



# *ISNACC e-News*

September 2022



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

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# Messages

## President's Message

Dear ISNACC Members,

I must express my pleasure and gratitude for my presidency of our prestigious society. It was indeed a pleasure to go through the latest membership figures of our society on our website; Our society has now completed 22 years and has over 850 members who are exclusive practitioners of Neuroanaesthesia. More than 32 institutes and local organizations in India are actively engaged in education programs in Neuroanaesthesia and Neurocritical Care. Our society remains one of the leading and respected Neuroanaesthesia and Neurocritical Care national organization in the world.

Over the years, many of our esteemed ISNACC members have made a mark internationally for their contribution to Neuroanaesthesia and Neurocritical Care.

They have been duly recognized and received several honors and awards. The latest such recognition is for our very own secretary, Prof. Girija Rath, has been chosen as SNACC Secretary-Treasurer, many congratulations to him.

We have recently shifted our Secretariat to AIIMS, New Delhi and work has restarted in earnest to preserve and enhance our rich tradition of imparting education all over. I would like to congratulate our Newsletter team for their timely efforts in bringing out a contemporary and newsworthy edition.

I request all members to make ISNACC stronger by increasing membership and working in the interest of society and our specialty. I request more people to contribute to our flagship Journal ISNACC.

We have very dynamic and motivated leaders in our secretariat and the GC committee who, I am sure, will spare no efforts to make ISNACC and NCSI (its Neuro Critical Care Arm) organizationally and academically stronger.

Our hosts in Hyderabad are sparing no effort to make the annual meeting a great academic and social event and I look forward to seeing a large participation and inspiring scientific deliberation at Hyderabad during 20<sup>th</sup>-22<sup>nd</sup> January 2023.



**Rajshree Deopujari, MD**

Regards,  
**Rajshree Deopujari, MD**



**Indian Society of Neuroanaesthesiology and Critical Care**

# Message from ISNACC Secretariat

Dear Members,

Greetings from ISNACC Secretariat!

This is the first Newsletter release for the Indian Society of Neuroanaesthesiology and Critical Care (ISNACC) after the Secretariat shifted to New Delhi. We take this opportunity to thank the office bearers of the previous Secretariat for their hard work and constant efforts to take Society to newer heights. As we take charge of the Secretariat, we not only face the challenge of maintaining the standards laid down by the founders and predecessors of the ISNACC but also flourishing in all dimensions. As an essential step, we decided to have a dedicated group of colleagues who compile the newsletter at regular intervals. We are thankful to Dr. Kiran Jangra, Associate Professor in the Division of Neuroanaesthesiology at PGIMER, Chandigarh, for agreeing to take up the responsibilities with two more colleagues, Drs. Navneh Samagh and Sangeetha RP. The newsletter will carry a new name, 'ISNACC eNews'. The Secretariat has started working on new reforms as per current requirements. One such critical area is e-Education. The COVID-19 pandemic has opened new horizons, and e-learning has now become part of the educational activities at each level. Taking advantage of this platform, ISNACC has started focusing on regular online teaching programs. The aim is to reach all corners of the country where people can get in touch with the experts in the speciality while sitting in their own places. The teaching and learning activities include webinars, clinical case discussions, video sessions, problem-based learning, and CMEs; these are now being regularly conducted under the banner of 'ISNACC e-Education'. These programs are primarily targeted at the MD/DNB, DM/DrNB students, and Fellows in Neuroanaesthesia and Neurocritical Care to bring equality in the teaching standards. Nonetheless, everyone who practices Neuroanaesthesia or Neurocritical Care benefits. We have received an overwhelming response to these educational activities from all over the county and other parts of the world, especially the SAARC nations.

The postdoctoral fellowship (PDF) courses accredited by ISNACC have gained immense popularity, and over 20 institutes all over India are conducting these courses. For the first time, a centre from overseas, Brunei Neuroscience Stroke and Rehabilitation Centre (BNSRC) at Brunei, has also been accredited to start PDF in Neurocritical Care. The Secretariat is currently in the process of formation of a college to include various courses under its aegis. Initial discussions in this regard were made at the recently concluded midterm meeting of the ISNACC Governing Council. It is also exciting to see that many CMEs and workshops on Neuroanaesthesia and Neurocritical Care are being conducted in different parts of the country with a large



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participation of delegates. The Society has endorsed many such programs in the recent past to encourage the spread of the message of ISNACC.

The Secretariat, in consultation with the Governing Council of the Society, has formed new committees to bring further reforms, particularly in the constitution, education, and research. The website is being redesigned, and new features are being added to improve the security of membership data. Other works of the Society are underway, including preparations for fellowship exit exams, preparations for the 24<sup>th</sup> Annual Conference of the ISNACC (ISNACC 2023), and the conduct of online elections. Efforts are being made to improvise the election process for the various posts of office bearers from the coming session.

Members are the backbone of any Society, and our membership is growing steadily, reaching nearly 900 members now. All members are requested to encourage our colleagues interested in neuroanaesthesia and neurocritical care to take membership of the ISNACC.

Join us in large numbers to participate in the ISNACC 2023 at AIG Hospitals during 20-22 January 2023 at Hyderabad; this is the first physical meeting of the Society following the COVID-19 pandemic. But, before that, we look forward to welcoming you to the 3<sup>rd</sup> Annual Conference of the Neurocritical Care Society of India (NCSI 2022) at Pride Plaza, Aerocity, New Delhi, scheduled from 7<sup>th</sup> to 9<sup>th</sup> October 2022. Best Wishes!



**Girija Prasad Rath, MD, DM**  
ISNACC Secretary



**Gyaninder Pal Singh, MD, DM**  
ISNACC Treasurer



# Editor's Message

Greetings from the ISNACC e-News Team!

I would like to thank the Secretariat for having a vision of periodic publication of "ISNACC e-News". Currently, we are planning to publish it quarterly. Dr. Navneh Samagh (Associate Professor, AIIMS Bathinda) and Dr. Sangeetha RP (Assistant Professor, NIMHANS Bengaluru) are the enthusiastic assistant editors of the ISNACC e-News. The aim is to bring to light the various activities of our Society and affiliated organizations for the benefit of ISNACC members. Besides this, an attempt has been made to include some new columns in the newsletter such as puzzles, interesting cases, and new inventions in the current issue.

This newsletter includes the reports of the e-education subcommittee which includes the webinars and case discussions conducted by the society. The reports of various educational activities conducted by other organizations which are endorsed by ISNACC society are also included in the current issues.

The society also provides grants to the members for conducting research, presentations on international platforms, and for organising conferences. The details of various grants are also included in the newsletter.

There is no limit to learning and it becomes more interesting if it comes with playful activities. Hence we included a crossword puzzle in this issue to stimulate the neurons of the readers. The results will be announced in the subsequent issue and the winners will be decided on a first-come-first-serve basis.

