

# THE e-NEWS LETTER



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



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# ISNACC e-News

May-2024

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# Messages

*President*

**Dear ISNACC Members,**

*It is a privilege to be the President of the of the Indian Society of Neuroanaesthesiologists and Critical care and thank the esteemed members for bestowing this to me.*

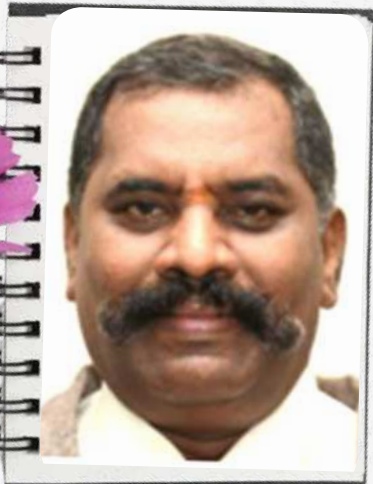
*This Society has grown since its inception and this largely been possible by the founding fathers who strived hard to make its presence felt in the country. The Society has now bloomed into a large and expanded its horizons keeping pace with the advances in the speciality.*

*There is an increasing need being felt for specialised care in Neuroanesthesiology and Neurocritical Care. The vision of the Society has to be to spread knowledge derived from scientific research, and globally assist in informed decision-making. This will be possible when we work as a well-knit unit where every effort should be make it inclusive to enable everyone to contribute to the growth of the speciality. Our goal should be patient centric, equitable, efficient and provide timely care. A major cause for poor outcomes is the delay in reaching care centres in time for effective treatment. Our mission now should be to take the Society a notch higher by creating awareness and spread the knowledge for the people to benefit. Patient safety is of paramount importance and this can be achieved by having protocols by consensus and implementing them uniformly. The care that is available presently is still not equitable and many are denied the benefit of advances due to non-availability of specialized services. This is now our responsibility to have our members to spread out over the entire nation and provide the services.*

*The next step would be to identify key gaps in the knowledge and conduct extensive research in these areas to find solutions. The areas of focus that need extra attention are pain management , procedure specific management and antibiotic stewardship as these are the areas which will be the talking points in the future. We have made great progress in the field and must continue our endeavour to reach higher goals and excel in the care we provide. The Society has been being doing well in promoting educational activity in the form of the e-education platform that has been created where a large number of our members are getting opportunities to share their views and expertise. "Patient first" principle should be our motto. We must continue to collaborate both at National and International forums and with other Societies for joint research.*

*I am sure that with young members with novel ideas and their active participation will take the Society forward and for strive for excellence.*

*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 ISNACC Members,**

We hope this message finds you well and thriving in your respective roles within neuroanaesthesiology and neurocritical care. As we venture further into 2024, we are delighted to bring you the latest edition of ISNACC e-News, filled with insightful updates and valuable resources. In the 25th year of existence as the Society, we have many things to be happy and proud of. Recently, we successfully concluded the Silver Jubilee annual meeting at AFMC Pune. On the occasion of the inauguration, the Postmaster General of the Pune region released a Special Cover on the “25<sup>th</sup> Annual Conference of Indian Society of Neuroanaesthesiology and Critical Care (ISNACC)” and handed over the first album containing the Special Cover to the Chief Guest Lt Gen Narendra Kotwal.

The number of life members of the Society crossed the 1100 mark. The Journal of Neuroanaesthesiology and Critical Care is in its 11<sup>th</sup> year of publication with a global impact and has recognized an impact factor. The Society continues imparting academics throughout the year through online e-education, regularly accessed by the international audience. The Malaysian Society of Neuroanaesthesiology and Neurocritical Care (MSNACC) has recently been affiliated with the ISNACC. The acute Neuro Care (ANC) course has made its footprint in various parts of the country. Meanwhile, the Neurocritical Care Society of India

(NCSI) signed an MoU with ISNACC to carry out ANC in a coordinated manner. National coordinators from both Societies will take forward the ANC initiative.

ISNACC established the Academy of Neuroanaesthesiology and Neurocritical Care (A-NANC), the first convocation of which was conducted during the third day of the conference at Pune. Fifteen senior members were awarded honorary fellowships (FNANC), and 18 postdoctoral fellows were also awarded certificates. The society’s founder president, Prof HH Dash, was felicitated with a Lifetime Achievement award, which was introduced for the first time.

Our 26<sup>th</sup> annual conference is scheduled for 24<sup>th</sup>-26<sup>th</sup> January 2025 at Koalam in Trivandrum. This year’s theme, “Synapses to Survival-Navigating the Neuroverse,” promises to deliver a rich exchange of knowledge and expertise. Stay tuned for more details on speakers, topics, and registration.

As always, we welcome your feedback and suggestions for improving our newsletter and enhancing the ISNACC experience for all members. Together, we can continue advancing the neuroanaesthesiology and critical care field in India and beyond.

Thank you for your continued support and dedication to ISNACC’s mission. Wishing you productive and fulfilling days ahead.

**Long live ISNACC!**

# Messages

## Editor



*Respected ISNACC members,*

**Warm Greetings from e-Newsletter team!**

It's our pleasure to inform you that we embark into the third year of publishing the e-newsletter. Over past few years ISNACC society has started many educational courses and academic activities. In addition, various funds and grants are given to promote research work, support international travel of young anesthesiologists, and conduct educational activities.

The e-Newsletter team tries its best to update the readers about various activities conducted by the ISNACC society and grants provided to the members. The newsletter also highlights the awards and achievements of ISNACC members to update and motivate the reader.

We, the ISNACC e-Newsletter team, are overwhelmed by the constant encouragement and blessings received with each edition. In future editions, we will continue to keep you updated about new activities, their reports and support provided by our ISNACC society. Looking forward to your best wishes.

Long Live ISNACC!

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## 2. SOCIETY CORNER

### I. Report of ISNACC Annual Meeting

#### SILVER JUBILEE CONFERENCE



**Shamik Kr Paul, MD, DM**  
CO Army Hospital,  
Western Sector

In a convergence of significant milestones, the Indian Society of Neuroanaesthesiology and Critical Care (ISNACC) celebrated its Silver Jubilee Conference from 16<sup>th</sup> – 18<sup>th</sup> February 2024, at the Armed Forces Medical College, Pune. Organized by the Department of Anaesthesiology and Critical Care, this momentous event coincided with the Platinum Jubilee year of AFMC.

