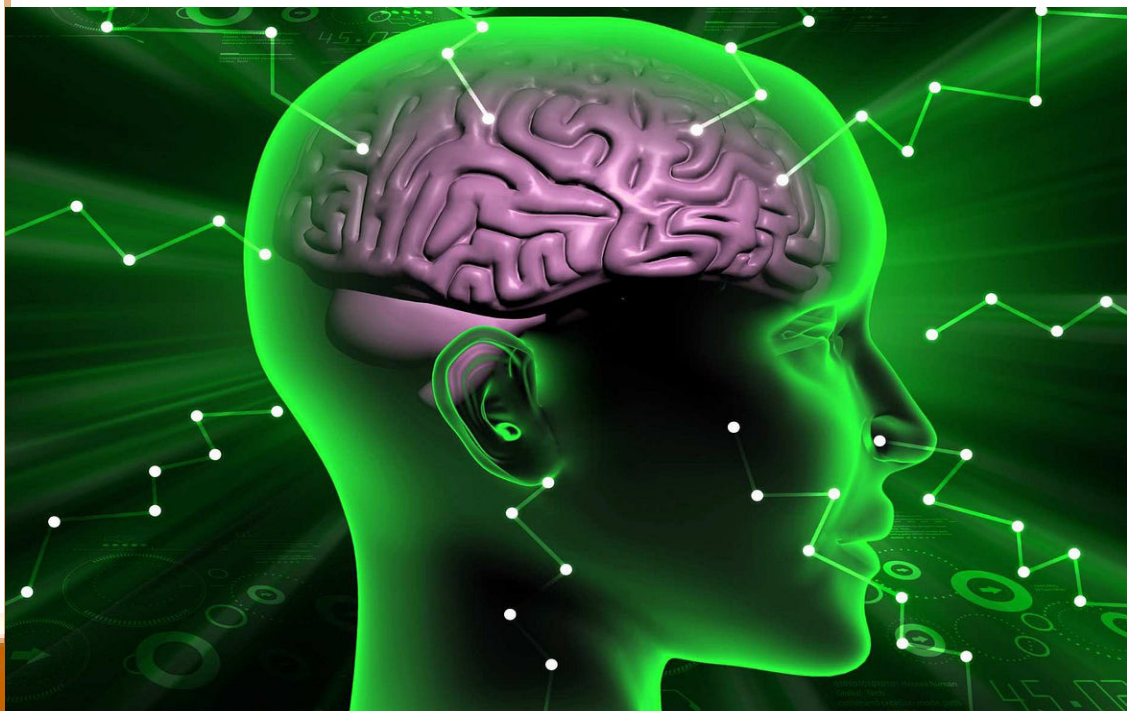


THE e-NEWS LETTER

ISNACC
e-News
Dec-2024



The Official Newsletter of the
Indian Society of
Neuroanaesthesiology
and Critical Care



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ISNACC e-News

Dec-2024

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Messages

President

Dear ISNACC Members,

It is with great pride that I am addressing all of you as the President of the Society for the considerable progress made in the last year. As we approach the end of another remarkable year, I want to take a moment to reflect on the journey we've shared and express my deepest gratitude for your continued support and dedication to our society. This year has been one of growth, connection, and resilience, and I am incredibly proud of what we have accomplished together. There is remarkable progress in the practice of neuroanesthesia and neurocritical care across the country largely possible from engaging programs organized by the society.

We've hosted engaging events, fostered meaningful discussions, and created a vibrant space where ideas and friendships thrive. Each of you has contributed to making our community stronger, and I couldn't be more thankful for the energy, passion, and enthusiasm you bring to every initiative.

Looking ahead, we have exciting plans in store. Our focus remains on building even deeper connections, supporting one another, and creating opportunities for personal and professional growth. We are committed to evolving with the changing times while staying true to the values that unite us.

Our focus must now be on fostering interdisciplinary collaboration, promoting high-quality research, and nurturing the next generation of neuroanesthesiologists and critical care specialists with patient safety in mind. The path we take as we strive for excellence in clinical practice will surely reflect in improved results in the coming years.

New challenges will demand continuous learning, application and adaptation, and I am confident that all of us will collectively rise to the occasion to meet these demands with fortitude, compassion and innovation.

I encourage all of you to stay involved, share your ideas, and continue to be an active part of our community. Together, there is no limit to what we can achieve.

Thank you once again for your commitment to our society. Wishing you all a joyful and prosperous new year ahead.

Long Live ISNACC!



V. Bhadri Narayan, MD
NIMHANS, Bangalore

Messages

Secretary



Girija Prasad Rath, MD, DM, FAMS
Secretary



Gyaninder P Singh, MD, DM
Treasurer

Dear Esteemed Members,

Warm greetings to all of you from the Indian Society of Neuroanaesthesiology and Critical Care (ISNAACC). It is an honor and privilege to address you through this platform as we continue our journey together in advancing the field of neuroanesthesia and critical care.

Over the past year, ISNAACC has achieved several milestones thanks to the unwavering dedication and active participation of our members. Our conferences, webinars, and academic initiatives have served as excellent opportunities for knowledge sharing, fostering collaborations, and discussing emerging trends and innovations in our specialty. Your enthusiasm and contributions have been the driving force behind the success of these events.

As we look to the future, the Society is committed to expanding its reach and impact. Our focus remains on enhancing educational opportunities, promoting high-quality research, and creating a robust network for sharing best practices. We urge all members to engage actively with the Society's initiatives, whether it is through contributing to our publications, participating in our events, or mentoring young professionals entering the field. Together, we can continue to strengthen ISNAACC's standing as a premier platform for neuroanesthesia and critical care expertise.

We would also like to take this opportunity to express my gratitude to the Governing Council, the editorial team, and all our members for their tireless efforts in upholding the Society's vision. Let us continue to work together to elevate the standards of care for the benefit of our patients.

Let us come together at the meeting during the ISNAACC 2025 conference, to be held in Trivandrum under the esteemed leadership of Dr. S Manikandan and Dr. Ajay P Hirishi, and work together to make it a great success.

With best regards

Messages

Editor

Respected ISNACC members,

It gives me immense pleasure to welcome you to the latest edition of the ISNACC Newsletter, the official voice of the Indian Society of Neuroanesthesiology and Critical Care. As we close another year of significant achievements and innovations, this platform continues to reflect our collective progress and the vibrant community that defines our society.

This edition highlights not just the advancements in neuroanesthesia and critical care but also the unwavering commitment of our members to elevate clinical practices, research, and education in our field. The newsletter features the achievements of the proud members of the society who shine not only in India but at international forums.

We have witnessed the strong commitment of the education committee to conducting educational activities on a virtual platform for enriching the knowledge in neurosciences. These discussions have fostered collaborative research and nurtured the next generation of neuro anaesthesiologists.

As you navigate through this newsletter, we encourage you to reflect on how each article and update informs your practice, sparks innovation, or inspires you to contribute further to this dynamic speciality. Let this be a reminder of the strength and vision we share as a community united in advancing neuroanesthesia and critical care for better patient outcomes.

