



♦♦♦♦Synapse♦♦♦♦

*The official Newsletter of the
Indian Society of Neuroanaesthesiology and Critical Care
ISNACC*

July 2013

Table of contents

1. From the Secretarial Desk.....	3
2. Presidential Message.....	5
3. Report of the 14th ISNACC conference.....	6
4. Report of the 2nd ASNACC conference.....	10
5. In conversation with.....Dr. Nidhi Gupta.....	11
6. Padharo Sa.....	13
7. Save the date.....	15
8. Joining the camp.....	16
9. Congratulations!.....	17
10. Achievements.....	18
11. Announcements.....	19
12. Office bearers 2013-14.....	20
13. Future meets.....	21

From the Secretarial Desk

Dear All

The year 2013 for Indian Society of Neuroanaesthesiology and Critical Care (ISNACC) started with numerous optimistic decisions taken at the General Body Meeting during the Varanasi conference (ISNACC 2013). The Society as a whole took few bold steps such as restricting the conference venues to those cities in India where Institute based neuroanaesthesia is being practiced. The objective is to further improvise the scientific deliberations apart from encouraging larger participation of anaesthesiologists who are interested for the subspecialty. The conference website is now centralised which is incorporated in the main website of the Society (www.isnacc.org). We are confident that such an exercise would lessen burden to the organisers of ISNACC conferences, both physically as well as financially. The scientific schedule for the upcoming conference is now ready, 10 months ahead of the scheduled event. We congratulate the organisers of ISNACC 2014 who worked in close tandem with the Scientific Committee of ISNACC, for this achievement. We hope the future organisers for the Annual Meeting would take a leaf from this upcoming mega event and enrich their scientific schedule further. ISNACC Secretariat is now encouraging evaluation of speakers for the Annual Conferences and development of a mechanism by which the percentage of scientific presentations (papers) genuinely published in different journals can be evaluated. The idea is to improve the quality of scientific presentations.

Our achievements!

A dream becomes a goal when actions are taken toward its achievement. The most notable achievement for the Society this year, however, is arrival of our much cherished dream, the 'Journal of Neuroanaesthesiology and Critical Care (JNACC)'. It is our proud privilege to announce that the first issue will be rolled out in the coming New Year '2014. We are reasonably sure that with Prof. P K Bithal, the founder Secretary of ISNACC at helm of affairs as Editor-in-Chief, this mouth-piece of Society shall reach its pinnacle in no matter of time. We appeal all members of ISNACC to enrich JNACC with their scientific accomplishments. Another achievement this year was the introduction of SNACC Panel in ISNACC conferences. Credits are due to Dr. Deepak Sharma (USA), whose tireless efforts made it possible for us to have a SNACC panel of renowned speakers for the upcoming conference in Jaipur. We sincerely hope to have a long association of this kind with SNACC. We are happy to inform the members that ISNACC is now an endorsing Society for EuroNeuro 2014, to be held in Istanbul, Turkey. Those planning to attend the meet can enjoy the benefits of members' registration for the conference. We look forward to a respectable representation of ISNACC in EuroNeuro 2014.

Goal Renewal

The future plan is to popularise the basics of neuroanaesthesia in smaller cities by encouraging formation of regional scientific bodies and supporting scientific activities of the existing local bodies, if any, and ensuring ISNACC representation at national and state - level anaesthesiology meetings such as zonal ISACON, RSACPCON etc. The neuroanaesthesiologists in Delhi and National Capital Region (NCR) have already taken few initiatives. Regularisation of quarterly neuroanaesthesia meet organised by different centres practicing neuroanaesthesia and plan to organise annual meet

From the Secretarial Desk.....

The Neuroanaesthesia Colloquium (TNC) are small steps in this direction. The TNC is tentatively scheduled for the month of September every year! Recently, few members of ISNACC in Delhi got an opportunity to organise a Neuromonitoring Workshop as a part of preconference scientific extravaganza during the Annual Meeting of ISA, Delhi-NCR Chapter. It was successfully organised under able leadership of Dr. Mary Abraham, Director Neuroanaesthesia at Fortis Hospital, Noida. We hope similar activities would be repeated, in future, in different parts of India. Expanding their horizons beyond the practice of neuroanaesthesia in operation theatres, the ISNACC members in Delhi-NCR also plan to organise pain camps as part of their duty and services towards the common man in the society.