The patient profile and type of surgeries vary from place to place due to logistical issues. Hence, we have included interesting/challenging cases in our newsletter for enhancing our clinical knowledge. It will also make us more aware of the clinical work done at various places in India.

Currently, we are having a huge range of technical tools but there may be certain loopholes that prohibit their use in many places. The most common is the cost of the equipment. The new inventions will inspire our society members for developing new tools or techniques that are affordable and suitable for our population.

As members of the ISNACC family, we look forward to your support, encouragement, and constructive input for the betterment of the subsequent issues.

Many thanks and hope you benefit and enjoy glancing at the current issue.



**Kiran Jangra, MD, DM**

Kind Regards,  
**Kiran Jangra, MD, DM**



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# Society corner

## Reports

### ISNACC e-Education Activities

Indian Society of Neuroanaesthesiology and Critical Care (ISNACC) has taken a step forward by initiating online education. ISNACC e-Education Program is an online academic activity that has been started with the sole purpose of teaching and bringing uniformity in the practices of Neuroanaesthesia, Neurocritical care, and Neurotrauma. Around two activities like webinars, case presentations, video sessions, journal club, etc. are being conducted every month. Besides this many educational activities are being conducted by other organizations and these are endorsed by ISNACC. One of the members of the ISNACC Education Committee takes a lead and is designated as the coordinator for each such activity who works in association with other Education Committee members to conduct the sessions. Along with that, a half-day CME was also conducted for the nursing officers working in neurocritical areas. This was a stepping-stone for the holistic care of critically ill neurosurgical patients. A health screening camp was organized in Guwahati for screening the patients for potential risk factors for stroke.

The reports of various educational activities are as follows:

#### 1. ISNACC Webinars

Ankur Khandelwal, MD, DM

Associate Professor, Department of Anaesthesiology, Critical Care & Pain Medicine, AIIMS, Guwahati

The ISNACC e-Education began its journey on 3<sup>rd</sup> June 2022 with its 1<sup>st</sup> webinar on two topics: i) Supratentorial topography and perioperative clinical implications, and ii) Infratentorial topography and perioperative clinical implications. Since then it has become a regular event and 2 more webinars have been conducted one on 17<sup>th</sup> June 2022 and another on 1<sup>st</sup> July 2022 on important topics like Cerebral physiology & perioperative clinical implications, Cerebral autoregulation: assessment and applications, Spinal cord topography & perioperative clinical implications, and Neural tube defects and anaesthetic implications. All three webinars conducted so far have received overwhelming responses and encouraging feedback. The target audience for these webinars is primarily junior and senior residents working at various institutes and hospitals across



the country. However, faculty members and consultants also attend and participate with equal enthusiasm. The talks are delivered by faculty having substantial teaching experience and/or expertise in the field. The senior faculty members moderate these webinars and enrich the sessions by adding from their vast experience. Participants are free to interact through Chatbox or by putting their queries/ questions/suggestions at the end of each talk. Intermittently, questions are put to the audience related to the topic being discussed and then displaying the results of the Quiz which makes the sessions more interesting. Beginning from the basics of anatomy and physiology, and other basic topics, the forthcoming webinars will include clinical topics. Moreover, based on constructive feedbacks and demand from the audience, changes would be done from time to time so as to meet the expectations of the participants.

## 2. Clinical Case Discussions

Ankur Luthra, MD, DM

Associate Professor, Department of Anaesthesiology & Intensive Care, PGIMER, Chandigarh

The clinical case discussions are being organized under the aegis of ISNACC by the e-Education subcommittee. These discussions are initiated as the mock exam case discussion for the residents of the Neuroanaesthesiology and Neurocritical Care speciality. The target audiences are MD (Anaesthesiology), DM and DrNB (Neuroanaesthesiology and Critical Care) residents, and clinicians practicing neuroanaesthesia.



The case discussion was conducted on 15<sup>th</sup> July 2022, moderated by Dr. Ankur Luthra, Associate Professor, at the Department of Anaesthesia and Intensive Care, PGIMER, Chandigarh on “Anaesthesia Considerations for Intracranial Aneurysm Clipping” presented by Dr. M. Mahendranath, Senior Resident from the Department of Neuroanaesthesia and Neurocritical care at NIMHANS, Bengaluru through an online module. It was chaired by the highly experienced faculties in neuroanaesthesia, Prof. VJ Ramesh, Department of Neuroanaesthesia and Neurocritical care at NIMHANS, Bengaluru, and Dr. Zulfiqar Ali, Additional Professor, Division of Neuroanaesthesia and Critical care, SKIMS, Srinagar. More than 300 participants attended the discussion from all over the country. There was the active participation of the students through the chat box. The queries from the attendees were addressed by the moderator at the end of the session. Besides residents, various faculty members and consultants also attended and participated in the discussion. In this session, we discussed the pathophysiology of the disease, preoperative preparation, intraoperative management, and postoperative ICU care management of patients with acute SAH following rupture of intracranial aneurysm.

In the future, we are planning to include other cases which are routinely encountered or/and are asked in the examination. The senior residents from various other institutes will be presenting the cases and senior faculties will be moderating the discussion.



### 3. Neuro-Nursing CME

Ankur Khandelwal, MD, DM

Associate Professor, Department of Anaesthesiology, Critical Care & Pain Medicine, AIIMS, Guwahati



The Indian Society of Neuroanaesthesiology & Critical Care (ISNACC) organized and successfully conducted the CME (virtual) on “Care of the Neurologically Injured Patients” on 7<sup>th</sup> August 2022. The target audience for the CME was nursing officers involved in the care of neurologically injured patients.

The organizing chairman of the CME, Dr. Rajshree Deopujari (President, ISNACC) inaugurated the session and addressed the meeting with an encouraging speech. After that, Dr. Ankur Khandelwal, the organising secretary, welcomed all the speakers and delegates and coordinated the scientific session as per the schedule. Ten experienced faculty members from various top institutes and hospitals from India delivered didactic lectures on important topics relevant to nursing care in Neuro-intensive care units. The lectures included basics of intracranial pressure by Dr. Rajeeb Kumar Mishra, red flags & clinical neuromonitoring by Dr. Sweetha S. Mohan, airway, breathing and circulation by Dr. Sharmishtha Pathak, analgesia & sedation by Dr. Neeraja Ajayan, basics of fluid and blood therapy Dr. Kaustuv Dutta, basics of nutrition by Dr. Jayanth R. Seshan, glycemic management by Dr. Keta Thakkar, positioning: key concepts by Dr. Nidhi Singh, thermoregulation and temperature management by Dr. Dona Saha and Thromboprophylaxis by Dr. Hirok Roy. The lectures were brief, informative, and tailored to the need of the target audience. Around 700 nursing officers participated by direct login on a virtual platform, while many other institutes and hospitals arranged for live streaming of events on large screens where



the nurses attend the CME in groups. The CME received an overwhelming response from all corners of the country including the armed forces of India and from many SAARC nations. The entire CME was recorded and on repeated request from many participants, it will now be made available on the ISNACC website ([www.isnacc.org](http://www.isnacc.org)) for all to revisit it whenever required particularly for those who could not attend the CME for any reason. The meeting ended with a note of thanks by the organising chairman to all the delegates who not only attended the meeting but actively participated in the discussion with the faculty through the chat box by asking their queries. Dr. Deopujari also thanked all the faculty members for their excellent presentations and for taking out time for this event. She appreciated ISNACC's endeavor for such academic activities for the allied specialities and congratulated everyone on the grand success of this event. Finally, the organising secretary Dr. Khandelwal echoed the same words and ensured that more such activities would be planned in the future in congruence with the ISNACC mission to promote education.