On behalf of the editorial team, I extend my gratitude to all contributors and members for their continued support and dedication. I also welcome your feedback and suggestions to ensure this newsletter remains a meaningful resource for everyone in ISNACC.

Long Live ISNACC!



**Kiran Jangra DM, A-FAMS
PGIMER, CHANDIGARH**

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2. SOCIETY CORNER

I. Report of Educational activities

A. Reports of ISNACC e-education committee

a. e-Webinars



Ankur Khandelwal, DM, A-FAMS
AIIMS, Guwahati

Webinars have always been the integral component of ISNACC e-Education. On September 6, 2024, the webinar with the theme 'Beyond the primary organ' included explicit talks on two important topics: 'Systemic manifestations of TBI', presented by Dr. Sudeshna Padhi, and 'Systemic manifestations of TSCI', presented by Dr. Shahid Ahmad Mir. The webinar generated a lot of discussions and important take-home messages. Dr. Srilata Moningi and Dr. G. Sekar, distinguished senior faculty members, moderated the webinar. The next webinar was held on October 11, 2024, with the theme 'Acute Stroke in Neurocritical Care.' This webinar also featured two important topics: 'Intensive care management of acute stroke'

presented by Dr. Revikrishnan S, and 'Post-stroke care and rehabilitation' presented by Dr. Kanchan V Bilgi. This webinar was expertly moderated by Dr. Surya Dube and Dr. B. Madhusudhana Rao. The next and the latest webinar with the theme 'Mechanical ventilation in neurocritical care' was held on November 29, 2024. This webinar featured two excellent talks 'Ventilatory principles in the neurocritical care' and 'Weaning and extubation challenges' delivered by two young and dynamic speakers, Dr. Ashutosh Kumar and Dr. Neha Sharma, respectively and moderated by two senior faculty members, Dr. Sharmili Sinha and Dr. Varun Jain. All three webinars witnessed excellent participation from the delegates.

b. Journal Club Report, April, July, and December 2024

The ISNACC e-Education initiative continued to provide a platform for rich academic discussions in 2024, organizing three insightful Journal Club sessions in April, July, and December. These sessions brought together experts and learners in the field of Neuroanaesthesiology and Critical Care to discuss key publications and advancements in the domain.

April 2024 Session

Date: Friday, 5th April 2024

Time: 6:30 - 7:30 PM

The session featured presentations and discussions on two impactful studies.

Sharper Insights: Deformability Index and Optic Nerve Sheath Diameter

Presented by: Dr. Sumit Roy Chowdhury, Senior Resident,

AIIMS, New Delhi

Moderated by: Dr. Rudrashish Halder, Additional Professor, Department of Anaesthesia and Intensive Care, SGPGIMS, Lucknow

Key Discussion Points:

- The study, authored by Netteland DF et al., explored the non-invasive assessment of intracranial pressure using deformability index as an adjunct to optic nerve sheath diameter measurements.
- Participants debated the clinical implications of using these parameters to enhance diagnostic accuracy.
- The discussion underscored the growing interest in non-invasive monitoring techniques in neurocritical care.

Empowering Recovery: ERAS and Multimodal Analgesia



Ashish Bindra, MD, DM
AIIMS, New Delhi

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Presented by: Dr. Rhea Thotungal, DM Resident, AIIMS, New Delhi

Moderated by: Dr. Ashutosh Kaushal, Associate Professor, Department of Anaesthesia and Intensive Care, AIIMS Bhopal

Key Discussion Points:

- The trial by Tavanaei R et al. evaluated the pre-operative use of oral pregabalin and intravenous magnesium sulfate for postoperative pain management in spinal fusion surgeries.
- The discussion illuminated the role of Enhanced Recovery After Surgery (ERAS) protocols and their potential to improve postoperative outcomes.

The session concluded with a discussion on adaptive trial designs, focusing on multi-arm and multistage trials. This segment, led by Dr. Ashish Bindra, Professor, Neuroanesthesiology and Critical Care, AIIMS, New Delhi, provided valuable insights into the design and statistical intricacies of these trials.

July 2024 Session

Date: Friday, 26th July 2024

Time: 6:30 - 7:30 PM

This session was graced by the presence of Prof. Parmod Bithal, Ex-HOD of Neuroanesthesiology and Critical Care at AIIMS and Editor-in-Chief of the Journal of Neuroanesthesiology and Critical Care, who offered expert insights on the discussed articles.

Effect of Comorbidities on the Outcome of Patients with Aneurysmal Subarachnoid Hemorrhage

Presented by: Dr. Shalvi Mahajan, Assistant Professor, PGIMER, Chandigarh

Moderated by: Dr. Apoorva Singh, Ex-Senior Resident, PGIMER, Chandigarh

Key Discussion Points:

- The study by Puri S et al. provided a prospective observational analysis of the role of comorbidities in influencing outcomes in patients with aneurysmal subarachnoid hemorrhage.
- Attendees delved into the challenges of managing such high-risk patients and the potential strategies for improved care.

Ultrasound Assessment of Diaphragm Function in Traumatic Brain Injury

Presented by: Dr. Ashwin Gupta, Senior Resident, AIIMS Raebareli

Moderated by: Dr. Kali Charan Das, Assistant Professor, AIIMS Raebareli

Key Discussion Points:

- The study by Das K et al. highlighted the use of ultrasound as a reliable tool for assessing diaphragm function in traumatic brain injury patients.

- Discussions centered on the practical applications of this technique in critical care and its implications for respiratory management.

December 2024 Session

Date: Friday, 20th December 2024

Time: 6:30 - 7:30 PM

The December session featured presentations on two significant studies.

Diagnostic Performance of GFAP, UCH-L1, and MAP-2 Within 30 and 60 Minutes of Traumatic Brain Injury

Presented by: Dr. Somsubhra Pal, Assistant Professor, Dept. of Anaesthesiology, Institute of Medical Sciences, Banaras Hindu University, Varanasi

Moderated by: Dr. Kirandeep Kaur, Assistant Professor, Anaesthesiology, MMIMSR, Mullana

Key Discussion Points:

- The study by Papa L et al. investigated the diagnostic performance of GFAP, UCH-L1, and MAP-2 as biomarkers for traumatic brain injury.
- Participants discussed the potential of these biomarkers in early diagnosis and their integration into clinical practice.

Jugular Venous Catheterization is Not Associated with Increased Complications in Patients with Aneurysmal Subarachnoid Hemorrhage

Presented by: Dr. Vanashri Pabari, Senior Resident, AIIMS, Nagpur

Moderated by: Priya Thappa, Assistant Professor, Dept. of Anaesthesia and Critical Care, AIIMS, Nagpur

Key Discussion Points:

- The study by Akbik F et al. explored the safety of jugular venous catheterization in patients with aneurysmal subarachnoid hemorrhage.
- Discussions highlighted the importance of evidence-based decision-making in invasive procedures.

Coordinator for All Sessions

Dr. Ashish Bindra, Professor of Neuroanesthesiology and Critical Care, AIIMS, New Delhi, skilfully coordinated all three sessions, fostering engaging discussions and ensuring the seamless flow of events.