The Silver Jubilee Conference marked a significant milestone in the society's journey, highlighting its commitment to innovation, collaboration and the continuous pursuit of knowledge.

ISNACC-2024 was inaugurated by Lt Gen Narendra Kotwal, AVSM, SM, VSM Director and Commandant and Maj Gen D Vivekanand, SM Dean and Dy Commandant AFMC. A special cover commemorating the silver jubilee conference of ISNACC was

General, Pune region. The conference featured a diverse range of workshops and hands-on training sessions, covering critical topics that are at the forefront of neuroanesthesia and critical care. Participants engaged in interactive sessions focusing on simulation for neuro-emergencies, neuromodulation and chronic pain, pediatric airway management, advanced hemodynamic monitoring, stroke, and smart research practices. These workshops aimed to provide practical insights and enhance the skills of healthcare professionals, offering a unique opportunity for experiential learning. A noteworthy component of the conference was a special Continuing Medical Education session on the Management of a Brain-Dead Patient for Organ Donations – with a broader aim of enhancing physicians' comprehension regarding the altruistic practice of organ donation.

The organizing committee spearheaded by Maj Gen Subrato Sen, SM (Organizing Chairman), Brig Rahul Yadav (Organizing Secretary), Col Shamik Paul (Organizing Co-Secretary), Col Shalendra Singh, Col Ajit Bharadwaj, Col Gunjan Singh, Lt Col DV Bhargava, Lt Col John MK, Lt Col Pradeep Sharma, Surg Lt Cdr George A, Maj Abhilash Jaiswal and Sq Ldr Shrishanth Murali strived hard to ensure an academic extravaganza for the distinguished delegates. The Society of Anesthesiology Pune also supported the organization of ISNACC with full enthusiasm. Vikas Karne of the SAP was the treasurer of ISNACC-2024. The conference hosted approximately 500 delegates, bringing together a diverse group of healthcare professionals, researchers and experts in Neuroanesthesia and Neurocritical care. Esteemed national and interna-



also released in the presence of Mr Ramchandra Jayabhaye, Postmaster

## 2. SOCIETY CORNER

tional faculty presented talks on the latest advances in neurosciences, contributing to an exhaustive scientific program that covers a wide array of subjects. Feedback received from the conference delegates stated that these sessions were intellectually stimulating and provided attendees with a comprehensive overview of the latest developments in the field.

A unique heritage walk was organized by the AFMC Alumni Association which showcased the historical importance of the AFMC campus. This was conducted by Air Cmde Anurakshat Gupta.

In a laudable move towards environmental responsibility, the conference organizers undertook a noble plantation drive to commemorate the Silver Jubilee. ISNACC, in collaboration with AFMC, sponsored and planted more than 100 saplings at the newly inaugurated Platinum Jubilee Park of AFMC. This initiative underscored a commitment to sustainable practices and environmental stewardship, aligning with the broader goals of responsible citizenship.

The Academy of Neuroanaesthesia and Neuro Critical Care (ANANC) held its first Convocation Ceremony on February 18, 2024, at the Armed Forces Medical College in Pune. The ceremony was graced by: Dr. HK Sale (Chief Guest) along with Dr. Virendra Jain (President of ANANC), Dr. Umamaheshwara Rao (Dean of ANANC) Dr. Girija Prasad Rath (Registrar of ANANC) along with other members of the governing council of ISNACC. Individuals from over 500 institutes, located in various parts of the country, and international locations attended

the convocation ceremony. During the ceremony, the following honorary awards were distributed:

- Lifetime Achievement Award: Prof HH Dash
- Distinguished Professional Service Award: Dr. HK Venkatesh
- Distinguished Teacher Award: Prof. Nidhi Panda
- President's Appreciation Awards: Dr. Ponniah Vana-moorthy and Dr. Kiran Jangra
- Best JNACC Reviewer Award: Dr. Charu Mahajan, Dr. Hemangi Karnik, Dr. Kiran Jangra, Dr. Ramani Mariappan, and Dr. Sriganesh Kamath

The following eminent members receive Honorary fellowship of ISNACC:

Fellow of the Academy of Neuroanaesthesiology and Neurocritical Care (FNACC)

1. H H Dash
2. Amna Goswami
3. KJ Choudhary
4. GS Umamaheswara Rao
5. Bibhukalayani Das

6. Parmod Kumar Bithal
7. G Parameswara
8. Lal Dhar Mishra
9. Mary Abraham
10. Joseph N Monteiro
11. Kavita Sandhu
12. MN Chidananda Swamy
13. Bharati Kondwilkar
14. Rajiv Chawla
15. Anil Parakh

Honorary fellowships in Neuroanesthesia and Neuro critical care were conferred on

15 distinguished teachers. Fellowships in Neuroanesthesiology was awarded to 10 individuals and Fellowship in Neurocritical care was awarded to 7 individuals.

ISNACC-2024 was a great amalgamation of academics and enjoyment. There were two cultural events organized in the famous Dhanvantari Auditorium. On the evening of 16<sup>th</sup> Feb an Odissi Dance performance was conducted by the famous Rudrakshya Foundation.



## 2. SOCIETY CORNER



The mesmerizing performance was appreciated by one and all. On the 17<sup>th</sup> of Feb the famous storyteller Mr Nilesh Misra enchanted the audience by his implacable talent of narration coupled with a magical musical nite. The delegates enjoyed the exquisite culinary spread infused with the richness of Maharashtrian cuisine and the elegance of the hospitality of the Armed Forces.

All the residents and faculty of the Department of Anesthesiology and Critical Care headed by Brig Rahul Yadav put their best foot forward in organizing the silver Jubilee edition of ISNACC in the most exquisite way possible.