# ISNACC Endorsed programs

## 1. Health Screening and Awareness Program: ISNACC endorsed program

Ankur Khandelwal, MD, DM

Associate Professor, Department of Anaesthesiology, Critical Care & Pain Medicine, AIIMS, Guwahati



Indian Society of Neuroanaesthesiology and Critical Care (ISNACC) collaborated with the Department of Community and Family Medicine, All India Institute of Medical Sciences (AIIMS), Guwahati, and conducted two days Health Screening and Awareness Program on 30<sup>th</sup> and 31<sup>st</sup> May 2022 on the occasion of International Stroke Awareness Month, High Blood Pressure Education Month and No Tobacco Day (31<sup>st</sup> May) at AIIMS, Guwahati. This was for the first time ISNACC conducted a community-based program.

The target group for screening was construction workers of all levels working at AIIMS, Guwahati as these were considered to be at high risk for hypertension and other



lifestyle diseases along with alcohol and tobacco addiction. Apart from the brief clinical history and anthropometric examination, the workers were assessed for the risk factors such as hypertension, diabetes, tobacco, alcohol addiction, etc. Those who were found to have high blood pressure and sugar levels were advised to undergo further treatment and follow-up.

An awareness desk was also set up to promote awareness of the risk factors and clinical manifestations associated with non-communicable diseases like stroke, hypertension, and diabetes. These were done both through verbal descriptions and self-explanatory infographics. Also, workers were informed and counseled about the ill effects of alcohol and tobacco consumption. Near about 350 workers participated in this program.

## 2. SKIMS Neuroanaesthesia PG Assembly:

Zoya Sehar, MD

Senior Resident (DrNB)

SKIMS Srinagar

Ayman Masod, MD

Senior Resident (DrNB)

SKIMS Srinagar

The First Postdoctoral Assembly was organized by the Division of Neuroanaesthesia and Critical Care at Sheri-I-Kashmir Institute of Medical Sciences, Soura, Srinagar on 6<sup>th</sup> and 7<sup>th</sup> August 2022. The 2-day post-doctoral assembly was attended by DM and



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DrNB Neuroanaesthesia students from various institutes across the country. The lectures were delivered by faculty members on various important aspects of neuroanaesthesia and critical care.

The Assembly started with a welcome address by Dr. Zulfiqar Ali, Additional Professor at 8 am on 6<sup>th</sup> August, emphasizing the need for conducting such educational programs. It was followed by a talk on the “Neurological examination and History taking” by Dr. Hilal Ahmad Ganie. Dr. Kiran Jangra from PGI Chandigarh delivered a lecture on anaesthetic management in supratentorial tumour surgery. Dr. Lakshmann Reddy from Apollo hospitals Hyderabad delivered a lecture on anaesthetic management in posterior fossa tumour s. Dr. Joseph Monteiro from Hinduja Hospital Mumbai delivered a lecture on the management of aneurysmal surgery. Dr. Charu Mahajan from AIIMS New Delhi delivered a lecture on pituitary macroadenoma and its anaesthetic implications. Dr. Ankur Luthra from PGI Chandigarh talked about anaesthetic management in functional neurosurgery. Dr. Kiran Jangra also spoke in detail on anaesthetic management in surgery for CVJ anomaly. A brief inaugural function was conducted at around 12 pm with Director SKIMS and EOSG Prof P A Koul and Dean SKIMS Prof Tariq A Gojwari as Chief guests. Both, the Director SKIMS and the dean SKIMS congratulated the division of neuroanaesthesia for their work and arranging the CME.

The other talks that were covered on day 1 were Myasthenia Gravis (Dr. Saurabh Anand), Guillian barre syndrome (Dr. Saurabh Anand), Stroke (Dr. Vasudha Singhal), AV malformation (Dr. Joseph Monteiro), cerebral venous thrombosis (Dr. Kiran Jangra). The next day, the event started at 8 am with neuromonitoring delivered by Dr. Saurabh Anand. Emphasis was put on the Transcranial doppler and at the end of the lecture, delegates were given a hands-on practice to do it. A talk on Pediatric neurosurgery and its anaesthetic implications was delivered by Dr. Monica Tandon from GB Pant Hospital New Delhi. Dr. Ankur talked about spine surgery and brain abscess. Various drugs and equipments used in neuroanaesthesia and their importance were specified by Dr. Charu Mahajan. An extensive talk on Traumatic Brain Injury was delivered by Dr. Vasudha Singhal. Dr. Shumayla talked about neuroradiology. Dr. Hilal gave a lecture on EEG and its importance in neurocritical care. The role of the Transthoracic Echo and Transesophageal echo was specified by Dr. Kiran Jangra and delegates were given to do the hands-on. The 2-day assembly concluded with a vote of thanks by Dr. Zulfiqar Ali.

### **3. JIPMER Neuroanaesthesia CME**

Ankita Dey, MD, DM

Assistant Professor, Department of Anaesthesiology & Critical Care  
AIIMS, Bathinda

A full-day neuroanaesthesia CME and neuromonitoring workshop was organised by the department of Anaesthesiology and Critical Care, JIPMER, Puducherry on 21<sup>st</sup> August, 2022, under the aegis of Indian Society of Neuroanaesthesiology and Critical Care (ISNACC) and Indian Society of Anaesthesiologists (ISA), Puducherry branch



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Care (ISNACC) and Indian Society of Anaesthesiologists (ISA), Puducherry branch. Dr. Prasanna Bidkar, Professor of Anaesthesiology and in-charge of the division of Neuroanaesthesiology, JIPMER and Dr. Srinivasan, Additional Professor, Department



of Anaesthesiology, JIPMER were the organising chairperson and the organising secretary respectively. One hundred and twenty delegates from all over Tamilnadu attended and actively participated in the CME. The scientific schedule was designed in order to cater to residents pursuing postgraduation in anaesthesiology. After an introduction to neuroanaesthesia by Dr. Prasanna Bidkar, the scientific program commenced with didactic lectures on areas encompassing neurophysiology, neurotrauma, neurocritical care, perioperative management of posterior fossa and cervical spine surgeries as well as an overview of anaesthetic considerations for intraoperative neuromonitoring by eminent faculty members from CMC Vellore, NIMHANS, Vikram hospital (Bengaluru), MGM healthcare (Chennai), Cleveland Clinic (Abu Dhabi) and AIIMS, Bathinda. Four workshops on transcranial doppler, target-controlled infusion (TCI) systems and EEG monitoring, NIRS and ICP monitoring, and depth of anaesthesia monitoring were conducted in the afternoon, which witnessed an enthusiastic involvement of the faculty and the delegates alike. The CME proceeded smoothly and concluded on time and hopefully provided insights into the fascinating world of neuroanaesthesia.