Conclusion

These Journal Club sessions provided a robust platform for academic exchange, emphasizing evidence-based practices in Neuroanesthesiology and Critical Care. The discussions encouraged critical thinking, collaborative learning, and the dissemination of knowledge, contributing significantly to the professional growth of participants.

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B. Reports of ISNACC endorsed activities.

a. NCSI 2024

5th Annual Neurocritical Care Society of India (NCSI) Conference 2024: A Landmark Gathering of Neurocritical Care Professionals

The 5th Annual Neurocritical Care Society of India (NCSI) Conference 2024, hosted at the picturesque Sheraton Grand, Mahabalipuram, was a landmark event for the neurocritical care community. Centered around the theme “Emerging Trends, Expanding Scopes, Changing Perspectives,” the conference drew an impressive gathering of over 340 delegates and 180 expert speakers from across the globe.

Pre-conference workshops offered immersive learning experiences in Transcranial Doppler, Neuroradiology, and EEG/Multimodal Monitoring, setting a strong foundation for the main conference discussions. The conference was formally inaugurated by Dr. K. Narayanaswamy (Vice-Chancellor, Dr. MGR Medical University), Dr. V. Sridhar (Director, Institute of Neuroscience, Kauvery Hospital, Chennai), Dr. V. Ponniah (Organizing Secretary), Dr. Prasanna Bidkar (Organizing Chairman), and Dr. Sindhupriya (Joint Secretary), along with the NCSI secretariat, including Dr. Saurabh (Secretary) and Dr. Keshav

(Treasurer). Fellow of Neurocritical Care (FNCC-NCSI) fellowship, which recognizes exemplary contributions in clinical practice, academic excellence, and leadership in the field of neurocritical care was awarded to Dr. V. Ponniah and Dr. Saurabh.

The highlight event was the prestigious Dr. Uma Maheshwara Rao Oration delivered by Dr. Claude Hemphill, who emphasized global efforts to enhance coma care and sparked dialogues on innovative approaches to managing unconscious patients.

The conference featured an impressive roster of both national and international faculty, including experts like Dr. Vijay Kumar Sharma (NUS, Singapore), Dr. Chitra Venkatasubramanian (Stanford University), Dr. Lori Shutter (University of Pittsburgh), Dr. Jesse Claude Hemphill (UCSF), Dr. Jose Ignacio Suarez (Johns Hopkins), Dr. Wong Yu-Lin (Singapore), Dr. Abhay Kumar (UT Health Sciences Center, Houston), Dr. Chetan Venkatasubba Rao (Baylor College of Medicine), Dr. Dinesh Pal (University of Michigan), Dr. Francisco Alberto Almeida Lobo (Cleveland Clinic Abu Dhabi), and Dr. Aoife Helen Mary Quinn (Cambridge University Hospital). Their



Mathangi Krishnakumar, MD, DM,
PDF (Neurocritical Care)

St. John's Medical College Hospital, Bengaluru participation added depth to the scientific sessions, facilitating knowledge exchange on cutting-edge topics such as stroke management, brain injury, fluid therapy, and neuromonitoring.

Interactive sessions like the engaging quiz, “Who is the Thalaivaa?”, added a fun twist. The award presentations witnessed remarkable enthusiasm and active participation across all categories. The Neurovisuals segment showcased 20 captivating images, the Neurosuperstar Research Paper Presentations featured 21 studies, and the Case Chronicles highlighted 32 intriguing case presentations, all of which captivated the audience’s attention and fostered lively discussions.

With a focus on innovation, collaboration, and nurturing young talent, the conference set the stage for the future of neurocritical care in India and globally, fostering excellence through education, research, and clinical practice improvements.

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Neuro Superstar
#CONGRATULATIONS

2nd
Dr. M.S. Mohamed Salih
Second Prize

1st
Dr. Garima Chamania
First Prize

3rd
Dr Sumit Roy Chowdhury
Third Prize

Special Mention Award
Dr. Mayank Arora

CASE CHRONICLES
#CONGRATULATIONS

2nd
Dr Aditya Anun Gupta

1st
Dr Yogna Munesh

3rd
Dr Vanchula Srinivasan

SPECIAL MENTION AWARDS
Dr Shanon Kavya Chandana
Dr Usha K L
Dr Prayati Chatterjee



Neuro Visuals
#CONGRATULATIONS

2nd
Dr Nataraj Khanna

1st
Dr Gubera Mohan Sai

3rd
Dr Rajasekar R

Special Mention Awards
Dr Suparna Bhattacharya
Dr Binash Baidya



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Girija Prasad Rath, AIIMS, New Delhi, as Organizing Chair of SNACC 2024

b. SNACC-2024

The 52nd Annual Meeting of the Society for Neuroscience in Anesthesiology and Critical Care (SNACC) was a remarkable gathering of leading minds in neuroanesthesia, neurocritical care, and related fields. Held in Miles City, Denver, Colorado, from September 12–14, this three-day event brought together clinicians, researchers, and educators for enriching sessions highlighting innovation, collaboration, and education. The conference achieved great success, hosting 234 participants from 18 countries worldwide, including 62 students, residents, and fellows.

The conference covered a wide array of topics, including emerging therapeutic strategies, advancements in neurocritical care, and the ever-evolving roles of neuroanesthesiologists.

A Captivating Beginning: Day 1

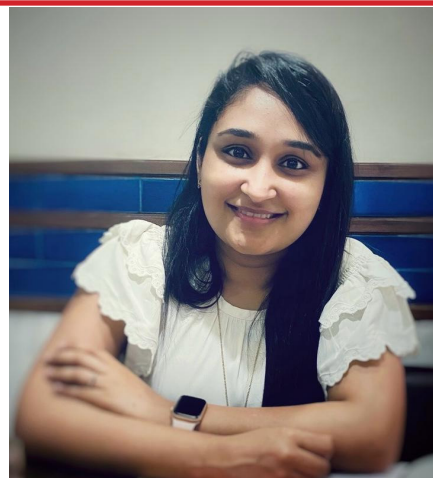
The opening day set a high standard for the meeting, blending rigorous academic activities with meaningful opportunities for professional development.

The ICPNT Master Class served as a cornerstone for the day, providing an immersive experience to refine essential skills in neuroanesthesia. Drs Chanhung Lee, Valpuri Luoma, Shobana Rajan, and Deepak Sharma kicked off the session with a compelling introduction, emphasizing precision and excellence in clinical practice.

The conference featured diverse sessions designed to enhance clinical and teaching skills.

One of the highlights was **“Train the Trainer Workshop: Providing Effective Feedback”**, facilitated by Drs Jane Easdown, Valpuri Luoma, Mariel Manlapaz, William Rieley, Steven Robicsek, and Deepak Sharma. This interactive session focused on practical strategies for delivering effective feedback, with participants engaging in role-playing and discussions to practice the “Ask-Tell-Ask” framework. These activities provided attendees with valuable tools to guide trainees more effectively.

