

# ♦♦♦♦♦ Synapse ♦♦♦♦♦



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

Jan 2014

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# *From the Secretarial Desk*

*Dear All*

*The year 2014 for Indian Society of Neuroanaesthesiology and Critical Care (ISNACC) started with Success! Success: and Success!*

*We congratulate the organisers of ISNACC 2014 who worked in close tandem with the Scientific Committee of ISNACC, for this achievement. The conference registered a record number of delegates crossing the four hundred mark, probably the largest gathering so far.*

*The release of Journal of Neuroanaesthesiology and Critical Care (JNACC) was the highlight of the conference and the date 31<sup>st</sup> January 2014 would be written in golden letters in the history of ISNACC. This issue of **Synapse** features message from the Editor-in-Chief, Prof. P K Bithal. We again appeal all members of ISNACC to enrich JNACC with their scientific accomplishments. Another achievement this year was the successful introduction of SNACC Panel in ISNACC conference. 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.*

*Ensuring ISNACC representation at national and state - level anaesthesiology meetings such as zonal ISACON, RSACPCON etc., a group of members of the Society conducted workshops on neuromonitoring in the RSACPCON 2013, held in Srinagar. Dr. Zulfiqar Ali (Srinagar) brings a special report on this for the readers of **Synapse**.*

*Internationally, ISNACC had an excellent representation in SNACC and ASA meet in San Francisco last year in October, when 11 papers were presented from the department of Neuroanaesthesia (AIIMS). Dr. Surya K Dube, who was awarded the SNACC Travel grant, for his paper, shares his experience in this issue of **Synapse**.*

*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.*

*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](mailto:isnaccsecretariat@yahoo.in)*

# Message from ISNACC President

Dear Members

Welcome to ISNACC !

Blessed are those who during their lifetime get an opportunity to walk in the footsteps of their teachers whom they admire. I am lucky to be one of them! I am rather more than blessed. I am stepping in the footsteps of not one but three of my great teachers whom I admire: Dr Hari Hara Dash, Dr Parmod Bithal and Dr Mary Abraham. It was Dr Mary who motivated me to join anaesthesia; all three of them later have been my guide and mentors in my journey in anaesthesia and neuro-anaesthesia. They have all been past Presidents of ISNACC. Today, as I take over the responsibility as President of ISNACC, I will be walking in their footsteps. I humbly accept the responsibility and would like to express my gratitude to them.

I take charge from Dr Amna Goswami. Over the years since I have known her, I have seen her to be a symbol of simplicity, humility, selflessness, compassion and care. I have been her keen admirer.

With so many stalwarts of neuro-anaesthesiology having been the president of ISNACC, I feel that I have an uphill task ahead. It shall be my endeavor to follow the path laid by them and live up to their expectations.

“Life exists as long as you are inspiring; once you stop you expire.” We have to march ahead. I believe that as a professional body, ISNACC has two key responsibilities:

First and foremost is *professional responsibility* towards our members: the practicing neuro-anaesthesiologists. This responsibility has largely been looked after quite well.

The second *responsibility is towards the community* we live in.

To make ISNACC strong we need to consolidate on what has already been done, and simultaneously to set new goals for us.

First, what we need to consolidate is our academic contributions in neuro-anaesthesiology and neuro critical care.

ISNACC has been successful in motivating various institutions and regulatory bodies to recognize neuro-anaesthesia as a super specialty. Today we have DM (Neuroanaesthesiology) and Post Doctoral Certificate Course in neuro-anaesthesiology in many medical schools. ISNACC also has its own certified post doctoral fellowship program. ISNACC is already in correspondence with National Board of Examinations to recognize Fellowship in Neuroanaesthesiology, and we are hopeful that it will soon be recognized.

ISNACC has moved a step further and is now publishing its own journal “*Journal of Neuroanaesthesiology and Critical Care*”. It’s a major academic step. Since the journal is still in its infancy, it needs to be nurtured well. I appeal to all the members to submit their good quality research work for publication in this journal so that we attain an impressive impact factor in next 5 years. We are also associating with other professional bodies of anaesthesiology and organizing workshops in neuro-monitoring.