*Conference grant: This meeting received ISNACC CME grant*



# ISNACC Grants

## ISNACC Research Grant

SNACC awards research grants to suitable candidates to carry out clinical research in the field of Neuroanaesthesia and Neurocritical Care in India. The last date for submission of the application is December 31. A fixed sum of Rs. 50,000/- will be awarded to the two candidates per year who fulfill the following criterion:

- Should be a life-member for more than a year at the time of application.
- He/she should not have availed the grant from ISNACC in the previous 2 years.
- Should provide a copy of the Ethics Committee approval and the protocol (both soft and hard copy)
- The candidate must provide the estimated expenditure details along with the application.
- Financial assistance from other sources must be disclosed.
- The proposal would be scrutinized by the education committee of ISNACC and its decision would be final.
- Should complete the study within 2 years of obtaining the grant and must produce the statement of expenditure.
- Should present the results of the research at the Annual Conference of ISNACC in the same year as the completion of the study or within one year of completing the study.
- Should acknowledge ISNACC as the funding source in all forms of presentation/publication

The form can be downloaded from: [https://www.isnacc.org/er\\_grant\\_applications](https://www.isnacc.org/er_grant_applications)

## ISNACC Travel/ Visit Grant

ISNACC provides Travel/ Visit Grant to suitable candidates to either visit one of the premier Neurosciences (Neuroanaesthesiology) Centres abroad or to present scientific paper(s) in an International forum.

The last date for submission of the application will be July 31 and December 31.

A fixed sum of Rs.25,000/-will be awarded to candidates who must fulfill the following criteria

- Should be a life-member for more than a year at the time of application.
- He/she should not have availed the grant from ISNACC in the previous 2 years.
- Should provide a copy of the Ethics Committee approval and the protocol (both soft and hard copy)



- The candidate must provide the estimated expenditure details along with the application.
- Financial assistance from other sources must be disclosed.
- The proposal would be scrutinized by the education committee of ISNACC and its decision would be final.
- Should complete the study within 2 years of obtaining the grant and must produce the statement of expenditure.
- Should present the results of the research at the Annual Conference of ISNACC in the same year as the completion of the study or within one year of completing the study.
- Should acknowledge ISNACC as the funding source in all forms of presentation/publication

The form can be downloaded from: [https://www.isnacc.org/er\\_grant\\_applications](https://www.isnacc.org/er_grant_applications)

### Recipient of ISNACC Travel Grant 2022



Aparna Depuru, MD  
Senior Resident, PGIMER, Chandigarh



### ISNACC Conference/ CME Grant

The Society has decided to sponsor the CMEs in tier II and tier III cities to popularize Neuroanaesthesia and Neurocritical care. The society will sponsor up to a maximum of Rs 25,000/- for two applicants each year.

- The applicant should be a member of ISNACC for at least two years
- The CME should be in the broad field of neuroanaesthesia and Neurocritical care
- The ISNACC society should be acknowledged for the sponsorship in all forms of advertisements
- The ISNACC society logo should be there on the backdrop
- At least two ISNACC members should be the faculty
- In the end, two photographs and a brief report of the meeting should be sent to the ISNACC Secretariat



# Conference Report of SNACC 50th Annual Meeting

After a gap of two long years due to the Covid-19 pandemic, the 50<sup>th</sup> SNACC Annual Meeting (SNACC 2022) was organized in person at Seattle, Washington on September 8-10 this year. The academic activity on the first day of the meeting started with the ICPNT EEG symposium. The symposium was moderated by Dr. Paul Garcia. Drs Odmara Barreto Chang, Matthias Kreuzer, Alexander Papangelou, Cassandra Dean, James Blair, Morgan C. Graves, Vikas Chauhan, Nicolai Goettel, Kate Rosenblatt, and Shobana Rajan discussed the basics and clinical applications of EEG in of Neuroanesthesia and Neurocritical Care settings. The symposium was followed by a 'Basic Science symposium on Ketamine' moderated by Dr. Philip Vlisides; Drs. Boris D. Heifets, and Joseph Cichon discussed the uses and controversies of ketamine. This session was followed by an interesting ICPNT Workshop on Perioperative Brain Monitoring. Drs. Shobana Rajan, Chanhung Lee, and Deepak Sharma moderated this session. Workshop coordinators and speakers from different centers across the world contributed to this workshop: Drs. Vijay Tarnal (USA), Rafi Avitsian (USA), Audrey Tan (UK), Ricard Valero (Spain), David Highton (Australia), Girija Prasad Rath (India), Kevin Luk (USA), Abhijit Lele (USA), and Paul Garcia (USA). They discussed neuromonitoring modalities and their applications in different clinical settings. The last session of the day included a workshop on patient safety moderated by Dr. Abhijit Lele. The day concluded with a gala dinner with much fun and fare.



Surya Kumar Dube, MD, DM  
Department of  
Neuroanaesthesiology and  
Critical Care  
AIIMS, New Delhi



L-to-R: Surya K Dube, Girija P Rath, Hemant Bhagat, Aparna Depuru



Gala Dinner at Seattle Aquarium  
L-to-R: Vikas Chauhan, Hemant Bhagat, Girija P Rath, Deepak Sharma, Tumul Chowdhary

On the second day, the meeting started with four PBLDs on 'Anaesthetic considerations for intraoperative MRI', 'Angling for success in paediatric posterior spinal fusion', 'Enhanced recovery after surgery and Neuroanesthesia', and 'How to create and moderate a PBLD'. Each PBLD was of one-hour duration and had the active participation of the moderators and participants. The participants got an



opportunity to know certain practical tips about each of the topics. The keynote lecture for this meeting was delivered by Dr. George Mashour on Consciousness which was very informative. The session on “Women in Neuroanesthesiology and Neuroscience Education and Research (WINNER)” focused on “Women and Stroke” presented by Dr. Louise Mccullough; Dr. Laurel Moore moderated this session. This session was followed by virtual abstract presentations. Post lunch session on the second day had an interesting panel discussion on 50 Years of SNACC: Scientific Milestones, A Proud Past, and a Promising Future moderated by Dr. Chanannait Paisansathan. Renowned speakers including Drs. Arthur Lam, Adrian Gelb, Deborah Culley, Andrew Kofke, and Jeffrey J. Pasternak shared their views with the audience. The subsequent session was a Pro-Con Debate on ‘Spinal Anaesthesia for Spine Surgery’ moderated by Dr. Val Luoma; Drs. Jason Chui and Shaun Gruenbaum discussed in detail the subject matter. The last session of the day the Neuroanaesthesia Classroom and trainee engagement committee reception was moderated by Dr. Alexander Papangelou and there were some interesting presentations by Drs. M Morano, Shobana Rajan, Tumul Chowdhury, Cassandra Dean, and Kamilla Esfahani. The day ended with a Fundraiser Dinner which provided an excellent opportunity for interaction between the participants.