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### PRIZE DISTRIBUTION – VALEDICTORY FUNCTION – ISNACC 2024

CATEGORY	PRIZE	NAME	Topic
The coveted Dr VK Grover award for the year 2024	Dr VK Grover Award	Apoorva Singh	Effect of Remote Ischemic Preconditioning on Incidence of Cerebral Vasospasm in Aneurysmal Subarachnoid Haemorrhage: A Randomized Controlled Trial
	SECOND Prize	Maddala Surya Kumar	Predictive Value Of Leucoglycaemic Index On Major Adverse Outcomes In Patients Undergoing Craniotomy: A Prospective Observational Study
	THIRD Prize	Unmesh Pramod Bedekar	A Prospective, Randomized, Single-Blinded Trial Comparing Pulse Pressure Variability [Ppv] Guided Fluid Therapy Versus Conventional Fluid Management In Adult Supratentorial Surgeries
Free Paper	FIRST	Ashitha. A	Multimodal Approach In Management Of Patients Undergoing Complex Intracranial Bypass Procedures And Its Impact On Patient Outcome- A Case Series
	SECOND	Rakulprasath S	Incidence, Risk factors and Outcomes of Unplanned Extubation In Neuro Critical Care Unit: A Prospective Observational Study
Poster	FIRST	Ishrat Yousuf	Super refractory seizure disorder after spinal anaesthesia - a case report
	SECOND	Manya Gupta	Anaesthesia for Kyphoscoliosis correction surgery in a patient with severe restrictive lung disease under MEP monitoring
	THIRD	Bhargavi Vallabhaneni	Anaesthetic management 4-month-old infant with Lumbar L2-3 intramedullary dermoid with sacral dermal sinus and low lying conus undergoing L2- S1 laminoplasty, laminectomy and excision of intramedullary dermoid and dermal sinus tract under general anaesthesia and motor evoked potential monitoring
	APPRECIATION	Ardija Singh	Intra-operative neurophysiological monitoring-case series
	APPRECIATION	Arjun Balakrishnan	Anesthetic management of Complex craniofacial deformity for foramen magnum decompression
QUIZ	FIRST	Srinivasan Ravi, Davinderjit Singh, P Sharon Kavya Chandana	
	SECOND	Nipun Gupta, Swathi Mallikarjuna, Ghazala Shabeen	
	THIRD	Joslita Rebello, Rakulprasath S, Saumyadipta S Pal	



## I. Reports of various educational activities

### A. ISNACC e-Education Committee Programs

#### a) Webinars

1) A webinar on 'ERAS in Neurosurgery' was conducted on 15<sup>th</sup> December, 2023 under the aegis of ISNACC e-education. The speakers of the webinar, Dr. Sourav Burman and Seham Syeda delivered informative talks on 'Basic Principles and Concepts of ERAS' and 'Clinical Applications and Outcomes of ERAS', respectively. The session was moderated by Subrata Singha and Varun Jain and coordinated by Ankur Khandelwal.

Around 85 delegates participated in the webinar generating great deal of discussion. The webinar was well appreciated by the delegates. ISNACC e-education program helps the students and practicing physicians to improve their knowledge and patient care skills.



Ankur Khandelwal, DM, A-FAMS  
AIIMS, Guwahati



Kiran Jangra, DM, A-FAMS  
PGIMER, Chandigarh

2) We held the webinar on common problems faced in intensive care unit including "Fever in Neuro ICU" and "Dyselectrolytemia in neuro ICU" on 2<sup>nd</sup> February 2024.

This webinar was moderated by two highly experienced anesthesiologists, Shekhar Reddy Gurralla, Apollo Health City, Hyderabad and Geeta L, M.S. Ramaiah Medical College and Hospital, Bengaluru. The speakers had a huge experience in managing these situations in ICU. Dr. Sweetha S. Mohan, Artemis Gurugram, talked about various challenges in a febrile patient and how to discriminate the central fever from the infectious fever in neurosurgical cases. Kalicharan Das, AIIMS Raebareli, elaborated various electrolyte abnormalities encountered in the ICU.

Overall, it was a very informative session and was attended by approximately 80 delegates. ISNACC e-education committee will continue conducting such webinars to enrich the knowledge of the neuroanesthesiologists and neurointensivists.

Long Live ISNACC!

## I. Reports of various educational activities



3) ICU Infections topic was discussed on 19<sup>th</sup> April 2024 webinar. ICU infection is the major topic of discussion off late because of the emergence of multidrug resistant organisms resulting in not only increasing the cost burden but also morbidity and mortality. Infections in neurocritical care are even more challenging as they directly involve the brain and antimicrobials reaching the target area effectively are minimal.

Asish Kumar Sahoo and Soumya Madhusudan discussed the sub-topics- Common bugs and infections in neuro ICU and Antimicrobial Stewardship, respectively. This session was moderated by Debashis Dhar and Abhishek Jha who are pioneers in the critical care management of such patients, shared their vast experience while discussing Indian protocols and protocols of the Western centers respectively. Various concerns regarding the types of infections, organisms, diagnostic dilemma and management in the neurocritical care was discussed. Noninfectious causes of fever was highlighted along with the discussion on emergence of new pathogens and resistant bugs. Global patterns in antimicrobial resistance (AMR), causes, drivers and various mechanism of AMR was analyzed and various aspects of antimicrobial stewardship to tackle this AMR was also discussed. Overall, it was a very informative session and was attended by 70-72 participants.



Ranganatha P C S, MD, DM  
SCTIMST, Trivandrum

## b) Journal club

The ISNACC e-Education Platform recently hosted a Journal Club session on April 4<sup>th</sup>, 2024. This report summarizes the Journal Club (JC) presentation. JC comprehensively discussed two recently published studies in the field of Neuroanesthesiology and Critical Care, highlighted the key points, rationale, clinical implications, methodological considerations, and future directions of the research presented.

Firstly, Dr. Sumit Chaudhury, DM resident, Neuroanesthesiology and Critical Care, All India Institute of Medical Sciences, New Delhi presented a pivotal study on augmenting the diagnostic accuracy of optic nerve sheath diameter (ONSD) measurements for intracranial pressure (ICP) assessment. (1) The study proposed integrating the deformity index alongside ONSD as an adjunctive parameter to enhance sensitivity and specificity in detecting increased ICP. Moderated by Dr. Rudrasheesh Haldar, Additional Professor, Sanjay Gandhi post graduate Institute of Medical Sciences, Lucknow, the discussion delved into the potential of the deformity index to refine diagnostic practices in monitoring intracranial dynamics.

The second study discussed in the journal club was regarding Analgesic Effects of Preoperative Combination of Oral Pregabalin and Intravenous Magnesium Sulphate on Postoperative Pain in Patients Undergoing Posterolateral Spinal Fusion Surgery. (2) The

study was presented by Dr Rhea Thotungal, DM Resident, Neuroanesthesiology Critical Care and moderated by Dr Ashutosh Kaushal, Associate Professor, Anesthesiology and Pain Medicine, All India Institute of Medical Sciences, Bhopal. Multimodal perioperative pain management, incorporating nonopioid analgesia, is crucial for enhanced recovery after surgery. The study investigated combining preoperative oral pregabalin and intravenous magnesium sulfate for patients undergoing lumbar spinal fusion. Multimodal analgesia group showed lower morphine consumption, reduced pain, and less nausea/vomiting compared to individual drugs or placebo, suggesting enhanced efficacy.