Another impactful session, **“Neuroanaesthesia**



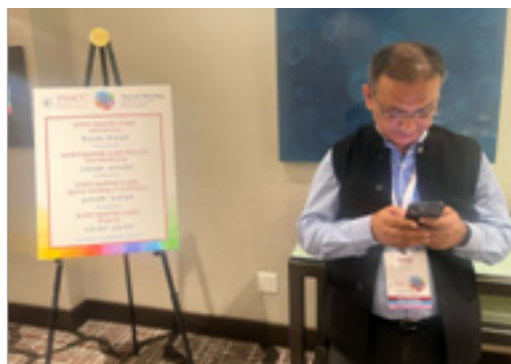
Aparna Depuru, MD, DM

Postdoctoral Research Associate
Duke University Medical Center
Durham, North Carolina, USA

Emergencies Crisis Management Workshop”, was led by Drs Ib Adebegue, Rafi Avitsian, Shilpa Rao, Sonal Sharma, and Jamie Uejima. This session delved into managing critical scenarios such as aneurysm ruptures, perioperative strokes, and venous air embolisms. Through hands-on simulations and in-depth discussions, participants refined their skills in handling these high-stakes emergencies with confidence and precision.

The conference also featured sessions focused on enhancing procedural and monitoring skills in neurosurgery. In the session on **“Regional Anesthesia for Neurosurgery”**, Drs Jason Chui, Michelle Ge, Jinu Kim, Kirsten Kiroff, Chanhung Lee, and Kan Ma guided participants through the techniques of ultrasound-guided scalp and ESP blocks. This hands-on workshop provided attendees with practical experience in mastering these essential regional anaesthesia procedures.

Another engaging session, **“Intraoperative Neuromonitoring”**, was led by Drs Claudia Clavijo, Anthony Oliva, and Scott Vogel. Through case discussions and simulations, participants gained valuable



2. SOCIETY CORNER

insights into real-time neuromonitoring, emphasizing its critical role in ensuring patient safety during neurosurgical procedures.

The afternoon featured an **“EEG Monitoring Workshop”** led by Drs Sujoy Banik, Paul Garcia, Bryan Glezerson, Ben Gruenbaum, Alexander Papangelou, Shobhana Rajan, Kathryn Rosenblatt and Seyed Safavynia. Participants explored EEG interpretation, troubleshooting, and artefact management, gaining hands-on experience with EEG monitors. The session concluded with a lively quiz moderated by Drs Kiran Jangra, Colleen Naglee and Vijay Tarnal, culminating in a celebratory wrap-up.

As the day transitioned to evening, attendees gathered for the **Opening Reception**, where the ambience encouraged networking and reflection. Conversations flowed as participants shared their experiences, forging connections. The day ended on a high note, leaving attendees inspired and eager for the days ahead.

Keynote Excellence: Day 2

The second day began with **Problem-Based Learning Discussions**, which offered participants an interactive and collaborative platform to address com-

plex clinical scenarios. These discussions, led by experienced faculty, are invaluable for promoting critical thinking, enhancing decision-making skills, and encouraging peer-to-peer learning in a structured yet dynamic environment. The topics that were addressed like **“Managing neurologic stimulators during non-neurologic surgery”** by Drs Jacqueline Morano and Jamie Uejima, **“Intraoperative neuromonitoring signal loss troubleshooting”** by Dr Shilpa Rao, **“Challenging Awake craniotomies”** by Drs Vikas Chauhan and Maya Mikami, and **“Traumatic brain injury management”** by Dr Ashish Bindra.

The **President’s Welcome** by Dr John Bebawy set a celebratory tone, emphasizing the importance of collaboration in advancing neuroanesthesia. He outlined the event’s goals, key themes, and highlights. He introduced the distinguished speakers and previewed the upcoming sessions, fostering a sense of collaboration and excitement while providing attendees with a clear overview of the event’s structure.

The Maurice Albin Keynote Lecture is a distinguished event at the SNACC Annual Meeting, honouring Maurice Albin, a founding member and



the second President of SNACC. It showcases leading experts in neuroscience and anesthesiology. This year, the lecture featured Drs Vesna Jevtovic-Todorovic, Girija Rath and Sol Soriano, who delivered an insightful talk on **“The Effects of General Anesthesia on Brain Development,”** expertly integrating scientific research with its clinical implications.

The scientific sessions showcased a diverse range of topics. Discussions on **“Stroke thrombectomy-Pushing the Envelope Together”** by Drs Melinda Davis, Deepak Sharma, and Dileep Raghavendra Yavagal highlighted multidisciplinary strategies and the critical role of anesthesiology in improving outcomes. The session on **“Recent Advances in Management of Acute subarachnoid haemorrhage”** by Drs Hemant Bhagat, Ines Koerner, Ugan Reddy and Dileep Raghavendra Yavagal delved into the latest interventions and critical care protocols. The session on **“Anesthetic Sensitivity: What Can We Learn from Age & Sex Differences”** by Drs Max Kelz, Susana Vacas and Phillip Vlisides was very informative. Additionally, the Neuroscience Symposium on **“Emerging Research on Psychedelics - Neuroscience of Mind-Altering Substances with Mental Health and Substance Use Applications”**, presented by Drs Boris Heifets, Zirul Huang, Jamie Peters and Susana Vacas, explored the potential of psychedelics in mental health and substance use treatment.

The WINNER Session, **“My Travels Through US Neurosurgery and Neuroscience”**, led by Drs Aviva Abosch and Maria Bustillo, celebrated the impactful contributions of women in neuroanesthesia and neuroscience.

The day concluded with dynamic abstract presentations, and the categories of abstracts presented spanned a wide range of topics, including Clinical Science and Clinical Trials with a focus on neuromonitoring, Medically Challenging Cases and Education, Basic Science and Clinical Science with an emphasis on Pain, as well as Clinical and Basic Science contributions to Quality Assessment and Patient Safety. This was followed by a President’s Reception and a lively social fundraiser at West Saloon & Kitchen that blended education with camaraderie and enjoyment.

Charting the Future: Day 3

The final day of the conference featured ongoing abstract sessions that delved into a variety

of categories, including Medically Challenging Cases, Clinical Science, Clinical Trials, Neuromonitoring, and Quality Assessment. These sessions provided valuable insights into both innovative research and practical clinical applications, highlighting advancements across these critical areas in neuroanesthesia.

This was followed by a session on **“Training and Research in Neuroanesthesia and Perioperative Neurosciences”**, led by Drs Alana Flexman, Nicolai Goettel, and W. Andrew Kofke, which focused on the integration of technology into clinical practice. The “Advances in Functional Neurosurgery” were highlighted in a session exploring innovations such as neuromodulation and brain mapping, guided by Drs Ib Adebegbe, Phuping Akavapit and Jason Chui.

“Advances in Pain Management” was another key focus, with Drs Eugenia Ayrian, Sidharth Chavali, Lauren Dunn, and Sriganesh Kamath presenting new approaches to managing acute and chronic pain. **“Pharmacological Advances and Implications for Perioperative Neuroscience”** also took centre stage, as Drs Arnoley Abcejo, Tumul Chowdhury, and Veerle De Sloovere discussed emerging topics such as remimazolam and anticoagulation management.

The **“Best of Science”** segment celebrated outstanding research in the closing sessions, with awards presented to Drs Kirandeep Kaur, Loudrick Lahaie, and Hui-Tao Miao. The day concluded with a lively Pro-Con Debate on **“Should Scalp Blocks Be Routinely Used for Elective Craniotomy?”**, by Drs Elisabeth Abramowicz, Alex Bekker and Jeff Pasternak.