The third day began with virtual abstract presentations. The first general session of the day “Messy subject of real-world cognition after surgery: NCD and beyond!” by Dr. Elizabeth L. Whitlock provided an excellent insight into the neurocognitive disorder. The next interesting Clinical Science Symposium on Concussion was presented by Drs. Monica Vavilala and Arney Abcejo. It was followed by a lecture by Dr. Monica Vavilala titled “National Academies of Sciences, Engineering, Medicine for TBI” which provided valuable information about the ongoing research in the field of traumatic brain injury.

In the business meeting, the new board members were introduced and Dr. Alana Flexman took over as the president of SNACC from Dr. Chanannait Paisansathan. In this meeting, the joint society travel awards and the John D. Michenfelder new investigator awards were presented. Dr. Punith Gowda of PGIMER, Chandigarh got the ‘SNACC/ISNAC Joint Abstract Award’ this time. Dr. Leah Acker received the prestigious William L. Young Neurosciences Research Award for his research work on ‘Lipids as proto-drugs for the treatment of strokes. Drs. Jane Easdown and Karen Domino received the ‘Teacher of the Year- Lifetime Educator Award’ and ‘Distinguished Service Award’, respectively.

Two post-lunch sessions namely ‘Best of Science Symposium’ and ‘JNA Year in Review’ were moderated by Dr. Max Kelz, and Drs. Alana Flexman and Jeff Pasternak, respectively. Dr. David Warner was remembered in a memorial meeting where Drs. Michael Todd, Miles Berger, and Luke James discussed his persona and his contributions to the scientific world. The final event of the meeting was the Neuroanaesthesia Quiz conducted by Drs. Jacqueline M. Morano, Shobana Rajan, and Tumul Chowdhury. Both the second and third days had virtual poster discussions where delegates from various parts of the world presented their research work. Finally,



the meeting concluded with closing remarks by Dr. Alana Flexman, the new president of SNACC.

This time ISNACC's participation in the 50<sup>th</sup> SNACC annual meeting was very encouraging. The ISNACC Secretary Dr. Girija Prasad Rath was elected and took charge as the Secretary-Treasurer of the SNACC. Dr. Tumul Chowdhury was elected as one of the Director-at-Large in the SNACC Board of Directors (BOD). Past President of SNACC Dr. Deepak Sharma's successful completion of tenure was acknowledged by a standing ovation by the members during the business meeting. Other overseas ISNACC members who took part in the meeting included Drs. Vikash Chauhan and Sagar Jolly. From India, the ISNACC members who participated in the meeting were Drs. Hemant Bhagat, Aparna Depuru, and Kiran Jangra (virtually) from PGIMER, Chandigarh, Drs. Girija Prasad Rath and Surya Kumar Dube from AIIMS, New Delhi, and Dr. Ramya (Virtually) from SUM Hospital, Bhubaneswar. All of them presented their scientific papers in the meeting and actively participated in the academic discussion.

## 2022 Board of Directors Election Winners



Girija Prasad Rath, MD, DM  
Secretary-Treasurer



Tumul Chowdhury, MD, DM, FRCPC  
Director-at-Large, SNACC BOD

## 2022 SNACC/ISNACC Joint Abstract Award Winner



Punith Gowda, MD  
Senior Resident, PGIMER, Chandigarh

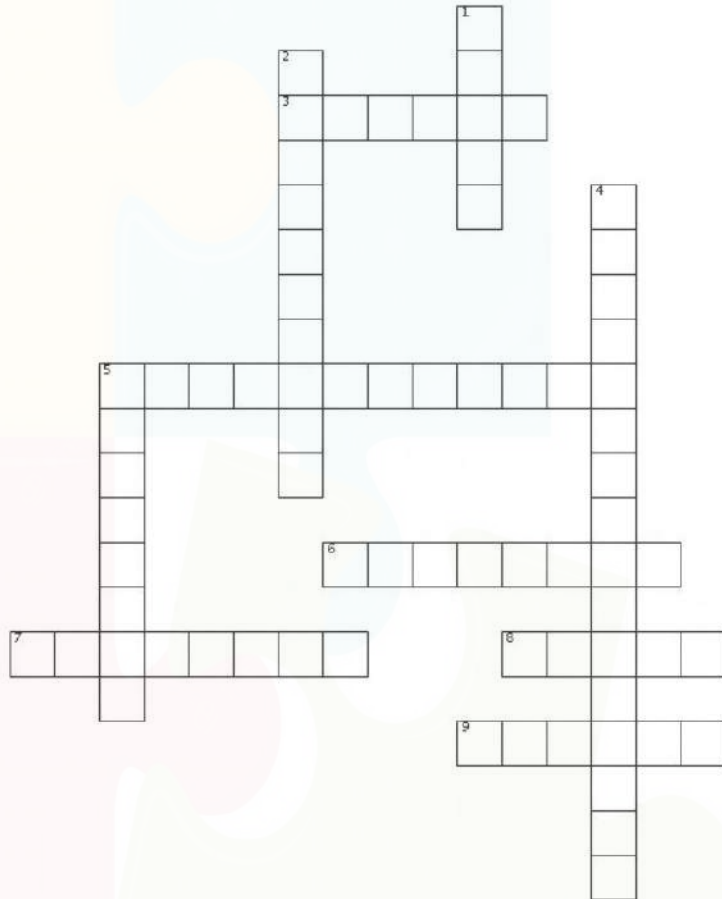


# Resident's Corner

## Scratch your brain ...

### ACROSS

3. This Japanese engineer who invented the pulse oximeter died in 2020 when its use was indispensable in the fight against the novel coronavirus
5. The centrally stimulated TCR is conveyed via the nucleus of the solitary tract to the lateral parabrachial nucleus. Likewise, the peripherally stimulated TCR is relayed primarily via the spinal nucleus of the trigeminal nerve to the \_\_\_ nucleus
6. Identify the neurosurgical patient position in image 5
7. The following findings on a CT perfusion scan (image 4) are suggestive of \_\_\_
8. The 5-point BAT score is a prediction model for intracranial hematoma expansion based on non-contrast computed tomography (CT). Here, B stands for \_\_\_
9. This named trial is one among the 3 landmark European clinical research trials that evaluated decompressive craniectomy for the management of malignant hemispheric infarction and cerebral edema