Dr Ashish Bindra, the journal club coordinator, made a brief presentation on multiarmed multistage studies. Multiarmed - multistage studies are clinical trials designed to evaluate multiple treatments or interventions simultaneously in different study arms, often with interim analyses to potentially stop arms early or to add new arms based on emerging data. This approach allows for efficient comparison of several treatments within the same trial, reducing costs and time.



Ashish Bindra, MD, DM  
All India Institute of Medical Sciences, New Delhi

### > c) Case discussion

We are delighted to share the resounding success of the recent educational classes conducted by the Education Committee of the Indian Society of Neuroanesthesiology and Critical Care (ISNACC). These sessions served as invaluable opportunities for our members, mainly students to deepen their understanding and expertise in the field.

On March 15<sup>th</sup>, Prudhvi Raj, 2<sup>nd</sup> year DM student from PGIMER, Chandigarh led an insightful discussion on the perioperative management of a case of pituitary disease. We extend our gratitude to the moderators, Sriganesh Kamath, Professor and HOD, NIMHANS Bengaluru, Keshav Goyal, Professor, AIIMS, New Delhi and Kiran Jangra, Additional Professor, PGIMER, Chandigarh for their guidance during the session. Special thanks to Ankur Luthra, Associate Professor, PGIMER, Chandigarh for coordinating this informative event.

Continuing our educational endeavors, on March 22<sup>nd</sup>, Anjane Sree S, 2<sup>nd</sup> year DM student from SCTIMST, Trivandrum presented a case on the perioperative concerns in aneurysmal clipping. We appreciate the efforts of Ajay Prasad Hrish, Additional Professor, SCTIMST, Trivandrum, Priyanka Gupta, AIIMS, Rishikesh and Ankur Luthra, Associate Professor, PGIMER, Chandigarh for moderating this session excellently. We also extend our thanks to Nitasha Mishra for coordinating the event.

Lastly, on April 12<sup>th</sup>, Tejaswi GM, 2<sup>nd</sup> year student from NIMHANS Bengaluru shared valuable insights into anesthesia management for patients with supratentorial tumors. We are grateful to Sudhir V, Professor, NIMHANS, Bengaluru, Navdeep Sokhal, Professor, AIIMS, New Delhi and Shiv Lal Soni, PGIMER, Chandigarh for moderating the session, and to Rajeeb Kumar Mishra, NIMHANS Bengaluru for his efficient coordination efforts. With close to 100 attendees in each of the sessions, these classes not only enriched our knowledge but also fostered a sense of collaboration and camaraderie within our society. We extend our sincere appreciation to all attendees for their active participation and enthusiasm.

Looking ahead, we are excited about the prospect of organizing more such enriching educational initiatives in the future.



**Nitasha Mishra, DM, A-FAMS  
AIIMS, Bhubaneswar**

## B. Educational activities Endorsed by ISNACC

### a) DHR – ICMR Workshop on Comprehensive Monitoring of Patients in Neurocritical Care



**Ajay Prasad Hrish**  
SCTIMST, Trivandrum

The Department of Anaesthesia, Sree Chitra Tirunal Institute for Medical Science & Technology organized a two-day CME and workshop on Comprehensive Monitoring of Patients in Neurocritical Care on 13<sup>th</sup> and 14<sup>th</sup> January 2024 at AMC Auditorium, AMC Seminar Hall & Swasthy Hall, SCTIMST, Thiruvananthapuram. The workshop was funded by the Department of Health Research, Government of India, and the Indian Council of Medical Research.

The workshop aimed to provide an update on the latest advances and techniques in the monitoring of patients with neurological disorders and injuries in the critical care setting. Delegates from various specialties such as neuro-

logy, neurosurgery, anesthesia, intensive care, and emergency medicine attended this advanced clinical workshop. The workshop was conducted by reputed faculties from various National Institutions across the country.

The Souvenir book on “Comprehensive Monitoring in Neurocritical care” was released by Prof. Sanjay Behari, Esteemed Director, SCTIMST. The formal inaugural function was conducted at 10.30-11.00 am on 13<sup>th</sup> January 2024 at the AMCHSS auditorium. Prof. Shrinivas V G, Professor Senior grade and Head, Department of Anaesthesiology, and the Organizing Chairperson of the workshop, welcomed the gathering. This was followed by the traditional lamp lighting by the chief guest, Prof. Rupa Shreedhar, Medical Superintendent, SCTIMST, and other dignitaries. Prof. Manikandan S, Deputy Director, SCTIMST, and the Co-Organizing Chairperson of the workshop also addressed the gathering. Ajay Prasad Hrish, Additional Professor, Neuroanaesthesia & Critical care, and the Organizing Secretary gave

the vote of thanks and provided the overview and orientation of the workshop.

The workshop consisted of lectures and hands-on workshops on the following topics:

- **Day 1:** Echocardiography (FATE), Cardiac output monitoring, POCUS (Lung ultrasound and FAST scan) and Radiology in Neurocritical care
- **Day 2:** EEG and processed EEG, Cerebral oxygenation-NIRS and Jugular oximetry, Brain ultrasound, and Transcranial doppler.

The workshop was interactive and informative, and the delegates had the opportunity to learn from the experts and practice the skills on simulators and volunteers. The workshop also provided a platform for networking and sharing of experiences among the participants and the faculty. The workshop received positive feedback from the delegates and the faculty and was appreciated for its relevance, quality, and organization. The workshop was a great success and fulfilled its objectives.



## b) Acute Neuro Care Workshops

### Jawaharlal Nehru Medical College, DMIHER, Sawangi (Meghe), Wardha, 26<sup>th</sup> January 2024

We successfully conducted an Acute Neuro Care Workshop and CME at JNMC, DMIHER, Sawangi (Meghe), Wardha, Maharashtra on 26<sup>th</sup> January 2024. Workshop and CME were organized under the aegis of NSI, ISNACC and NCSI. The event was held at School of Experiential Learning and Simulation Centre, JNMC, Sawangi (Meghe), Wardha. Dr. Rajshree Deopujari from JHRC, Mumbai and Sandeep Iratwar from JNMC, Sawangi were the Course Convenors. The Course Director was Ashish Bindra from AIIMS, New Delhi. Other National Faculty consisted of Neeta Karmarkar from Nanavati Hospital, Mumbai and Kiran Jangra from PGIMER, Chandigarh.