In her closing remarks, **SNACC President** Dr Ines Koerner reflected on the success of the meeting and outlined a promising vision for the future of neuroanesthesia innovation.

The 2024 SNACC Annual Meeting was a resounding success, bringing together a global community of professionals to share knowledge, foster innovation, and inspire future advancements. This year’s event not only highlighted breakthroughs in neuroanesthesia but also reinforced the power of collaboration in improving patient outcomes and shaping the future of the specialty. The community eagerly anticipates next year’s conference in Atlanta, Georgia, as another opportunity to push the boundaries of innovation, share cutting-edge knowledge, and strengthen the bonds within the field.

c. Acute Neuro Care 2024

Acute Neuro Care course workshops held at various places in India in 2024

1. Bhubaneshwar
2. St. Johns Bangalore
3. AIIMS Patna
4. NIMS Hyderabad

This program aimed to address a critical need in scientific education about acute neurological emergencies by combining elements of continuing medical education (CME) with practical, hands-on skill stations.

The program addressed the need for algorithmic approach to various neurological emergencies like stroke, head injury, status epilepticus, meningitis etc, and attracted a diverse group of participants, including experienced professionals like private practitioners seeking CME credits, new trainees like those doing residency in neurology, anesthesia, critical care, neurosurgery etc seeking practical experience.

The format of the program was unique. The first half provided participants with in-depth lectures and

interactive discussions led experts in the field like Dr Saurabh Anand and Dr Keshav Goyal. This portion fulfilled CME credit requirements and ensured a strong foundation in the theoretical aspects of the subject matter.

Following the lectures, the program transitioned to a series of hands-on skill stations. These stations provided a practical and engaging environment for participants to apply the acquired knowledge. The stations were designed to be interactive and facilitated by experienced instructors who offered personalised guidance and feedback.

The program received overwhelmingly positive feedback from participants. They particularly appreciated the clear and engaging lectures, well-designed skill stations with helpful in-



Ranadhir Mitra, MD, DM
Utkal Hospital, Bhubaneshwar

structors, effective combination of theory and practice. This format not only enhanced learning but also fostered a sense of community among participants through shared experiences and discussions.

The success of this program demonstrates the effectiveness of combining CME and hands-on skills training in neurological emergencies thereby reducing reaction time in healthcare providers and met an unfulfilled need in tier 2 cities like Bhubaneshwar. Also, it brought on table practising neuroscience professionals from different institutions (e.g., Dr Nitasha from AIIMS Bhubaneswar, Dr Bhagyarajan from AMRI, Dr Bimal from CARE etc) and from different fields apart from Neuroanesthesia as skill station faculty like Neurologist (Dr Akash, Dr Priyanka), Neurosurgeon (Dr Arun, Dr Bimal) and radiologist (Dr Laxmikant) which was well appreciated by delegates.

We encourage other institutions to consider adopting this model and fostering a more well-rounded scientific educational experience.



The program was conducted for two days under patron ship of Prof Bheerappa Nagari, Director of NIMS, Hyderabad and chairmanship of Prof Padmaja Durga, Professor of Department of Anaesthesiology and Intensive care, NIMS Hyderabad.

Under the guidance of Prof Srilata as an organising secretary and Neuroanaesthesia team which includes Dr Sapna Anaji Nikhar and Dr Abinash along with local neuroanaesthesia faculty – Dr Harshal Dholke, Dr Vishwanath, Dr Laxman Reddy, Dr Siddharth Chavali and Dr Vivek Lanka, the program was organized. We invited Prof Dilip Kulkarni, Dr Ann Campos, Dr Ashima Sharma, Dr Suchanda Bhattacharjee and Dr T Surya Prabha as a advisory team.

We invited national faculty who were trained for the ANC course.

We were glad to have Prof. Gyaninder Pal Singh, who is a very dynamic personality in Neuroanaesthesia. He is professor of department of Neuroanaesthesiology and Critical Care, Neurosciences centre at AIIMS, New Delhi.

Dr Ponniah Vanamoorthy, senior

consultant and head of neurocritical care and Neuroanaesthesiology, Kauvery Institute of Brain and Spine, Kauvery Hospitals, Chennai, added charm to workshop by his versatile knowledge and practical approach.

We also invited Dr Rohini Surve, Additional Professor at NIMHANS Bengaluru and Dr Manish Marda, head and consultant at Department of Neuroanaesthesia and Critical Care, Max Hospital Vaishali, to share their knowledge with us and help in skill based learning.

40 delegates attended the conference cum workshop and the day started with pretest. During the course standard protocol-based approach was imparted through didactic lectures followed by interactive skill stations with hands on training.

During the workshop, the emergency conditions like Acute ischemic stroke, Intracerebral Hemorrhage, Status epilepticus, Subarachnoid hemorrhage, Meningitis and Encephalitis, Airway management in patients with raised intracranial pressure, Traumatic Brain Injury, Traumatic Spine Injury and Spinal Cord compression were



Sapna Anaji Nikhar, MD
NIMS, Hyderabad

discussed and orientation with radiologic basics was also done. The faculties gave various clinical scenarios and assessed the protocol based management from the delegates. It was total practical approach based workshop for various emergency scenarios and definitely helps audience to improve their approach towards patient in neuro emergency.

The delegates gave overwhelming response in the form of feedback form.



d. Master class: PGIMER

2nd Annual Transcranial Doppler Masterclass cum Hands-on Workshop

The Division of Neuroanaesthesiology and Neurocritical Care, Department of Anaesthesia and Intensive Care at Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh, conducted the 2nd Annual Transcranial Doppler Masterclass cum Hands-on Workshop. This landmark event brought together renowned faculty from eminent institutions, including PGIMER, Chandigarh; AIIMS, New Delhi; AIIMS, Nagpur; AIIMS Bhubaneswar; Fortis Hospital, Mohali; and several other prestigious healthcare centres. This event attracted over 50 delegates who gathered to advance their skills and knowledge in transcranial Doppler and Transcranial ultrasound. Prof Sandhya, Head of the Department of Anaesthesia and Intensive Care, PGIMER, graced the event as chief guest, and Prof Y L Narayana, Head of the Department of Anaesthesia, PILBS, Mohali, Punjab, was the Guest of Honour. They highlighted the importance of such gatherings in elevating the standards of neuroanaesthesia and neurocritical patient care and the need for incorporation in everyday practice. They also stressed the importance of sound knowledge regarding basic intracranial physiology and anatomy in order to diagnose and monitor cerebral pathologies. Prof Sandhya thanked the organizers for conducting this masterclass on TCD, an advanced neuromonitoring technique and providing an opportunity to

practice the same in the hands-on workshop.

Prof Nidhi Panda, Head of the Division of Neuroanaesthesiology and Neurocritical Care, Dr Hemant Bhagat, Professor of Neuroanaesthesia and organizing secretary Dr Narender Kalaria spearheaded the program, which began with a CME session focused on the unique challenges and considerations in the use of TCD and TCCD in the intensive care of patients with acute ischemic stroke, subarachnoid haemorrhage, traumatic brain injury and detection of complications leading to secondary brain injury. Advancements in TCD, like transcranial colour-coded duplex ultrasonography (TCCD) and its applications in various fields, were also discussed. Experts provided insights into the latest techniques, indices of vasospasm and raised intracranial pressure. They also highlighted the universal utility of transcranial Doppler in cardiac and obstetric care.