### DOWN

1. Spinal cord stimulators are absolute contraindications for MRI scans. Right or wrong?
2. Identify the procedure for which mask-based immobilization is carried out in the image 2
4. This recent US-FDA-approved neurosurgical interface in neuronavigation allows the surgeons to intraoperatively track the anatomies and surgical tools in real-time as if they have acquired “see-through” capabilities. Image 3 demonstrates the real-time superimposition of pre-operatively acquired CTA image on the microscopic view of the surgical target for intraoperative aneurysm localization
5. Identify the drug whose EEG signature is depicted in image 1

**PS: All images related to this crossword puzzle are on next page**



Image 1

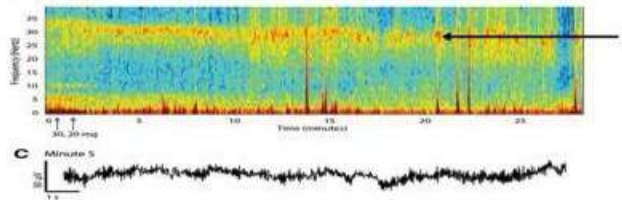


Image 2



Image 3



Image 4

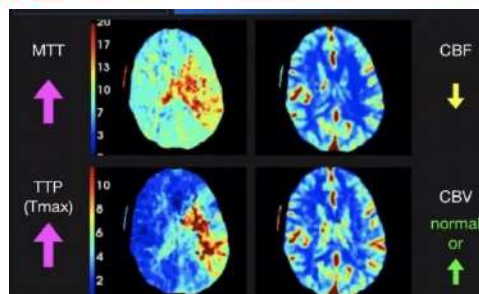
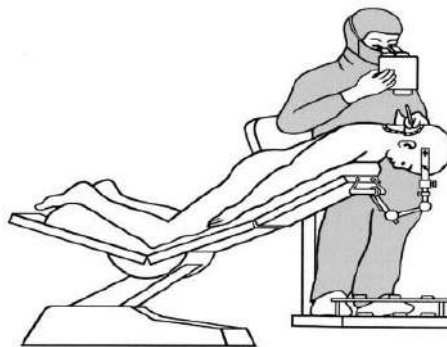


Image 5



Send the answers within a week's time to [isnaccenews@gmail.com](mailto:isnaccenews@gmail.com)  
The answers and winners will be announced in the next issue



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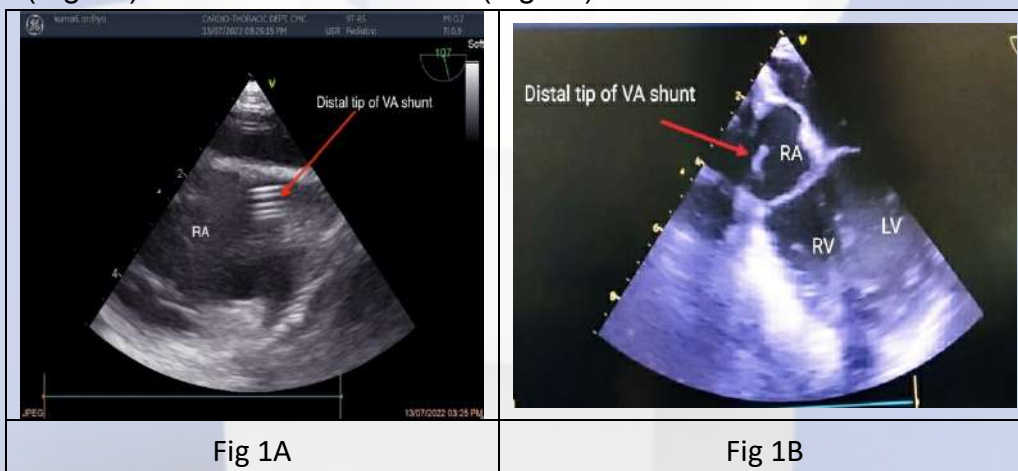
# Interesting Case

Ananth, MD  
Keta Thakkar, MD, DM.  
Georgene Singh, MD  
Sathish, MD  
Department of  
Neuroanaesthesia  
CMC, Vellore, Tamil  
Nadu



We highlight the significant role of transesophageal echocardiography (TEE) in the accurate placement of the distal end of ventriculoatrial (VA) shunt in a seven-year-old child. The patient was a known case of medulloblastoma who had undergone midline suboccipital craniectomy and thereafter a right parietal ventriculoperitoneal (VP) shunt twice due to obstructive hydrocephalus. She was planned for a ventriculoatrial shunt due to repeated shunt dysfunction. After establishing ASA standard monitors, general anaesthesia was administered as per the standard protocol. The paediatric TEE probe (Vivid *i* / Vivid *q*, GE medical system, Israel, Transducer model GE Multiplane 9T-RS, 4-10 Mhz) was carefully introduced till the 20 cm mark to obtain a midesophageal four-chamber and bicaval view.

After tapping the ventricle, the free flow of CSF from the distal end of the shunt tube was confirmed, which was then inserted into the right internal jugular vein (IJV) through an open surgical technique. The TEE was used to localize the tip of the shunt tube which was confirmed to be in the right atrium as visualized with the midesophageal bicaval (Fig 1A) and four chamber view (Fig 1B).



The TEE probe also helped in monitoring for venous air embolism during the procedure as the standard technique involves exposure and opening of the IJV. VA shunt placement is associated with potentially life-threatening complications primarily due to malposition. TEE facilitates a 2-dimensional visualization of the cardiovascular anatomy, continuous real-time and precise placement of distal tip of VA catheter, identifies possible venous air embolism, mitigates radiation exposure with the added safety of avoiding cardiovascular and neurological complications.<sup>1-3</sup>

With multiple benefits and hardly any risk to the patient, the TEE probe should be considered a standard of care during VA shunt placement.