Regional Faculty, who gave their valuable contribution were Tushar Patil (Neurologist), Parimal Fuke (Radiologist) and Shirish Vaidya (Radiologist). Neuroanesthesia regional faculty consisted of Roshan Nisal, Mangesh

Mulaokar and Priya Thappa. Sudha Jain (Anaesthesia) and Rupesh Bokade (Intensivist) conducted the hands-on sessions along with Course Director and all the esteemed faculty.

**Sandeep Iratwar (HOD, Neurosurgery, JNMC) welcomed all esteemed faculty and delegates. Course was introduced by Rajshree Deopujari and Ashish Bindra.**

The workshop covered various Neuro-emergencies with topics ranging from Traumatic Brain Injury (TBI), Traumatic Spinal Cord Injury (SCI), Airway, Ventilation and Sedation, Code Brain, Subarachnoid Hemorrhage (SAH), Intracerebral Hemorrhage (ICH), Acute stroke, Neuroradiology, Meningoencephalitis, Neuromuscular Weakness, Status Epilepticus and coma. Topics were discussed with Didactic lectures and Hands on sessions with an opportunity to engage with experts and learn the insights to treat neuro-emergencies.

During the workshop, experts demonstrated the management of neuroemergencies like Status Epilepticus and Stroke on simulation-based mannequins. Airway and whole-body mannequins were utilized to demonstrate how to secure airway and how to position and transfer the patients in various neuroemergencies like TBI and SCI. Experts also demonstrated E-FAST examination with USG on a volunteer.

A total of 68 Delegates from various specialties like Anesthesia, Medicine, Emergency Medicine, Critical Care, Neurology, Neurosurgery attended the workshop from 8:00 AM to 5:30 PM. All delegates actively participated in didactic lectures and hands on sessions.

Extremely positive feedbacks were given by the delegates and JNMC mentors, who also emphasized the need of many more such programs in the future. This was our hum-



ble attempt to take Acute Neuro Care to the peripheral centers of India and we hope to organize similar workshops in the future, further advancing the neurocritical care in India

### **MIMSR Medical College, Latur, 23<sup>rd</sup> February 2024**

We also conducted Acute Neuro Care Workshop and CME as a Pre-Conference event at 14<sup>th</sup> MCNS 2024 (Midwest Chapter of Neurological Surgeons) at MIMSR Medical College, Latur, Maharashtra on 23<sup>rd</sup> February 2024. Workshop and CME were organized under the aegis of MCNS, IS-NACC and NCSI. Rajshree Deopujari from JHRC, Mumbai, Manisha Katikar from BINIT, Solapur, Devashish Ruikar and Nilesh Nagargoje (Neurologists) from Latur were the Course Convenors. The Course Director was Colonel Shamik Paul from AFMC, Pune.

Anil Parakh from Mumbai, Colonel Pradeep Sharma from Pune and Roshan Nisal from Wardha gave valuable contribution to the workshop. Latur Faculty consisted of Devashish Ruikar (Neurologist), Nilesh Nagargoje (Neurologist) and Shi-

vanand Patil (Radiologist), who also carried out the hands-on sessions along with the Course Convenors, Course Director and all faculty.

Ramesh Bharate Vice President IMA Maharashtra State, Professor Respiratory Medicine GMC, Latur along with Bhaskar Kendre inaugurated



the workshop by doing ribbon cutting. Rajshree Deopujari welcomed the delegates and gave Introduction to ANC course.

A total of 40 Delegates Comprising Anesthesiologists, Physicians, Emergency Medicine Specialists, Intensivist, ICU and EMD staff attended the workshop from 9:00 AM to 3:30 PM. All del-

legates were actively involved in didactic lectures and participated in hands on sessions.

Delegates and MCNS mentors gave extremely positive feedbacks and requested for similar programs in the future. Delegates were satisfied with the content of the workshop and enjoyed hands on sessions.



# 3. Resident Corner

puzzle



Answers for the cryptogram published in the previous issue  
(December 2023 edition)

1. Kepler  
2. Realiti

3. Mc Sleepy  
4. Sedasys

5. Magellan  
6. Prescience

## Puzzle-5!!!



**Apoorva Singh**  
**PGIMER, Chandigarh**

**Vidya Sriram**  
**NIMHANS, Bengaluru**

**Nipun Gupta**  
**AIIMS, New Delhi**



Sangeetha RP, MD, DM  
NIMHANS, Bangalore

## C. CRYPTOGRAM PUZZLE 6

**THEME: FAMOUS SURVIVORS OF TBI - RESILIENCE OF THE HUMAN SPIRIT!**



**Decode the concepts.**

**Each letter in the phrase has been replaced with a random number.**



A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
	13	4				23														9		17			

\_\_\_\_\_ G \_\_\_\_\_ G  
 \_\_\_\_\_ 11 6 15 8 10 5 24 \_\_\_\_\_ 23 5 23 10  
 \_\_\_\_\_ 24 5 1 5 8 2  
 \_\_\_\_\_ 14 5 24 19 8 \_\_\_\_\_ 11 5 26 23 10 2 2  
 \_\_\_\_\_ 16 7 5 8 20 15 10 \_\_\_\_\_ 18 9 8 15 21  
 \_\_\_\_\_ 24 12 8 5 10 24 2 6 10 24 15 5  
 \_\_\_\_\_ B \_\_\_\_\_ C  
 \_\_\_\_\_ 5 13 7 5 6 5 18 \_\_\_\_\_ 22 15 8 4 19 22 8  
 \_\_\_\_\_ 24 2 10 1 10 \_\_\_\_\_ W  
 \_\_\_\_\_ 17 19 21 8 15 5 20  
 \_\_\_\_\_ U  
 \_\_\_\_\_ 18 9 6 5 18 18 5 26 \_\_\_\_\_ 5 22 15  
 \_\_\_\_\_ G \_\_\_\_\_ G \_\_\_\_\_ C  
 \_\_\_\_\_ 23 10 19 7 23 10 \_\_\_\_\_ 4 22 19 19 8 10 12  
 \_\_\_\_\_ C \_\_\_\_\_ C  
 \_\_\_\_\_ 6 15 11 11 19 4 7 5 2 10 24 \_\_\_\_\_ 5 24 4 22 10 11 15 5 26 10 24