Following the masterclass, attendees participated in a hands-on transcranial Doppler and transcranial ultrasound guided workshop where they practised on volunteers and strengthened their skills of vessel insonation and interpretation, along with a discussion of the myriad clinical applications of TCD and TCCD. Led by distinguished faculty, the workshop facilitated participants to refine their skills in utilizing the TCD and cranial ultrasound for precise, patient-centred care. A panel



Narender Kalaria, MD, DM
PGIMER, Chandigarh

discussion was delivered on the role of TCD in future of neuroscience practice and the potential for further research. The event was a resounding success, enhancing participant's expertise in TCD and fostering collaborative learning. We would like to thank the Indian Society of Neuroanaesthesia and Critical Care (ISNACC) for providing us financial grant and guidance to conduct the masterclass cum hands-on workshop.

The 2nd annual masterclass on TCD marks a significant step forward in ensuring safe and effective Neuro-anaesthesia and Neurocritical care demonstrating the commitment of PGIMER towards advancing medical education and critical care.





Girija Prasad Rath, AIIMS New Delhi, Secretary, ISNACC, representing both ISNACC and NCSI at the Asia Oceania Regional Chapter meeting of the Neurocritical Care Society (NCS) held on 23rd-25th August 2024, Sofitel Hotel, Xi'an, China

II. New members

LM No.	
A	
LMA-43	Anas Wahab Ansari
LMA-44	Ajith Joseph Alex
B	
LMB-83	Rikee Bohra
LMB-84	Srihitha Reddy Boddu
LMB-85	Ajit Bhardwaj
LMB-86	Mohsina Basheer
LMB-87	Rahul Belgaonkar
LMB-88	Uzma Begum
LMB-89	Shraya Banerjee
LMB-90	Karma Ongmu Bhutia
C	
LMC-45	Protiti Chatterjee
LMC-46	Ajai Chandra
LMC-47	Rajat Chauhan
LMC-48	Avijit Chanda
D	
LMD-53	Pankaj Deori
LMD-54	Abhijit Das
LMD-55	Parvathy D
LMD-56	Deepjyoti Das
LMD-57	Gaurav Dwivedi
LMD-58	Debajyoti Dutta
LMD-59	Shailendra Sachin Dethe
E	
LME-2	Jhansi Eda
F	
LMF-02	Shivani Fotedar
G	
LMG-84	Ivy George
LMG-85	Monika Goyal
LMG-86	Archana Gautam

LMG-87	Chetna Goel
LMG-88	Pavan Gupta
LMG-89	Aashish Gaurav
LMG-90	Nipun Gupta
LMG-89	Aashish Gaurav
LMG-90	Nipun Gupta
H	
LMH-14	Daisy Hazarika
J	
LMJ-32	Jasima Javeed
LMJ-33	Vikyath Jain
LMJ-34	Janani S R
K	
LMK-106	Riya Rajnish Kothadia
AMK-107	Altaf Hussain Khan
LMK-108	Anvita Krishnakumar
LMK-109	Chandini K
LMK-110	Nitesh Kumar
LMK-111	Surya Kant
LMK-112	Nupur Khewle
LMK-113	Tushar Kumar
LMK-114	Shubham Khandelwal
LMK-115	Eman Aftab Khan
LMK-116	Mitlesh Kumar
AMK-117	Subhas Kanti Konar
LMK- 118	Anjana Kashyap
L	
LML-23	Labdhi Pravinchandra Lakhani
LML-24	Chandini Sunil Lal
LML-25	Chris Leslie Lemos
M	
LMM-84	Lavanya Nitin Mandhal
LMM-85	Ashish Ramakant Mali
LMM-86	Gouri M

LMM-87	Bishnupriya Mohapatra
LMM-88	Tanushree Mohan
LMM-89	Gogula Vadhani Murugaiyan
LMM-90	James Thapa Magar
LMM-91	Syed Nabeel Muzaffar
LMM-92	Dhairal Prakash Mehta
LMM-93	Divya Mocharla
LMM-94	Sumesh Murali
LMM-95	Vivek Mangal
N	
LMN-33	Sapna Annaji Nikhar
LMN-34	Suraj Krishna Namlewar
LMN-35	Spandana Nannam
LMN-36	Basavakiran Yellappa Namdar
LMN-37	Archana Jitendra Negi
LMN-38	Vijetha N
LMN-39	B Niranjani
P	
LMP-96	Avinash Prakash
LMP-97	Pramita
LMP-98	Andal Priyanka
LMP-99	Priyanka Amarnath Patange
LMP-100	Abinash Patro
LMP-101	Priya
LMP-102	Tiyasa Pain
LMP-103	Ruchi Pathak
LMP-104	Harsha Suresh P
LMP-105	Alpana Parihar
LMP-106	Arya Prasad
LMP-107	L. Pfohreni
LMP-108	Soumendu Pal
Q	
LMQ-01	Athar Un-nisa Quraishi
R	
LMR-75	Amit Rai
LMR-76	Sreekumar M.R
LMR-77	Sree Ram R

LMR-78	Sandeep R
LMR-79	Kshama Rao
S	
LMS-190	Ankit Singh
LMS-191	Mohammed Abdul Salman
LMS-192	Sravan Sreekumar
LMS-193	Naveen Vivek Sakkanan
LMS-194	Mohamed Salih Mohamed Samsu-deen
LMS-195	Jagriti Shukla
LMS-196	Sampath S
LMS-197	Aswin Sanjeevan
LMS-198	Bhupendra Singh
LMS-199	Varnitha M. S.
LMS-200	Sweta Shaw
LMS-201	Aswin Ram SPS
LMS-202	Navyashree K.S.
LMS-203	Priyasmita Sarkar
LMS-204	Chitra Prabha Saun
LMS-205	Shweta Satia Naresh Satia
LMS-206	Davinder Jit Singh
LMS-207	Sumit Sachan
LMS-208	Kapil Singhal
LMS-209	Bimal Kumar Sahoo
LMS-210	Vanchula Srinnasan
LMS-211	Ipsita Subhadarshini
LMS-212	Rupinder Shergill
T	
LMT-24	Nimisha Sunil Thakur
LMT-25	Md. Zareer Tafadar
LMT-26	Madhu H.T
V	
LMV-27	Prudvi Raj Vaddadi
LMV-28	Alia Vidyadhara
LMV-29	Vinoth Kumar Venkatesan
W	
LMW-12	Prachi Pandit Wankhade
Y	


Best of JNACC

Editor's choice



Parmod Bithal, MD
Editor-In-Chief, JNACC

JNACC Journal of Neuroanaesthesiology and Critical Care
 J Neuroanaesthesiol Crit Care 2024;11:18–25.
https://eref.thieme.de/ejournals/2348-926X_2024_01#/10.1055-s-0043-1778076



Depuru A, Kaur K, Jangra K, et. al.