The Secretariat is privileged to have enormous support of the office bearers and blessings and guidance of the senior members of ISNACC. When we took over the Secretariat, there were a lot of speculations and expectations from us. Sincerely hoping we have not disappointed anyone, we hope to continue serving the Society and its members during our tenure.

Join us to serve you better. It has been rightly said that 'Coming together is a beginning; keeping together is progress; working together is success.'

Happy reading!

Hemanshu Prabhakar
Girija P Rath

Share with us your experiences, achievements, or any other story of success!

Send us your entries at:
isnaccsecretariat@yahoo.in

Message from ISNACC *President*

Dear friends,

At the outset I would like to thank you for giving me the opportunity of serving as your President. It is the most precious gift that I have received since I started my tryst with Neuroanaesthesia 33 years back when I joined as RMO cum Clinical Tutor, Department of Neuroanaesthesia, Bangur Institute of Neurology, Kolkata.

Forming a Society of professionals in a Superspeciality in medicine is a Herculean job, which has been achieved successfully by the toil of our seniors. It is our sacred duty to keep the torch lighted by them, shining in glory and spreading its light far and wide. Neuroanaesthesia is a very time consuming, stressful, exacting, and sometimes depressing occupation. It is necessary to attract more and more sincere and dedicated anaesthetists to join this superspeciality so that its quality rises to greater heights.

To this end our Society is trying to inculcate greater interest in our members by offering an incentive in the form of financial assistance to candidates who intend to train in centres of excellence in the country, a token assistance if scientific papers are being presented in any foreign country and is also sponsoring scientific projects. The membership has increased appreciably, the quality of papers and presentations are comparable to any International standard and our members are being lauded in all National and International fora.

The greatest achievement this year is the launching of our Journal the JNACC. The tireless efforts of our young dynamic office bearers have made this possible. I, on behalf of all the members thank them profusely for this. I am sure the Journal will help in highlighting our speciality to the medical profession in general. The inclusion of the SNACC panel in our annual Conference is another feather in our cap.

To end on a lighter vein, I take this opportunity of introducing to you, the Neurosurgeon who will be your constant companion for years and years till you retire. Three decades and more in the company of that special kind of humans that God specially created – ‘His gift to human kind’ – the ‘Neurosurgeons’ (that is what they feel about themselves) is worse than being in a Nazi concentration camp. That I have survived and am still sane ‘alive and kicking’ is a wonder and proves that they are after all a ‘Bunch of Jolly good fellows.’

Wishing all of you happy reading of the Synapse

Long live ISNACC!

Jai Hind!

Amna Goswami



Minutes of the 14th Annual Conference of ISNACC, Varanasi

8th - 10th February 2013

The 14th Annual Conference of Indian society of Neuroanaesthesiology and Critical Care (ISNACC-2013) was held at Varanasi during 8th Feb 2013 to 10th Feb 2013. It was organized by the Department of Anaesthesiology, Institute of Medical Sciences, Banaras Hindu University (BHU), Varanasi, under the stewardship of Prof. L.D.Mishra (Organizing Secretary and Convener). The theme for the conference was "Technological advances in neuroanaesthesiology and critical care" which was very relevant in the present scenario. Over 125 delegates from India and abroad attended the meeting.

The conference started with the workshop on "Transcranial doppler monitoring" which was conducted by Dr. Hemanshu Prabhakar [All India Institute of Medical Sciences (AIIMS), New Delhi] and Dr. Devendra Gupta [Sanjay Gandhi Postgraduate institute (SGPGI), Lucknow]. The participants had the opportunity to have the hands-on on the subjects and insomate the intracranial vessels. Another workshop on "Intracranial pressure monitoring and cerebral oxygen monitoring" was conducted by Dr. Bhadri Narayan [National Institute of Mental Health and Sciences (NIMHANS), Bengaluru], Dr. H K Venkatesh [BGS Global Hospitals, Bengaluru] and Dr. Sriganesh K [NIMHANS, Bengaluru]. Both the workshops were very well appreciated by one and all who attended it.