### HINTS

- 1) I am referred to as the 'American Crowbar Case'! My skull has become a relic and is on display along with the famous iron rod at Harvard's Warren Anatomical Museum in Boston!
- 2) This is an acquired syndrome where prodigious talents in math, art or music emerge in previously normal individuals following a brain injury or disease!
- 3) I am a famous mathematician who is a living example of the abovementioned syndrome. After my head injury, I began viewing the world through a symbolic lens of mathematical shapes!
- 4) I starred in the 'Malcolm in the Middle' series, and later survived a severe traumatic brain injury (TBI) back in 2012 and now completely recovered to ace care racing!
- 5) This neurological condition has been reported rarely after head injury. This is a perceptual phenomenon in which stimulation of one sensory or cognitive pathway leads to involuntary experiences in a second sensory or cognitive pathway!
- 6) I was the first TBI survivor to be elected president. I was kicked in the head by a horse when I was ten years old. Throughout my career as a successful lawyer, inspirational wartime president, and legislative genius, I struggled with "melancholia".
- 7) I am the Apple co-founder who stalled my single-engine Beechcraft Bonanza during takeoff. My plane plummeted, crashing into the runway, leaving me head injured. I credit my full recovery to the Apple II computer games I played in the hospital!
- 8) Historians estimate that this legendary boxing champion was hit about 200,000 times throughout his career, and over half of these blows were to the head. His speech progressively slowed, and he later developed Parkinson's Syndrome.
- 9) I am an Oscar and countless Academy Award-winning actor and director who had sustained a severe TBI with the pain relatable to "having a severe ice cream brain freeze that lasted 24 hours a day." I had even contemplated suicide to escape this horrific pain.
- 10) I am not a TBI survivor, but a pioneer in the treatment of head injuries! My treatise on 'Wounds in the Head' is the first medical work to focus exclusively on cranial trauma. Who am I?

**Send your answers to [isnaccenews@gmail.com](mailto:isnaccenews@gmail.com) within a week.**

**Two winners will receive Amazon gift vouchers and acknowledged in the next issue!**

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

## C. ISNACC Write-Up Competition-2023

**Topic: - ISNACC in the next 10 years: Expectations and Possibilities**

**Best Write Up (1st)**



**Madhuri Garg, MD**  
GIPMER, New Delhi

The Indian Society of Neuroanaesthesiology and Critical care (ISNACC) is a prominent organization at the forefront of neuroanesthesia and critical care in India. It is poised for significant growth and transformation in upcoming years with multitude of exciting possibilities. As we look ahead to the next decade, ISNACC has a pivotal role to play in shaping the landscape of neuroanesthesia and critical care in the country.

ISNACC is expected to promote the establishment of specialized neurocritical centers across the country which will offer comprehensive care for patients with neurologic conditions by bringing together experts in neuroanesthesia, neurology, neurosurgery and critical care. By utilizing telemedicine, it has the potential to expand its reach beyond urban centers. It can connect remote areas with specialized experts ensuring appropriate care to the patients.

It would embrace latest technological advancements to improve patient care. This may include integration of advanced monitoring systems, robotics, AI tools. It might invest in development of newer neuroprotection strategies that can minimize brain injury during surgery and in critical care settings.

ISNACC is likely to expand its educational and training program via conferences and workshops to keep healthcare professionals updated on latest techniques and research. Expectations include more scholarships and grants for students, and further development of online learning platforms including offline access with mobile apps to reach a broader audience for learning at their own pace and comfort.

The society could work towards establishing national standards and guidelines to ensure that all medical facilities from hospitals to smaller clinics adhere to best clinical practices. ISNACC may evolve to provide patient centric care,

# 3.

# Resident Corner

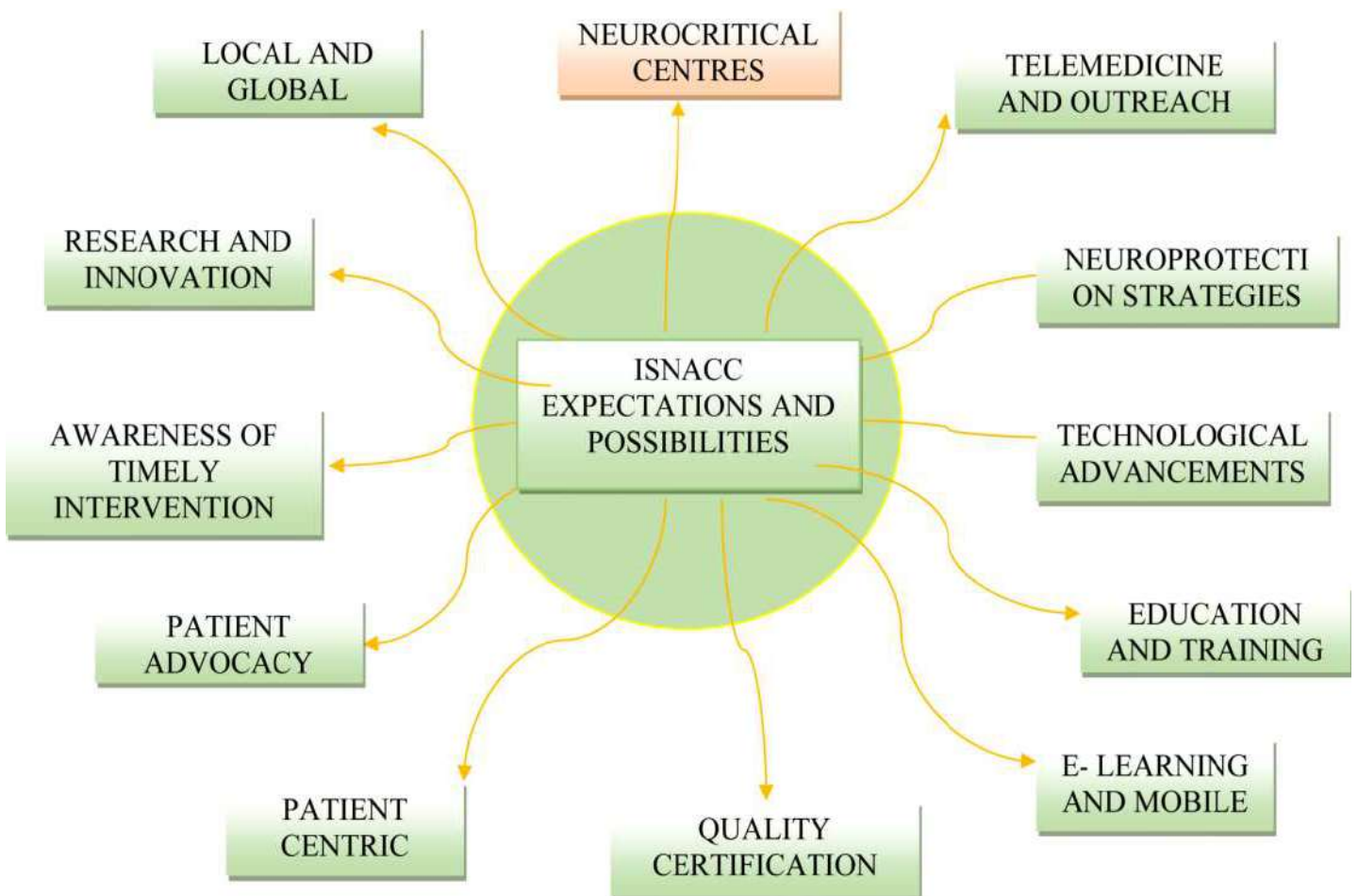
emphasizing not only on medical treatment but also overall well-being of patients by involving psychological and social support for patients and their families.