Goal-Directed Fluid Therapy Using Normal Saline versus Ringer’s Lactate in Pediatric Neurosurgical Patients: A Randomized Controlled Trial

A single center study conducted in 40 pediatric neurosurgical patients (ages 6 months to 14 years)

Primary Objective

Compare changes in serum chloride post-surgery








Secondary Objectives

- Assess metabolic acidosis
- Electrolyte balance
- Brain relaxation
- Neurological outcomes

Group-S: Received Normal Saline (n=21)

Group-R: Received Ringer’s Lactate (n-19)

	Significant rise (mean Δ 11.24 mmol/L)	P=0.037*	Moderate rise (mean Δ 6.79 mmol/L)
	Incidence: 28.6%	P=0.021*	Incidence: 0%
	5.67 \pm 9.69	P=0.168	1.42 \pm 5.90
	Good grade: 20 (95%)	P=0.184	Good grade: 14 (74%)
	mRS at discharge 19(91%)	P=0.179	mRS at discharge 19(100%)

Conclusion: RL maintained better acid-base balance but showed no significant disadvantage in brain relaxation or neurological outcomes. Both fluids are safe for moderate use in controlled settings.

Limitations: Small sample size and exclusion of major blood loss

Puzzle 2: What were their themes for the year 2024 ?

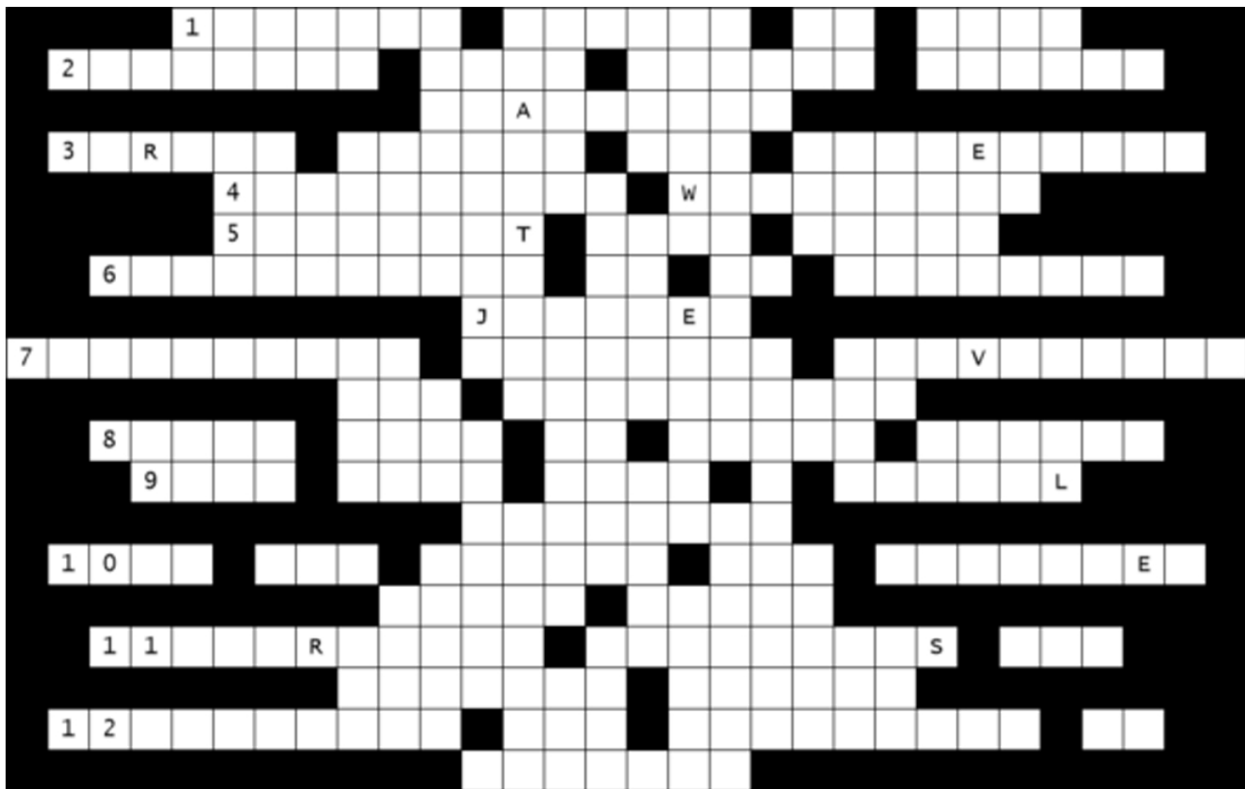
Try to rebuild the message.

The letters from each cell are below the puzzle. Try to rebuild the original message by choosing the letters for each cell.

Send your answers to isnaccenews@gmail.com within a week.

Three winners will receive Amazon gift vouchers and be acknowledged in the next issue!

If >3 correct entries → the first three respondents will be announced as the winners



M
E
S D G
F S M J U I A E
A A E U N R I I G F
T N N I A L L A S Y Y A
E H V C L P I Y N T A L I T
T E H G E N H E T O E E R N L A N
S P S O R E U O E T D C E G I W T
K P P R P M E T P T S N R O R E S I E A
L A W A R E T H O I C L N F S E T E N M G K N
I L E H T E R K G H Y I N D M O S T I C E O V
R I M N S I A A I H E D A M A O P E P O L E N R I
M O I T E O O T O S C O N B E A L R T V V J P T O
R E A W U B A C I L E A N N R A S P I I N R I S N
B M H M E N C N D N A M A E G H N K B Y E B E O R Y N
O C A O N G P A L N R A E O D R R A P R O N F T O Y O
W G B E R L O T K I H T N N R U I A Y N E I O E U I E S N

Answers for the cryptogram published in the previous issue (May 2024)

- | | |
|------------------|-----------------------------|
| 1) Phineas Gage | 6) Abraham Lincoln |
| 2) Savant | 7) Steve Wozniak |
| 3) Jason Padgett | 8) Muhammad Ali |
| 4) Frankie Muniz | 9) George Clooney |
| 5) Synaesthesia | 10) Hippocrates Asclepiades |

Congratulations
to the

winners of Puzzle-6!!!



