neurological Sequelae of Sickle Cell Disease</p> <p>An Eternal Airway Ordeal that Defies Experience</p> <p>AN UNUSUAL Brain Drain</p>	<p>Dr. Yagna Munesh</p> <p>Dr. Sravanthi Vakada</p> <p>Dr. Binesh Badyal</p> <p>Dr. Anil Babu Peruru</p> <p>Dr. Rajasekar R</p> <p>Dr. Gudela Mohan Sai</p> <p>Dr. Aditya Arun Gupta</p> <p>Dr. Amardeep Singh</p> <p>Dr. Sampath</p> <p>Dr. Nupur Khewle</p>



Day 3 - HALL A - 1st September 2024

TIME	TOPIC	SPEAKER
Session 1 08:00 Hrs - 08:15 Hrs 08:15 Hrs - 08:30 Hrs 08:30 Hrs - 08:45 Hrs 08:45 Hrs - 09:00 Hrs	Neuro Necessities: Flow, Flush, and Flip Chairpersons: Dr Rajnish Kumar, Dr. Kunal Singh, Dr Geetha L Assessing Fluid Responsiveness Diuretic in critically ill Brain and the GUT Urgent reversal of anticoagulation in NCC	Dr. Bhagyasree V Dr. Harish Mallapura Maheshwarappa Dr. Narender Kalaria Dr. Navneh Samagh
Session 2 09:00 Hrs - 09:15 Hrs 09:15 Hrs - 09:30 Hrs 09:30 Hrs - 09:45 Hrs 09:45 Hrs - 10:00 Hrs	Tech in Neurocare Chairpersons: Dr. Thamarai Selvi K, Dr. Sandeep Kumar, Dr. Hemalata Value of Evoked Potentials in Neurocritical care Pediatric Neurocritical Care Impact of sedative choice on brain and lung injury outcomes AI in Neurocritical care: How far we are?	Dr. Dheeraj Masapu Dr. Shiv Soni Dr. Sweetha S Mohan Dr. Prakash C B
Session 3 10:00 Hrs - 10:15 Hrs 10:15 Hrs - 10:30 Hrs 10:30 Hrs - 10:45 Hrs 10:45 Hrs - 11:00 Hrs	Neuro Complexities Chairpersons: Dr. Sreenivasan G, Dr. Muthukumaran R Diagnosis of sepsis in NCC: Where we are heading? Dermatological issues: From benign to lethal NCSE: EEG patterns that mandate escalation to burst suppression DCI: Beyond Vasospasm	Dr. Ajay Prasad Hrishi P Dr. Mathews George Dr. Jithumol Thomas Dr. Kaviitha Sandhu
Session 4 11:00 Hrs - 11:15 Hrs 11:15 Hrs - 11:30 Hrs 11:30 Hrs - 11:45 Hrs 11:45 Hrs - 12:00 Hrs	Neuro Tactics Chairpersons: Dr Amlendu Yadav, Dr Rajeev Kumar Dubey Prx and CPPopt: Is it practical? Prolonged autonomic instability C diff: Strategies to mitigate and Manage Outreach Neurocritical care	Dr. Shalini Nair Dr. Sneha Singh Dr. Vidhya Sriram Dr. Arul Velan
Session 5 12:00 Hrs - 12:10 Hrs 12:10 Hrs - 12:20 Hrs 12:20 Hrs - 12:30 Hrs 12:30 Hrs - 12:40 Hrs 12:40 Hrs - 12:50 Hrs 12:50 Hrs - 13:00 Hrs	TED talks Chairpersons: Dr. Sathya A C, Dr. Shashikant, Dr. Reymond Dominic Savio Tele ICU: will it work for NCC? Myths in Neuro ICU Hyperosmolar therapy: Trigger, Target and Termination Base Excess: Reloaded Early mobilisation: Benefits and pitfalls PRES	Dr. Manju Manmadhan Dr. Swathi M Dr. Karren Jacob Dr. Ashwini Reddy Dr. Anto Paul Dr. Jeeva George
13:00 Hrs- 13:30 Hrs	Valedictory	
13:30 Hrs - 14:30 Hrs	Lunch	

REGISTRATION DETAILS

Category	Early bird (Till 31 st Jan 2024)	Regular (1 st Feb - 30 th June 2024)	Latest (1 st July - 15 th August 2024)	Spot
NCSI / ISNACC MEMBER	INR 8,360	INR 10,560	INR 12,760	INR 14,960
NON MEMBER	INR 9,460	INR 11,660	INR 13,860	INR 16,060
RESIDENTS AND FELLOWS (MD, DM, PDCC, PDF) CONFERENCE ONLY	INR 6,380	INR 8,580	INR 10,780	INR 12,980
RESIDENTS AND FELLOWS (MD, DM, PDCC, PDF) WORKSHOP + CONFERENCE	INR 8,800	INR 10,780	INR 13,200	INR 15,400
WORKSHOP FEES - DELEGATES	INR 3,850	INR 4,950	INR 4,950	INR 4,950
ACCOMPANYING PERSON	INR 8,360	INR 10,560	INR 12,760	INR 14,960

Inclusive of 18% GST

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NCSI 2024

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Sl. No.	Particulars	3 Nights / 4 days
1	SINGLE ROOM	INR 42,000 + taxes
2	DOUBLE ROOM	INR 45,000 + taxes
3	TWIN SHARING PER PERSON	INR 21,000 + taxes


Cancellation Policy: All cancellation requests should be made to Conference Secretariat in writing to our email address: info@marundeshwara.com

The deduction of charges would be as follows: Upto 31st May 2024 refund of 50% of fees. After 31st May 2024 no refund. All refunds of registration will be done as per the rules within 15 days of the close of the conference.

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