Dr Devendra Gupta [SGPGI, Lucknow] conducting workshop on transcranial Doppler

Post lunch session of the first day began with the continuous medical education (CME) program. The first lecture of this session was on "Role of tranexamic acid in controlling hemorrhage" by Dr. Shashi Srivastava (Lucknow). This was followed by three more lectures on "Oxygen therapy in head trauma patients" by Dr. Hemangi Karnik (Mumbai), "Guidelines for brain death" by Dr. Amna Goswami (Kolkata) and "Cerebral perfusion pressure in neurotrauma: what is optimum?" by Dr. Smita Sharma (Mumbai). Next session began with a lecture by Dr. JN Monteiro (Mumbai) who discussed on "Anaesthetic issues in cervical spine surgery", followed by lecture on "Anaesthesia for awake craniotomy" by Dr. Arvind Chaturvedi (New Delhi). Dr. Katherine Gil (USA) elaborately discussed "Newer strategies and concerns during anaesthesia for epilepsy surgery". This was followed by lectures on "Deep brain stimulation: indications and anaesthetic concerns" by Dr. Rajshree Deopujari (Mumbai) and "Anesthesia for high risk cardiac patients undergoing neurosurgery" by Kolli Chalam (Bengaluru).

A formal inauguration ceremony was organized at the conference venue. This was presided by the chief guest for the occasion Padmashree Prof. (Dr) Saroj Chooramani Gopal. The event was conducted in the presence of several dignitaries on the dais such as Prof. (Dr) R G Singh [Director, Institute of Medical Sciences (IMS)], Prof Mandavi Singh (Dean, Faculty of Medicine; BHU), Dr. Parmod Bithal (President, ISNACC), Dr. L D Mishra (Organizing Secretary, ISNACC 2013), Dr. Hemanshu Prabhakar (Secretary, ISNACC) and Dr. Girija Prasad Rath (Treasurer, ISNACC). A cultural programme followed the inauguration.



The second day of the conference started with Oration lecture which was the highlight of the morning session. The Dr. Malathi Oration on “Role of female gender hormones in neuroprotection” was delivered by Yoram Shapira (Israel) and Prof. Gode Oration on “Venous air embolism in neurosurgery” by Dr. Parmod Bithal (New Delhi). This was followed by two parallel sessions. One session was on “Newer technologies in neuroanaesthesia and critical care” which includes lectures on “Advantages of newer technology use in clinical practice and research” by Dr. Hemant Bhagat (Chandigarh), “Cerebrovenous oxygen saturation: jugular bulb venous oxygenation” by Dr. Yoram Shapira (Israel), “Use of TEE in neuroanaesthesia and critical care” by Dr. Rupa Sridhar (Trivandrum), “Monitoring and therapeutic strategies for intraoperative spinal cord protection” by Padmaja Durga (Hyderabad), “Use of newer technologies in neuroanaesthetic practice” by Dr. Sergio Bergese (USA), “Xenon anaesthesia for neurosurgery-future prospects” by Kavita Sandhu (New Delhi) and “Thinking beyond material resources” by Dr. Rajiv Chawla (New Delhi). Another session titled “Research based practice forum” included lectures on “Conducting research in Anesthesiology” by Dr. P Amorim (Portugal), “Neuroprotection by scavenging of blood glutamate” by Alexander Zlotnik (Israel) and “Traumatic brain foundation recommendations” by Dr. Zulfiqar Ali (Srinagar). The forenoon session ended with a series of lectures on “Paediatric & Neonatal Neuroanaesthesia and Pain”. These included a talk on “Anaesthetic considerations in paediatric neurosurgery” by Dr. Girija Prasad Rath (New Delhi), “Anaesthesia for neuroendoscopic procedures in children” by Dr. Devendra Gupta (Lucknow), “Postoperative pain management following neurosurgery” by Dr. Monica Tandon (New Delhi) and “Neuralgias & neuropathies; What’s new?” by Dr. KJ Choudhary (New Delhi).



Dr. Malathi Oration on “Role of female gender hormones in neuroprotection” delivered by Dr. Yoram Shapira



Prof. Gode Oration on “Venous air embolism in neurosurgery” by Dr. Parmod K Bithal

Post lunch session on the day 2 began with lectures and discussion on “Head trauma”. Dr. Gyaninder Pal Singh (New Delhi) talked on the “Assessment of head injury patients” while “Fluid management in head injured patients” was discussed by Dr. Anju Grewal (Ludhiana). Dr. CK Pandey (New Delhi) spoke on “ICP monitoring in TBI: Does it improve outcome?” and Dr. Pragati Ganjoo (New Delhi) on “Perioperative complications in endovascular neurosurgery”. Dr. Bibhu K Das (Kolkata) highlighted the “Anaesthetic issues in patients with TBI”. Simultaneously, platform (free) paper presentations were arranged in which many delegates presented their research work and interacted with other members.