1) Dr Sravanthi Vakada
Senior Resident,
Apollo Jubilee Hills



2) Dr Deepa Raj
Senior resident
DM Neuroanaesthesia and
Neurocritical Care
NIMHANS, Bengaluru



3) Dr Sravan Sreekumar
Senior resident,
Neuroanaesthesia
SCTIMST, Trivandrum

Residents completing the training



**Somsubhra Pal, DM Neuroanaesthesiology
and Neurocritical Care, PGIMER, Chandigarh**



**Unmesh Pramod Bedekar
Dr NB Neuroanaesthesiology,
P.D.Hinduja Hospital and Medical Research
Centre, Mumbai.**



**Pavithra D
Dr NB Neuroanaesthesia
Gleneagles Global Health City, Chennai**



**Smiley J
Dr NB Neuroanesthesia
Gleneagles global health city, Chennai**

RESIDENTS COMPLETING THE TRAINING

AIIMS Rishikesh



Dr Swathi M

Batch year : July 2021
Course : DM Neuroanaesthesia
and Critical Care
Institute : AIIMS, Rishikesh

AIIMS Jodhpur



Dr Ghazala Shabeen

Batch year : July 2023
Course : PDF Neuroanaesthesia
and Neurocritical care
Institute : AIIMS, Jodhpur

JIPMER, Puducherry



Dr. Adethen .G

**DM Neuroanesthesia
& Neurocritical care**

AIIMS Jodhpur



Dr. Ruchi Pathak

Batch year : July 2023
Course : PDF Neuroanaesthesia
and Neurocritical care
Institute : AIIMS, Jodhpur

Medanta



Lakshmi Bhavana

Course : DrNB Neuroanaesthesia
and Critical Care

4. AWARDS/HONORS OF ISNACC MEMBERS

Awards and honours



Medha Bhardwaj, senior resident Mahatma Gandhi Medical College and Hospital, Jaipur, receives “Best Poster Award” at the Asia Pacific Neurocritical Care Conference held at Kuching Sarawak, Malaysia, on 28th-29th June 2024.



Sindhu Priya M, MD, DM Kauvery Hospital, Chennai won the **first prize** for abstract presentation “on usual TCD signatures in unusual scenarios” in Annual conference of Neurosonology (ACNS), in Kochi on 22nd Dec 2024.



Kirandeep Kaur, senior resident, PGIMER, Chandigarh (now: Assistant Professor, MMU, Ambala, Haryana) receives two prestigious awards during SNACC 2024, Denver, USA on 12th-14th September 2024

1. **Women in Neuroanesthesiology and Neuroscience Education and Research (WINNER) abstract award**
2. **Indian Society of Neuroanaesthesiology and Critical Care and SNACC Joint award**

ISNACC Grants Awardees Research Grant 2023-24:
Feb 2024- Dr Sonia Bansal and Dr Rohini M Surve (NIMHANS)

Travel Grant 2023-24: Feb 24
Apoorva Singh and Kiran Jangra, PGIMER, Chandigarh
Amruta Nirale, Tejaswi GM

Research Grant 2024-24:
Aug 2024- Surya Dube, AIIMS, New Delhi

Travel Grant 2024-25: Aug 2024

Sumit Roy Chowdhury and Girija Prasad Rath, AIIMS, New Delhi

4. AWARDS/HONORS OF ISNACC MEMBERS



Ankur Khandelwal, AIIMS, Guwahati, receives **KOPs best paper award** in 'Chronic Pain' in the 71st Annual Conference of Indian Society of Anaesthesiologists (ISACON 2024), held at Patna



Gulshan Kumar, Senior resident, AIIMS New Delhi, receives **Dr. KOPs national award (neuroanaesthesia)** at the 71st Annual Conference of Indian Society of Anaesthesiologists (ISACON 2024) held at Patna

4. AWARDS/HONORS OF ISNACC MEMBERS



Keshav Goyal, AIIMS, New Delhi, receives “Best oral award” at Asia Pacific Neurocritical Care conference 2024, Malaysia on 28th-30th June 2024.



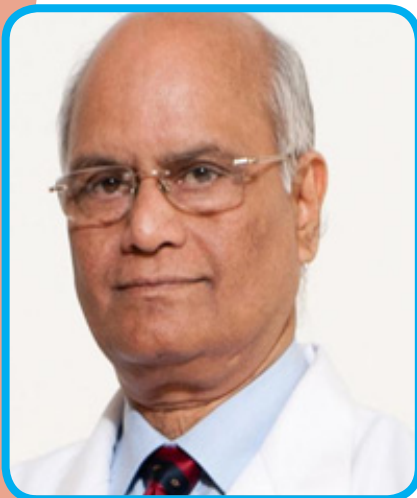
Girija Prasad Rath, MD, DM, FAMS AIIMS, New Delhi
Has taken charge as President Elect of SNACC



Tumul Chowdhury, MD, DM, FRCPC
Toronto Western Hospital,
Toronto, Canada Has taken charge as Secretary-Treasurer of SNACC



Prof. Anna Goswami, Kolkata, West Bengal, on being conferred the Lifetime achievement award by the Neurological Society of India NSI



Prof. Hari Hara Dash, Fortis Memorial Hospital, Gurugram, and Prof. Uma maheshwara Rao, MINHANS, Bengaluru & Prof. Lalita Naik, Mumbai, are set to receive the prestigious “Distinguished Mentor Award” during the GARC Leadership Summit scheduled for 30th January 2025 in Coimbatore.



Ajay Prasad Hrishi, DM
SCTIMST, Trivandrum

It is with great pleasure and enthusiasm that we extend our warmest welcome to each one of you to the 26th Annual Conference of the Indian Society of Neuroanesthesia and Critical Care. This prestigious event, scheduled to take place in the vibrant city of Trivandrum from January 24th to 26th, 2025, promises to be an enlightening and enriching experience for all involved. As we gather in Trivandrum, known for its rich cultural heritage and scenic beauty, we are excited to bring together leading experts, researchers, clinicians, and practitioners in the field of Neuroanesthesia and critical care from across India and beyond.

Over the course of three days, our meticulously curated program will feature insightful keynote addresses, engaging panel discussions, interactive work-

shops, and presentations of cutting-edge research findings. From exploring the latest advancements in Neuroanesthesia techniques to delving into critical care strategies for neurological patients, we aim to provide a comprehensive overview of the most pertinent issues and developments in our field.

Beyond the scientific program, the event also offers a chance to forge new partnerships, share experiences, and inspire innovation. The capital city of God's own country, Kerala, with its blend of tradition and modernity, offers a perfect backdrop for such exchanges, and we hope you'll find time to explore its treasures during your stay. Together, let us embark on a journey of discovery, collaboration, and growth as we strive towards excellence in Neuroanesthesia and critical care.

Hosted by



**8th Congress of Asian Society for
Neuroanesthesia and Critical Care (ASNACC 2025)**

In conjunction with

**101st Annual Scientific Meeting of
the Royal College of Anesthesiologists of Thailand**

**Excellent Practice Towards
Better Outcome in Neuroanesthesia**

**28th February - 2nd March 2025
InterContinental Bangkok Hotel, Thailand**



**Onsite
Congress**



SNACC

SOCIETY FOR NEUROSCIENCE
IN ANESTHESIOLOGY AND CRITICAL CARE



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Atlanta, Georgia

NAS 2025

Kota Kinabalu, Sabah

Neuroanaesthesia Symposium 2025

16-18 May (Friday-Sunday)

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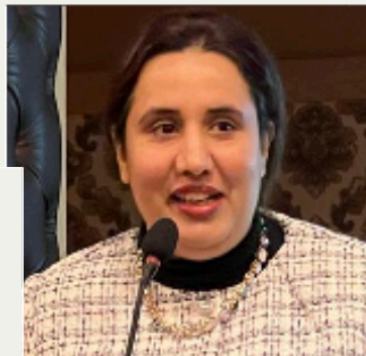
Learn More:



New Year



Kiran Jangra



Navneh Samagh



Sangeetha RP

e-Newsletter Team
Wishes you a Happy New Year