# Achievements



## NIMHANS Bengaluru

Batch: 2019-2022, DM in Neuroanaesthesia & Neurocritical Care



Mouleeswaran S



Balaji V



Pramod K



Shymala N



Kunal Kumar

Batch: 2021-2022, PDF Neuroanaesthesia



Varnitha M S



Sandhya Rani SV





## AIIMS New Delhi

Batch:2019-2022, DM in Neuroanaesthesiology & Critical Care



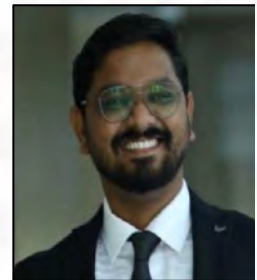
Swapnil Patel



Kali Charan Das



Arjun Balakrishnan



J S Rahul

Batch: 2021-2022, PDF Neurocritical Care



Binod Pegu



Raman Piplani



Milthi Manoj



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## JIPMER Puducherry

Batch:2019-2022, DM in Neuroanaesthesia



Ankita Dey

## SCTIMST Trivandrum

Batch:2019-2022, DM in Neuroanaesthesia



Aishvarya Shree N



Ashutosh Kumar



Salini R Varma

Batch: 2021-2022, PDCC Neuroanaesthesia



Sethulakshmi Prasad



Roshna C P



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## **AIIMS Bhubaneswar**

**Batch:2019-2022, DM in Neuroanaesthesiology**



**Dona Saha**

## **AIIMS Rishikesh**

**Batch:2019-2022, DM in Neuroanaesthesia & Critical Care**



**Konish Biswas**



**Sharmishtha Pathak**

## **AIIMS Jodhpur**

**Batch: 2020-2021, PDF Neuroanaesthesia**



**Ravindra Singh Chouhan**



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# Institute of Neurosciences Kolkata



Sandipa Sarkar



Subhajit Guha

2021-22, PDF (Neuroanaesthesia) 2018-21, DrNb (Neuroanaesthesia & Critical Care)

## Kokilaben Dhirubhai Ambani Hospital

Batch: 2021, PDF Neuroanaesthesia



Nupur Gupta

## Artemis Health Institute Gurugram

Batch: 2021-2022, PDF Neuroanaesthesia



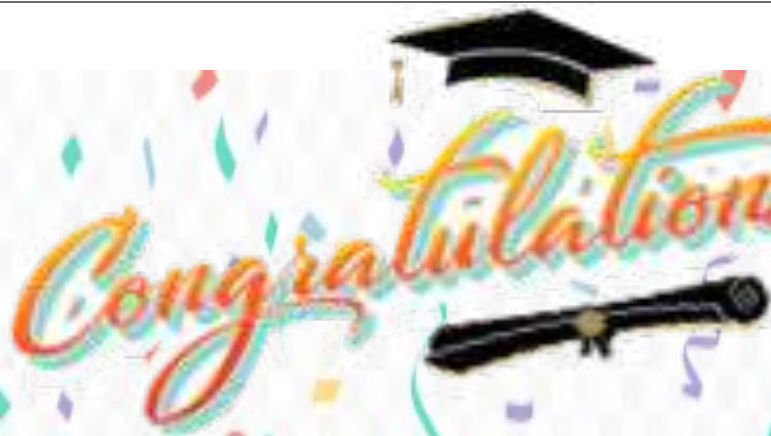
Seema JM



Agrima Sundriyal



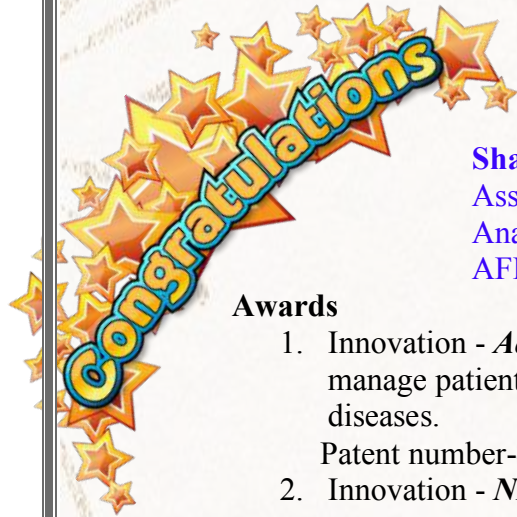
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NAME OF THE CANDIDATE	INSTITUTE
<b>MRUDULA KUDTARKAR</b>  <b>(BEST OUTGOING)</b>	Jaslok Hospital and Research Centre, Mumbai
<b>NILANCHAL CHAKRABORTY</b>	Institute of Neurosciences, Kolkata
<b>SANDIPA SARKAR</b>	Institute of Neurosciences, Kolkata
<b>AGRIMA SUNDRIYAL</b>	Artemis Hospital, Gurgaon
<b>SEEMA J M</b>	Artemis Hospital, Gurgaon
<b>RITIKA DESHWAL</b>	Fortis Memorial Research Institute, Gurgaon
<b>SHEENA CHAUDHARY</b>	Fortis Memorial Research Institute, Gurgaon
<b>NUPUR GUPTA</b>	Kokilaben Dhirubhai Ambani Hospital, Mumbai
<b>PRATHYUSHA AINDALA</b>	Yashoda Hospital, Secunderabad
<b>SYED ABDUR RAHMAN</b>	Yashoda Hospital, Secunderabad



# Awards, Honours, and Innovations



**Shamik K Paul, MD, DM**  
Associate Professor, Department of  
Anaesthesia and Intensive Care,  
AFMC, Pune



## Awards

1. Innovation - *Aerosol Isolation Retractable Canopy* to manage patients suffering from infections respiratory diseases.  
Patent number-402962.
2. Innovation - *NIV mask with feeding port*- patent filed

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**Rajeev Chauhan, MD, DM**

Associate Professor, Department of Anaesthesia  
and Intensive Care, PGIMER, Chandigarh



## Awards

1. Patent granted for '*Artificial manual breathing* unit operating device (RC Device)
2. "*Himachal Rattan*" award for exemplary service to the state from All India Conference of Intellectuals (AICOI).

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**Manisha Katikar, MD**

Consultant Anaesthesiologists and Intensivist In-charge  
Dept of Neuroanaesthesia and Neurocritical care  
Balwant Institute of Neurosurgery and Intensive Trauma Care,  
Solapur, Maharashtra



## Honour

**Dr. E G Tambe Oration at ISA Nagpur** on their Annual  
Conference on 12 June 2022  
Topic: Neuroanaesthesia my Odyssey

---

**Varun S, MD, DM**

Assistant Professor of Anaesthesiology  
Government T D Medical College, Alappuzha, Kerala

**Award:** The Best Young Anaesthesiologist Award - SAARC AA 2022



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# Information Corner

## Upcoming Meetings



Dept. of Neuroanaesthesiology & Critical Care  
AIIMS, New Delhi

*Presents*

**3<sup>rd</sup> ANNUAL CONFERENCE OF  
NEUROCRITICAL CARE SOCIETY OF INDIA (NCSI 2022)  
&  
AIIMS NEUROANAESTHESIA AND  
NEUROCRITICAL CARE UPDATE 2022**

**Workshop: 6<sup>th</sup>, October 2022  
Conference: 7<sup>th</sup> - 9<sup>th</sup>, October 2022**

**Theme: Emerging challenges and advances in Neurocritical Care**

Email: [ncsiaiims2022@gmail.com](mailto:ncsiaiims2022@gmail.com)

# From NCSI Organizing Secretary

**Keshav Goyal, MD, DM**  
Organising Secretary, NCSI 2022

NCSI 2022, A Reminder!