Following this, a General Body Meeting was held in the evening which was attended by all the delegates with great enthusiasm. In the meeting, many new suggestions were put forward by the members to expand the activities and improve the functioning of the society. Announcement regarding the formation of various committee (such as scientific committee, finance committee, education committee etc) to look into the different activities of the society was made. The possibility to start a scientific journal of the society was explored and efforts taken towards it were discussed. The new elected members of executive body were introduced and the meeting ended with the announcement for the next ISNACC meets in 2014 at Jaipur. The day concluded with a boat ride in the holy Ganges river and everyone witness and appreciated the 'Ganga aarti'. This was followed by banquet dinner at Hotel Clarks Varanasi.



Banquet dinner at the Clarks, Varanasi

The final day's scientific program began with the poster presentation. The Hallmark of the morning session was the Prof. Hariwir Singh Oration, which was delivered by Dr. Dilip Kulkarni (Hyderabad) on "Prognostication in neurosurgical anaesthesia: An insight". This was followed by session on "Neurointensive care". This included lectures on "Respiratory complications in neurosurgical patients" by Dr. Mihir Pandia (New Delhi), "Ventilatory strategy for post craniotomy patients" by Dr. Badri Narayan (Bengaluru), "Ventilatory support in stroke patients" by Dr. Mukul Jain (New Delhi),



Prof. Hariwir Singh Oration was delivered by Dr. Dilip Kulkarni on "Prognostication in neurosurgical anaesthesia: An insight".

"Electrolyte imbalance and its management in Neuro-ICU" by Dr. Sandeep Sahu (Lucknow), "Postoperative & intensive care following posterior fossa surgery" by Dr. Shobha Purohit (Jaipur), and "Predicting survival in neurointensive care patients" by Dr. P Bhattacharya (Shillong). In another session on "Spinal trauma" Dr. M Srilata (Hyderabad) delivered lecture on "Airway management in cervical injury" while Dr. Kamal Kishore (Lucknow) discussed "Anaesthetic considerations in spinal trauma". In a parallel session on "Cerebral protection", Dr. G Parameswara (Bengaluru) highlighted on "Newer strategies for cerebral protection" while Dr. S Manikandan (Trivandrum) discussed "Preconditions for developing cerebral insult". Finally, in the "Pro and Con" session the speakers argued in favor (for) and against various debatable issues in clinical practice which included "Sitting position is useful in neurosurgery", "Steroids are useful in spinal cord injury", "Tight glycemic control is necessary in Neuro-ICU", "Low molecular weight heparin is useful in Neuro – ICU, "Colloids have a role in fluid resuscitation of TBI patients" and "IV paracetamol is good for postoperative analgesia following neurosurgery".

The meeting concluded with valedictory function and prize distribution for the best free paper (Dr. Nidhi Gupta, AIIMS, New Delhi) and best poster (Dr. Vidhu Bhatnagar, Trivandrum). The Organizing Secretary, on behalf of his team thanked the delegates for their active participation during the conference. The delegates cheered and applauded the host and the ISNACC Society.

Dr. Gyaninder Pal Singh
Assistant Professor
Dept. of Neuroanaesthesiology
AIIMS, New Delhi



Manuscripts invited for



Submission site: www.journalonweb.com/jnacc

Minutes of the 3rd Annual Conference of Asian Society for Neuroanesthesia and Critical Care - Feb 22-23, 2013 (ASNACC)

The 3rd Annual Meeting of ASNACC (Asian Society for Neuroanesthesia and Critical Care) was held at the Hotel Sanur Paradise Plaza, Sanur, Bali on Feb 22-23, 2013 in conjunction with 12th INA-SNACC and 4th Joint Symposium Indonesia and Singapore. This year, over 200 participants from all Asian as well international countries had participated including Indian participation. Dr H H Dash was the member of Scientific Committee for same. There were a total 7 participants from India. The registrants learned about many important and emerging topics in Neuroanesthesiology including quality and safety issues.

During this 2 day conference, faculties from the various countries such as China, USA, Korea, Indonesia, Singapore and Japan, lectured on various eminent issues regarding pre-, per- and post operative neuroanesthesia care. Dr Pinakin Gujjar (Mumbai) discussed the current issues of Anesthesia for Transsphenoidal Pituitary surgery and Dr H H Dash (New Delhi) delivered a lecture on “Role of Nitrous Oxide in Neuroanesthesia Practice”, which is always a burning topic in neuroanesthesia practice. Dr G S Umamaheswara Rao (Bengaluru) discussed the practical approach of “Cardiac Dysfunction in subarachnoid Hemorrhage and its management” in very simplified way. The intensive care issues for neurologic and neurosurgical patients were also discussed in details in fruitful manners.