Thus, we are slowly and steadily growing as a specialty.

Next, let us identify some of the new goals and responsibilities for ISNACC:

I suggest the ‘tagline’ for ISNACC as: “**Think New; Think Good.**” The words ‘*think big*’ have deliberately not been used because occasionally when one thinks big, there is a risk of vested interests creeping in, foregoing the goodness, which may not be in the interest of the professional society. We have to be purposeful.

What is the area where ISNACC needs to step in as its social responsibility?

We all know that traumatic brain injury (TBI) is a serious health problem in Indian community. Not infrequently, in India the potential survivors of TBI are lost because the first responders in the community are not trained in how to manage TBI. I propose that we devise the *ISNACC TBI training programme for the community level health workers in India*. We need to train the health care workers at District level, Community Health Centres and Primary Health Centres to the extent that basic care is provided to any victim of TBI till he is transferred to the hospital. It is only with the trained personnel at the community level that secondary brain injury will be minimized and outcome after TBI

# *Message from* ISNACC *President*

will improve. The National Rural Health Mission (NRHM), launched in 2005, is the health programme in a “Mission Mode” to improve the health system and the health status of the people, especially for those who live in the rural areas. We, from ISNACC, have to strive and ensure that this training program finally gets incorporated in the NHRM. This, I feel, is essential if we intend to improve the survival of the TBI patients in India.

In the west we have society guidelines which form the foundation stone of their practice.

These include guidelines by Brain Trauma Foundation for TBI, NICE guidelines in UK and similarly separate guidelines for Australia. These cannot be blindly adopted and applied in our health care system. Why can India not have guidelines of its own? It can. Given an opportunity, I propose that we create ISNACC practice guidelines which can be applied in the Indian environment and in the south Asian continent.

George Bernard Shaw said: “If you have an apple and I have an apple and we exchange these apples then you and I will still each have one apple. But if you have an idea and I have an idea and we exchange these ideas, then each of us will have two ideas.” ISNACC should strive to have interactions and purposeful exchange of ideas with other societies (national and international) so that we can be more productive: in terms of strengthening our education, our contribution towards the society and also in improving our research.

We have large number of young, enthusiastic qualified neuro-anaesthesiologists; their number is growing. The Executive Committee also has some of these best young minds. Idea generation, therefore, should not be a problem. It is these youngsters with a dream who can make the motto of ‘Think New: Think Good’ a reality.

Let me end by a quotation from Robert Frost:

*The woods are lovely, dark, and deep,*

*But I have promises to keep,*

*And miles to go before I sleep,*

*And miles to go before I sleep.*

I look forward to your valuable support in taking ISNACC to newer heights.

With kind regards

Dr Rajiv Chawla



*Share with us your views, suggestions, and opinion to help us serve you better*

Send us your entries at:  
[isnaccsecretariat@yahoo.in](mailto:isnaccsecretariat@yahoo.in)

# *Message from* ISNACC *Past President*

Dear Friends

Three issues of the Synapse have already been put up on our website and have been a thumping success. They have covered various aspects of the activities of our Society and its members.

A vivid and total coverage of the Annual Conferences of ISNACC gives all members, who have not been able to attend the Conference, a bird's eye view of the programme. Description of the attendance and participation at the ASNACC and SNACC Conferences along with the kudos earned by our members are really encouraging.

Announcing the academic activities, teaching courses, grants for presenting papers in foreign conferences, doing research work – all help in keeping members abreast of the facilities they can avail. Congratulating winners of prizes and honours encourages them further. A calendar of forthcoming events keeps us well informed and able to plan our yearly schedule.

In these ways the Synapse is really living up to its name by keeping us all connected. I thank our young and dynamic office bearers for working hard and producing it.

Like always I feel that I am lacking in my duties if I do not share with my juniors my impressions about their lifelong associates – the band of extra terrestrial beings who do not conform to any description of a normal sane human being. They have worked like bonded labourers during their training period, lived on a shoe string budget, have graying hair before they can afford to get married and can work till they drop down dead.

Be wary of them, keep safe distance from them, never contradict them as they are always 'right', console them when after hours of toil their patient goes on to a ventilator. Ladies and Gentlemen I present to you the Neurosurgeon your friend, philosopher and guide for days to come.