The organization could support and foster the culture of research and innovation. This will involve increased funding for research projects aimed for providing better treatment options and improved patient outcomes.

The society can collaborate with local patient support groups and government agencies to raise awareness about neurological diseases and importance of timely and effective neurocritical care. Collaborations with international organizations and experts could lead to exciting possibilities.

ISNACC might engage in joint research projects, knowledge sharing and exchange programmes, which could further elevate the standards of neuroanesthesia and critical care in India.

As we delve into this future, ISNACC's commitment to excellence and patient advocacy will continue to drive its mission forward, contributing to the betterment of neuroanesthesia and critical care in India. While expectations are high, it is essential for the organization to remain agile, adaptable and dedicated to its mission as it embarks on this transformative decade. As aptly quoted – "The future belongs to those who see possibilities before they become obvious."



  
**Best Write Up (2nd)**  




“The possibilities are endless...one merely needs to step forward.”

To recognize the need for an umbrella organization dedicated to promoting the advancement of neuroanaesthesiology and critical care in India, the Indian Society of Neuroanaesthesiology and Critical Care (ISNACC) was founded in 1999. Over the years, it has significantly contributed to the field by organizing conferences, disseminating knowledge by e-learning modules, case presentations (an ISNACC-PGIMER initiative), a dedicated YouTube channel, and fostering research and development.

With the rapidly evolving healthcare landscape and technological advancements, the next decade holds tremendous potential for ISNACC to

further expand its impact and enhance patient outcomes.

In the next 10 years, ISNACC should aim to increase collaborative research efforts through partnerships with other national, non-governmental and international organizations to promote interdisciplinary research projects. Partnering with renowned institutions and professional societies globally can facilitate the exchange of ideas, expertise, and best practices, as well as providing ISNACC members abundant exposure to versatile advanced technology. The recently concluded SNACC (Society for Neurosciences in Anesthesiology and Critical Care) conference at Alexandria, Virginia saw Dr. Girija Rath address other societies around the world and be elected as Vice-President (Education & Scientific Affairs) of SNACC and will get a chance to lead the upcoming annual scientific meeting at Denver, Colorado. This has put ISNACC on the world map squarely!!!

Government funding should be applied for and procured to establish new and advanced centers of excellence for neuroanesthesia and critical care in not just metro cities, but also in peripheral areas. ISNACC should prioritize regional outreach programs to create awareness about the need for specialized neuroanesthesia services and the need for dedicated neurocritical care centers, provide training, and improve healthcare infrastructure, especially in deprived areas. ISNACC can influence national policies and advocate

for the field's recognition and prioritization. Better neuroscience-centric policies can be formulated, stroke centers can be established, emergency corridors can be built in cities through active campaigning by the doyens of ISNACC.

ISNACC should integrate the rapid advancements in technology, such as artificial intelligence (AI), virtual reality, and telemedicine into current practices. Maximal use of virtual reality for simulation of emergency scenarios and refining professional skills should be promoted and invested in. AI can be optimally employed in patient monitoring, automated data analysis, and predictive analytics. In this post-Covid era, telemedicine should be promoted by ISNACC to facilitate remote consultations, reducing the burden on centers and ensuring access to expert care across peripheral areas, optimizing costs and personnel ergonomics.

In the next decade, ISNACC should focus on making CME programs more accessible and immersive via online webinars to reach a larger audience. Incorporation of virtual reality simulations in webinars can be a possibility with metaverse platforms. The YouTube channel can become a one-stop bank for learning and quick revision of latest protocols, skill sets, procedural instruction and case presentations for not only residents and fellows, but also the experienced many. The next decade promises to be exciting for sure!!!

“The sky is not the limit, it's just the beginning.”

**Best Write Up (3rd)**



**Selvendiran P, MD**  
**CMC Vellore**

Since its inception in 1999, the Indian Society of Neuroanaesthesiology and Critical Care (ISNACC) as an organization has continued to fulfil its motto to achieve the highest standards of practice and safety in neuroanesthesia, neurocritical care and pain management through advanced education and research in neurologically impaired patients. The next decade, too, will be filled with opportunities through which ISNACC will prove to be outstanding in the field of neurosciences owing to the establishment of structured training, publication of high-quality scientific research, and invention of novel medications and monitoring modalities.

Academically, ISNACC, true to its objective, will encourage and facilitate the young members of the society to improve their knowledge and skills in the field of neuroanesthesiology and increase overall awareness and knowledge of the mem-

bers, through novel methods of education, namely competency-based medical education (CBME) in the domains of attitude, knowledge and skills. Artificial intelligence (AI) and simulation-based practices will be the standard for educating budding neuroanesthesiologists. ISNACC-sponsored simulation labs will be a part of the operating room complex, facilitating education and research. Guidelines generated through outstanding research and clinical trials in ISNACC led institutes will be the gold standard worldwide. ISNACC research grants will facilitate the discovery of newer pain relief modalities and developments in drug delivery techniques, promoting enhanced recovery after surgery (ERAS) as the order of the day.

The foundations laid through the fellowships and post-doctoral courses will lead to building a team of excellent peri-operative physicians actively involved in every sphere of patient management. Our involvement in acute neurological emergency services, acute-stroke care, peri-operative optimization of neurologically ill patients, intra-operative management of complex neurosurgical and neuro-interventional procedures followed by outstanding post-operative neurocritical care will set us apart as an organization establishing the most proficient patient care possible.