The main attraction of the conference was practice update and poster presentation. Over 80 posters were presented from various participants all over the Asian countries dedicating to neuroanesthesia in this conference. My poster on the current issue of “Relevance of Automatic Cuff Controller for Assessment of Endotracheal tube cuff pressure in Neurosurgeries” which was appreciated. Another paper on “Venous Air Embolism” was presented by Dr Pramila Kurkal (Mumbai).

The conference was concise and a very useful panel for attending participants.

The 4th annual meeting of ASNACC in 2015 will be hosted by Korea.



Dr. Mukul Jain
Associate Professor
IHBAS, New Delhi



In conversation with.....Dr. Nidhi Gupta

The recent issue of Journal of Neurosurgical Anesthesiology [July 2013] features a clinical report by Dr. Nidhi Gupta from AIIMS, New Delhi.

Another article by the same author, is published Ahead of print in Journal of Anesthesia (March 2013).

CLINICAL INVESTIGATION

Effect of Intraoperative Dexmedetomidine on Postoperative Recovery Profile of Children Undergoing Surgery for Spinal Dysraphism

Nidhi Gupta, MD, Girija P. Rath, MD, DM, Hemanshu Prabhakar, MD, and Hari H. Dash, MD

(*J Neurosurg Anesthesiol* 2013;25:271–278)



[Journal of Anesthesia](#)

Gupta N, Rath GP, Prabhakar H. Clinical evaluation of C-MAC videolaryngoscope with or without use of stylet for endotracheal intubation in patients with cervical spine immobilization. *J Anesth* 2013 (Ahead of print March 2013)

We took this opportunity to interview her and gather information on her research and future plans.

The Secretariat wishes to congratulate and thank her for her contribution.

Dr. Nidhi Gupta
Ex - Senior Resident
Neuroanaesthesiology
AIIMS, New Delhi



In conversation with.....Dr. Nidhi Gupta

Dr. Nidhi Gupta, DM (Neuroanaesthesiology) from AIIMS, recently published two of her research papers in International journals. Incidentally, for same work, she also won the best paper awards at the 14th Annual conference of ISNACC in Varanasi, this year in February. We took this opportunity to interview her and know more about her work and future plans.

HP: What was the reason for the select age group, 8 – 12 years, in your study?

NG: *We initially planned to carry out our study in children aged between 1-12 years old, as this is the age group frequently undergoing corrective surgery for spinal dysraphism at our centre. However, considering the less explored haemodynamic effects of dexmedetomidine in children in prone position surgery, we tailored down to an age group of 8-12 years old group first and then plan to study 1-7 yrs old in next phase.*

HP: How has been your experience with the use of dexmedetomidine?

NG: *The experience of using dexmedetomidine in children has been good and satisfying. When used as an anaesthetic adjuvant in the doses used in our study, the drug is safe and very effective in reducing postoperative pain and emergence agitation, commonly encountered in young children undergoing surgery with sevoflurane anaesthesia, thereby providing smooth recovery, which is highly desirable in neuroanaesthesia practice.*

HP: Following the results and findings of your study, have you changed your own practice?

NG: *We are using dexmedetomidine in children in few cases as a part of general anaesthetic but yes, not as a routine in every case. However, use of C-MAC along with a styletted endotracheal tube is a favoured alternative to fiberoptic intubation under general anaesthesia in patients requiring cervical spine immobilization during endotracheal intubation.*

HP: If there was something you wanted to change in your protocol for improving the quality of your study, what would it be?

NG: *In our dexmedetomidine study, we could have extended the period of postoperative observation upto a period of 6 hours at least, but most of the patients were shifted to neurosurgery ward after 2 -3 hours.*

Also, it would have been lot more informative if we could assess the effect of intraoperative dexmedetomidine on motor evoked potentials monitored in many centres during spine surgeries. This monitoring is at present not done in our centre.

In C-MAC study, we could have also fluoroscopically assessed the cervical spine motion with the two laryngoscopes.

HP: What are your suggestions for future trials on this subject?