We are excited and busy planning what is sure to be an annual meeting to remember! The Annual Meeting Planning Committee is hard at work, planning our first in-person annual meeting of the Neurocritical care society (NCSI) and AIIMS Neuroanaesthesia and Neurocritical care (NANC) update since 2019, with every intent and effort to make it nothing less than a resounding success! This year's meeting will take place at the Pride Plaza Hotel, Aerocity, New Delhi from 7-9 October, 2022.



**Keshav Goyal, MD, DM**

Our keynote speakers are being finalized and we are delighted to announce that Prof Nicola Latronico will be delivering the Dr Umamaheshwara Rao oration. The 3<sup>rd</sup> NCSI and 8<sup>th</sup> AIIMS NANC update annual meeting attendees can expect four days full of innovative education and unique networking opportunities including:

- Hands on workshops covering almost all aspects of Neurocritical care in our settings
- Nursing symposium to be inclusive as a society
- In-depth education sessions covering the latest advances and challenges faced in neurocritical care today.
- Accomplished speakers poised to deliver relevant content on trending research and findings.
- Access to industry partners for an inside look at future medical advancements and technology.

The meeting will include a limited virtual component, with further details revealed shortly, but we strive to make this is truly an in-person event. This is our opportunity to meet, greet and interact (finally!) in a live setting. So, are you ready to “reconnect”? We can't wait to see you.

Register now! The 3<sup>rd</sup> Annual Meeting of the NCSI is at the Pride Plaza, Aerocity, New Delhi, on October 7-9, 2022. Do Save the dates!



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**24th ANNUAL CONFERENCE OF  
INDIAN SOCIETY OF NEUROANAESTHESIOLOGY  
& CRITICAL CARE**

**Save the Date**

**Workshop : 19th January, 2023**

**Conference : 20th, 21st, 22nd January, 2023**

**Venue : AIG Hospitals, Gachibowli, Hyderabad**

**REGISTRATION FEES**

Category	Early Bird (up to 15th May 2022)	Regular 1 (May 16th to Sep 30th 2022)	Regular 2 (Oct 1st to Dec 31st 2022)	Late (Jan 1st 2023 to spot)
ISNACC Member	8260 (7000 + 18% GST)	10620 (9000 + 18% GST)	11800 (10000 + 18% GST)	14160 (12000 + 18% GST)
Non-Members	10620 (9000 + 18% GST)	12980 (11000 + 18% GST)	14160 (12000 + 18% GST)	16520 (14000 + 18% GST)
Residents	4720 (4000 + 18% GST)	7080 (6000 + 18% GST)	8260 (7000 + 18% GST)	9440 (8000 + 18% GST)
Accompanying Person	3540 (3000 + 18% GST)	5900 (5000 + 18% GST)	8260 (7000 + 18% GST)	9440 (8000 + 18% GST)
Overseas	USD 200 (+ Taxes as Applicable)	USD 250 (+ Taxes as Applicable)	USD 300 (+ Taxes as Applicable)	USD 350 (+ Taxes as Applicable)

**Date : 19th January, 2023**

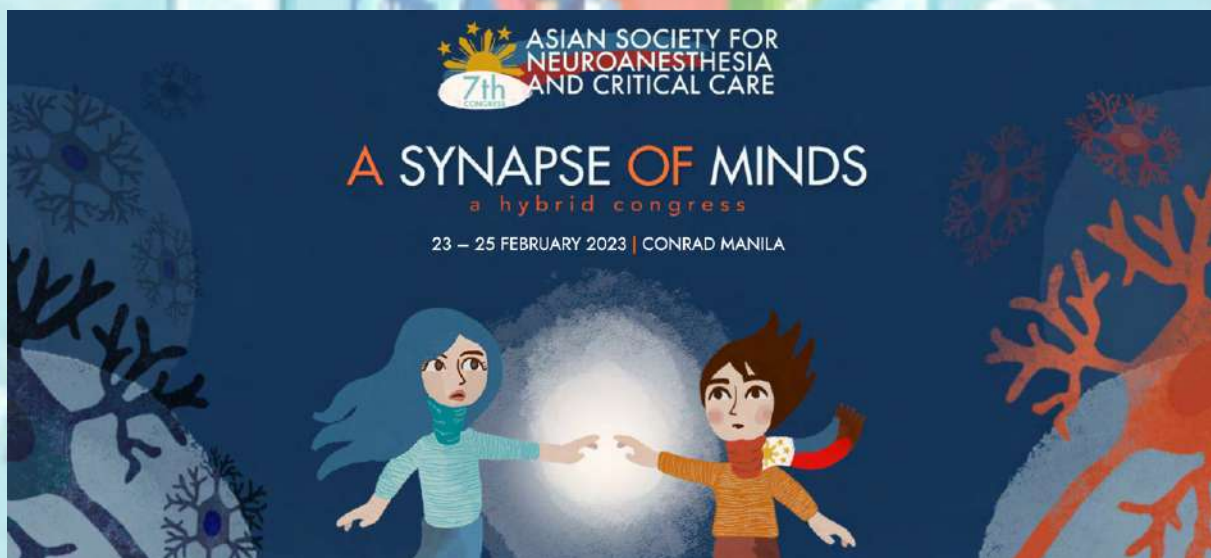
Workshop Number	Workshop Name
Workshop 1	Crisis Management in Neuroanaesthesiology
Workshop 2	Interventional Pain Management
Workshop 3	Neuromonitoring Modalities
Workshop 4	Neuroradiology





Save the Date

23 – 25 February 2023



## ABOUT ASNACC AND CONGRESS

The Asian Society for Neuroanesthesia and Critical Care (ASNACC) is a non-profit, scientific organization whose main thrust is the exchange of information in the fields of neurosciences, neuroanesthesia, and neurocritical care among its members in Asia. It was created following a proposal by Haekyu Kim from South Korea in 2004 during the 1st China-Japan-Korea Joint Symposium for Neuroanesthesia. The founding member countries include South Korea, Japan, China, India, Indonesia, and Singapore. The Philippines, Malaysia, Thailand, and Myanmar joined thereafter. The first Congress of ASNACC was held in Beijing, China in 2006, and has been a biennial event, the last being held in Nara, Japan in 2019.

The members comprise doctors from the fields of neuroanesthesiology and critical care. The goals of the Society include enhancing abilities in clinical practice in the field of neuroanesthesia and neurocritical care, enhancing research abilities in the field of neuroscience in Asia, and importantly to establish a forum for exchange of view among its members.



<https://7thasnacc.com/>



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Mumbai  
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