In the field of research, ISNACC will spearhead the establishment of centers of excellence in research termed 'neuro-labs'. These 'neuro-labs' will invest in research focusing on gene modulation and regu-

lation for diseases such as ischemic strokes, subarachnoid hemorrhage, Parkinson's, Alzheimer's and other neurodegenerative disorders. Furthermore, our enthusiastic and talented researchers, encouraged by the stalwarts of the ISNACC organization, will be future Nobel laureates! Our annual national conference will be a sought-after intercontinental academic fest attended by eminent neuroanesthesiologists and neuroscientists worldwide!

ISNACC will encourage developments in telemedicine, remote consultations and technological integration, such as artificial intelligence and virtual reality, facilitating patient assessment, monitoring, and treatment, allowing our expertise to reach patients in remote or unreachable areas of our motherland, India.

ISNACC will face new challenges and opportunities such as increasing demand for neuroanesthesiology and neurocritical-care services, the changing demographics and epidemiology of neurological diseases, the ethical and legal issues related to brain death and organ donation and the impact of climate change and environmental factors on neurological health.

Ultimately, to summarize it all, in the next decade, ISNACC will develop as envisaged in the "7P's", namely Procedures, Protocols, Preventives, Practices, Policies, Participants and Partners with ongoing research and technological advancements in Neuroanesthesia and Critical care.

Long live ISNACC!

**AIIMS, New Delhi**  
DM Neuroanaesthesia & Critical care



Sagar Debbarman



Sneha Pandit

**JIPMER, Puducherry**  
DM Neuroanesthesia & Critical Care



Vivek Chander

**NIMHANS, Bengaluru**  
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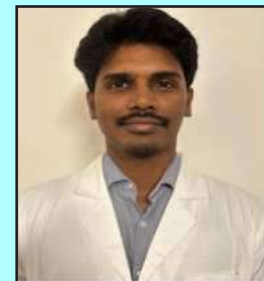
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Yagna Munesh Gali



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Nurulhuda A Manap

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Swati Sanjay gupta



Amrapali Sen

## RESIDENTS COMPLETING THE TRAINING

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PDF-Neuroanesthesiology



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Swati Singh



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PDF-Neurocritical care

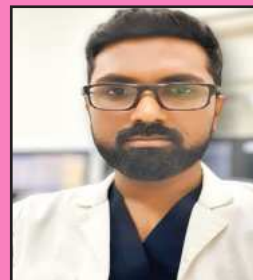


Shweta Revannavar



Medha Vyas

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PDF-Neurocritical care



Sumit Das



Bhagyesh Sushchendra Kame

**Institute of Neurosciences Kolkata**  
PDF-Neurocritical care



Arijit Kumar Barai



Parijat Das

**DrNB 2020-23**  
**GB Pant Institute of Postgraduate Medical  
Education and Research**



Rajishth Mittal



Karandeep Singh

Both of them receives Certificate of Commendation for Outstanding thesis in Neuroanaesthesia from NBE

## 4. AWARDS/HONORS OF ISNACC MEMBERS

### PRESIDENT'S GOLD MEDAL by NBEMS on 22<sup>nd</sup> convocation



**Nidhi Singh, DM, DNB**  
(PGIMER, Chandigarh)  
SGPGI, Lucknow



**Shreya Banerjee, MD, DNB**  
Indraprastha Apollo Hospital,  
New Delhi

## Special Award



**Ikjot Singh,**  
Senior Resident, PGIMER, Chandigarh

Receives "Chief of Army Staff" ward For rescue operation of Glacial burst with flash floods in Tapovan(7th Feb 2021) Rescued 42 persons.



**Rahul Yadav, AFMC Pune and Ankur Khandelwal, AIIMS Guwahati**

Elected as Executive committee members of Research Society of Anaesthesiology and Clinical Pharmacology during 32<sup>nd</sup> annual meeting held at AIIMS, Jodhpur from 19th-21<sup>st</sup> April, 2024

## 4. AWARDS/HONORS OF ISNACC MEMBERS



**Swati Chhabra,**  
AIIMS Jodhpur

Becomes the Joint Secretary of Research Society of Anaesthesiology and Clinical Pharmacology during 32<sup>nd</sup> annual meeting held at AIIMS, Jodhpur from 19<sup>th</sup>-21<sup>st</sup> April, 2024



**Vidya Sriram, Senior Resident,**  
NIMHANS, Bangalore

Awarded the second prize for the best abstract in the critical care track at the World Congress of Anaesthesiologists, Singapore in March 2024



**Ajay Prasad Hrishi, SCTIMST, Trivandrum**  
Received the 'Excellence award' at their Institute Day celebrations in February 2024

## REGISTRATIONS OPEN!



# ISNACC 2025

Synapses to Survival-Navigating the Neuroverse

Conference : January 24<sup>th</sup> to 26<sup>th</sup> 2025  
Pre-conference workshop : 23<sup>rd</sup> Jan 2025  
Venue: Kerala Arts and Crafts Village  
Kovalam, Trivandrum



<https://isnacc2025.com>



[isnacc2025@gmail.com](mailto:isnacc2025@gmail.com)

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"Brian - The Brainstormer"



Hosted by



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

*In conjunction with*

**101<sup>st</sup> Annual Scientific Meeting of  
the Royal College of Anesthesiologists of Thailand**

**Excellent Practice Towards  
Better Outcome in Neuroanesthesia**

---

**28<sup>th</sup> February - 2<sup>nd</sup> March 2025  
InterContinental Bangkok Hotel, Thailand**



**Onsite  
Congress**



# Annual Meeting

September 12-14, 2024  
Denver, Colorado

[View This Email in Your Web Browser](#)

## Submit Your Abstract for the 2024 SNACC Annual Meeting

### Deadline Extended to May 15

Abstracts and related award applications are still being accepted for the 2024 SNACC Annual Meeting, where the best of neuroscience in anesthesiology in critical care will be presented this September in Denver, Colorado.

[Abstract Submission Site](#)

Receive the recognition you deserve for advancing neuroscience in anesthesiology and the critical care of patients with neurological disorders. Share your important work with colleagues and submit your abstract today!

*For those with travel limitations, live presentations via an online portal will be available; presenters must be available at the designated session time.*

## SUBMISSION DEADLINE: MAY 15, 2024

[www.snacc.org](http://www.snacc.org)  
STAY CONNECTED