NG: *We should now target the younger age group for studying the effects of intraoperative dexmedetomidine in children undergoing spinal surgery. Moreover, we can compare the effects of a single bolus dose or a lower infusion dose of dexmedetomidine without bolus dose to see whether they are as efficacious as a bolus of 1µg/kg followed by an infusion of 0.5 µg/kg/hr, as used in our study. For future trials with C-MAC videolaryngoscopes, it may be compared with other videolaryngoscopes in emergency settings in patients with unstable cervical spine and also in patients with other known parameters of difficult laryngoscopy.*

HP: What are your future plans, as a neuroanaesthetist and as a member of ISNACC?

NG: *As a neuroanaesthetist, I would love to work in a premier institute with neurospeciality and use my knowledge and skills I have acquired during my D.M training for the benefit of neurosurgical and neurocritically ill patients. I would also like to continue my passion for research and writing in this speciality.*

As a member of ISNACC, I would be an active member of the society and would contribute in the academic and teaching programmes as much as possible

Padharo sa.....

Dear Colleagues,

The Indian Society of Neuroanaesthesiology and Critical Care welcomes its members and anaesthesiologists from all over the world to Jaipur, the Pink City of India, for the 15th Annual National Conference to be held from 31st January to 2nd February 2014.

The diligently worked out scientific program of this conference will bring innovations and advances in neuroanesthesiology to the forefront as we welcome attendees from all corners of the globe with the primary purpose of sharing information for the advancement of the super specialty.

The meeting will begin with a schedule of concurrently running Workshops, scientific sessions and oration on Friday and conclude with the formal Valedictory Function on Sunday. The scientific sessions on Friday and Saturday will be followed by Banquet dinner with delicious food, fine drinks and a vibrant cultural program.

“**Safe Paediatric Neuroanaesthesia**” being the theme for this conference, the entire first day pre-lunch session has been dedicated to the same.

The conference opens with inauguration and Dr. Tariq Wani's talk on Paediatric Airway Management followed by lectures on 'Fluid and Transfusion Therapy in Children' and 'Anaesthetic Management of Craniosynostosis' by Dr. Mary Abraham and Dr. Zulfiqar Ali, respectively. After a short tea break and oration by Dr. Kawaguchi on 'Evoked Potential Monitoring', Dr. Craig McClain will speak on 'Intracranial Brain Tumours in Children'. Later, Dr. Deepak Sharma and Dr. Piyush Patel will be delivering talks on 'Pediatric Traumatic Brain Injury' and 'Anesthetic Neurotoxicity in Neonates', respectively.

Another highlight of first day includes workshop organized on TCD by Dr. Devendra Gupta and another workshop on Mechanical Ventilation. The workshop on TCD will be organized to introduce basic principles and techniques of Transcranial Doppler Ultrasonography and its application to the practice of Neuroanesthesiology and will also include discussion on the specific applications of TCD ultrasonography and interpretation of TCD waveforms. Simultaneously lectures will be held on 'Incidental surgery in epilepsy' by Dr. Pragati Ganjoo and 'Surgery for seizure disorders' by Dr. Manikandan. These will be followed by a session including lectures on 'Critical care for SAH' by Dr. Michael Souter and 'Neuromonitoring in ICU' by Dr. Luzius Steiner. Evening session has been exclusively dedicated to 'Chronic Pain Management via spinal cord stimulation' by Dr. Nikesh Batra and 'Nerve blocks for LBA' by Dr. Naveen Malhotra.

The second day will commence with lectures by our distinguished **SNACC Panel** members - Dr. John Hartung, Dr. Jeffery Pasternak and Dr. Cor Kalkman, theme being "Neuroanaesthesia beyond the brain". Afternoon session includes lectures on 'Cerebral Protection During Cardiac Bypass Surgery' by Dr. Yatin Mehta, 'Diagnosis and management of brain death' by Dr. Sanjith and 'Palliative care in neurologically compromised patients' by Dr. Sushma Bhatnagar.

Padharo sa.....

Post lunch discussion will be held on 'Anaesthesia for pregnant neurological patient' by Dr. Vasudha Singhal, 'Post operative pain management after craniotomy' by Dr. Nidhi Panda followed by an exclusive and detailed lecture on 'Minimal endoscopic surgery and anaesthetic concerns' by Dr. Suchitra Chakravarti. Simultaneously problem based learning discussions will be going on by groups comprised of 15 participants each, on 'Meningomyelocele' by Dr. V. J. Ramesh and 'Posterior fossa : anaesthetic management' by Dr. Monica Tandon in morning session. Afternoon session discussion will be held by Dr. Anil Parakh about 'Clipping of aneurysm' and Dr. Prasanna Bidkar on 'Anaesthesia for cervical spinal injury'. An interactive poster session has also been scheduled for post lunch session on second day.

A panel discussion on 'Paediatric Brain Trauma Guidelines: Indian Scenario' will be held in the evening session. Dr. Rajiv Chawla will be moderating the session with panelists being Dr. Padmaja , Dr. Kavita Sandhu and Dr. Hemant Bhagat, followed by an interactive quiz session and GBM.

Third Day will comprise of innovative symposium on 'Functional Neurosurgery' by Dr. Joseph Monteiro and 'Translation Research and evidence based practice' by Dr Uma Maheswara Rao followed by discussion with active involvement of audience on 'Research priorities in neuroanaesthesia' moderated by Dr. Deepak Sharma.

The latest addition and highlight of third day is Inquisitive and interventional sessions on 'Interventional neuroradiology' by Dr.Gyaninder P Singh, Extra cranial surgery in head injured patients' by Dr. M Srilata, 'Delayed recovery' by Dr. Swagata Tripathy, 'Intra operative angry brain' by Dr. Virendra Jain,' Awake craniotomy' by Dr. Saurabh Anand and 'IV versus inhalational induction in children' by Dr. Hemangi Karnik. The conference will conclude with Valedictory function, prize distribution ceremony and lunch.

We are looking forward to a lively and memorable 15th Annual National Conference of ISNACC, 2014 and look forward to seeing you in Jaipur.

Padharo mhare des.....Welcome to my land!

Dr. Shobha Purohit
Organising Secretary (ISNACC 2014)
Associate Professor
SMS Medical College, Jaipur



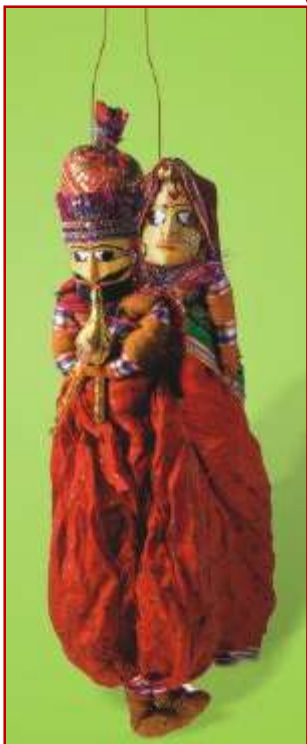
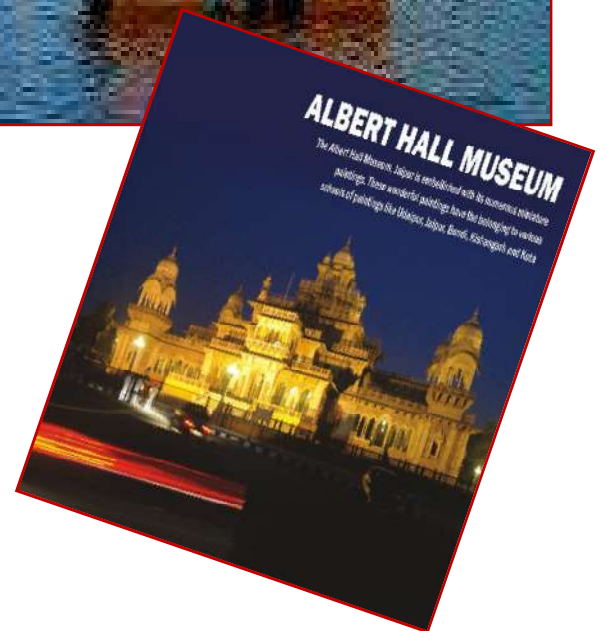
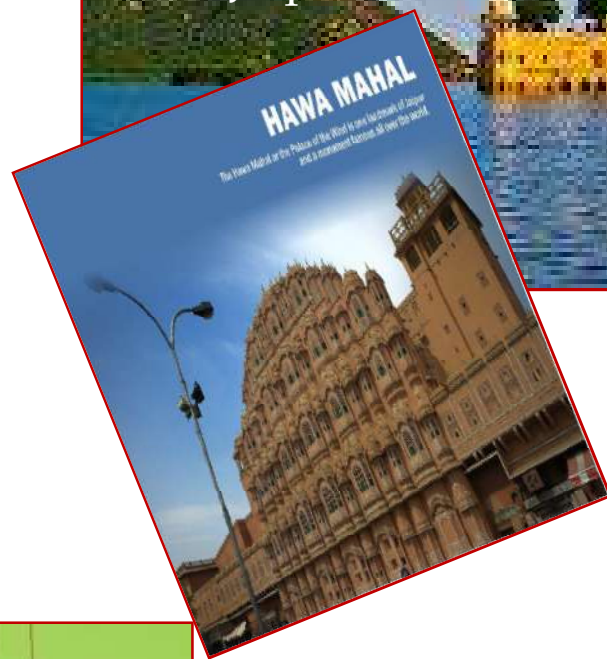
Save the date.....

15th

Annual Conference of the
Indian Society of Neuroanaesthesiology
and Critical Care

31st January – 2nd February 2014

Jaipur



Joining the Camp



LMA – 13	John R Amirthavasagam
LMA – 14	Manish Agrawal
LMA – 15	Raghav A
LMA – 16	S Adinarayanan
LMA – 17	Arulvelan A
LMB – 34	Jyoti D Borkar
LMB – 35	Avanish Bhardwaj
LMB – 36	Aruna Bharti
LMB – 37	Sushma Bhatnagar
LMB – 38	Sanjayakumar C Banakal
LMB – 39	Shubhashish Biswas
LMD – 23	Sabyasachi Das
LME – 1	Lenin Babu Elakkumanan
LMG – 30	Subhajit Guha
LMG – 31	Pankaj Gupta
LMG – 32	Varun Gupta
LMG – 33	Arimanickam Ganesamoorthy
LMH – 3	Jagadish L Hegde
LMH – 4	Amarjyoti Hazarika
LMJ – 12	Neerja Johar
LMJ – 13	Kiran Jangra
LMK – 40	Kamal Kishore
LMK – 41	Muralidhar Kanchi
LML – 6	Tarun Lall
LML – 7	Suman Lata
LML – 8	Geetha L
LMM – 27	Hitendra C Mahajan
LMM – 28	Ranadhir Mitra
LMM – 29	Manish Marda
LMM – 30	Sajal Mukherjee
LMM – 31	Gayatri Mishra
LMM – 32	Sandeep K Mishra
LMP – 41	MVS Satya Prakash
LMP – 42	Sakthi Rajan Panneerselvam
LMS – 64	Seelora Sahu
LMS – 65	Surindar S Saini
LMS – 66	Sangeeta Sahu
LMS – 67	Virendra Deo Sinha
LMS – 68	Trilochan Srivastava
LMS – 69	Georgene Singh
LMS – 70	Shalini Sharma
LMS – 71	Gokuldas S
LMT – 6	Swagata Tripathy
LMT – 7	Chitra Rajeswari Thangaswamy
LMV – 8	Anil Kumar Verma
LMV – 9	Ramesh Varadharajan
LMY – 7	Anshul Yadav

Congratulations!!



Founder President - ISNACC
President ASNACC 2013



Achievements!!

1. Dr. Vivek Bharti Sharma and Dr. Nidhi Gupta completed DM – Neuroanaesthesiology from AIIMS, New Delhi this June. Dr. Sharma happens to be the first DM - Neuroanaesthesiologist in the Indian Army.



Announcements

Travel/ Visit Grant

ISNACC provides Travel/ Visit Grant to suitable candidates to either visit one of the premier Neurosciences (Neuroanaesthesiology) Centers abroad or to present scientific paper (s) in an International forum. A fixed sum of Rs.20,000/- will be awarded to two candidates who must fulfill the following criteria –

1. Should be a life-member for more than a year at the time of application.
2. He/she should not have availed the grant from ISNACC in previous 2 years.

Research Grant

ISNACC awards research grant to suitable candidates to carry out clinical research in the field of Neuroanaesthesia and Neurocritical Care in India. A fixed sum of Rs.25,000/- will be awarded to candidates who fulfill the following criteria –

1. Should be a life-member for more than a year at the time of application.
2. He/she should not have availed the grant from ISNACC in previous 2 years
3. Should provide a copy of Ethics Committee approval
4. Financial assistance from other sources must be disclosed
5. Should present the results of the research in the Annual conference of ISNACC in the same year as completion of study.
6. Should acknowledge ISNACC as the funding source if the paper is sent for publication in a journal.

Application form may be downloaded from the website (www.isnacc.org)

Contact Secretariat for assistance

Email: isnaccsecretariat@yahoo.in

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