May we live in peaceful coexistence with them.

Amen.

With best wishes

Amna Goswami



# *Message from the Editor-in-Chief (JNACC)*

Dear ISNACC members and friends

Please accept my warm greetings of the season and new year 2014. The past year has been an eventful and there were many a firsts pertaining to Neuroanaesthesia. The society has made rapid strides on the academic front in the year gone by. The society finally gathered guts and gumptions to start its own journal (Journal of Neuroanaesthesiology and Critical Care) and the dream is going to be realised soon with the releasing of the maiden issue during the annual meeting of ISNACC, in Jaipur. This could be achieved only with the unstinted support received by the editorial board from all of you. I am extremely satisfied with the response received by the editorial board and thank all those who contributed in the first issue. I solicit your suggestions to improve it further.

I am sure you will agree with me that we all cherish the desire to spread awareness in Neuroanaesthesia in the various nooks and corners of the country and I am pleased to find Neuroanaesthesia spread its wings to the cities where it was not getting due recognition hitherto. The major development in this direction was a meeting on Neurointensive care, organised by Dr V.Ponniah, Chief of Neuroanaesthesia department at Globus Hospital, Chennai. Similarly, a Continuous Medical Education on Neuroanaesthesia was also organised at Medica Hospital, Kolkata, by Dr Kallol Deb. A two days Neuroanaesthesia update was organized by Dr MP Pandia, at AIIMS, which, also included a half day live telecast workshop from the operation room. A big contingent of Neuroanaesthesiologists from India, participated in the annual SNACC meet at San Francisco (USA) and made its mark when Dr Surya Dube, DM student from AIIMS) won the travel fellowship for the best poster presentation among the residents' section. Congratulations to Dr Surya for wining accolades for himself and bringing recognition to the Society and the country at large. All these academic events not only enhance/refresh our knowledge in the specialty but also underline the fact of the growing interest in the Neuroanaesthesia in the minds of budding anaesthesiologists. Let this enthusiasm not wane and I wish, in future too, we continue to participate in the overseas meetings in a large number and showcase our talent in academics as well research. However, with all these accomplishments let complacency not creep into our minds and, we need to strive hard before we can claim that Neuroanaesthesia in India has come off age. This requires a long distance to travel.

Another encouraging development is the keen interest shown by various corporate hospitals to get accreditation for Post Doctoral Fellowship in Neuroanaesthesiology. However, we have to tread carefully in this direction. Mere accreditation would not end the responsibility of the hospitals, on the other hand it places a heavy burden on their shoulders. Excellence in academics has to be maintained at all cost and these hospitals should aim at producing young interested and brilliant Neuroanaesthesiologists. Furthermore, with more and more letters of intent pouring in from many hospitals in this regard, a pertinent question is should the Society have a ceiling for the number of such candidates in a year if not, should the exit examination be held at more than one centre, or should the exit examination be staggered, because in near future the number of candidates enrolling for fellowship are likely to spiral out of control. This issue needs to be addressed urgently and seriously. Those at the helm of society need to ponder over it during the annual meeting of ISNACC at Jaipur and thrash out a viable option.

Let us ring out the past year which, I believe was quite satisfying for the growth of Society, and ring in the new year on a hopeful note.

Prof P K Bithal  
Editor-in-Chief, JNACC  
Prof. & Head  
Dept of Neuroanaesthesiology  
AIIMS, New Delhi



*Manuscripts invited for . . . .*



*Submission site: [www.journalonweb.com/jnacc](http://www.journalonweb.com/jnacc)*

# *Report on the 41st Annual Meeting of the Society for Neurosciences in Anesthesiology and Critical Care [SNACC]*

The 41st Annual Meeting of the Society for Neurosciences in Anesthesiology and Critical Care was held at the Hilton Union Square in San Francisco October 10-11, 2013. This was attended by more than 250 delegates from all over the world. Delegates from India were Drs Hemanshu Prabhakar, Girija P. Rath, Surya K. Dube, Ankur Luthra, Varun Jain (from AIIMS, New Delhi) and Dr Rajshree Deopujari (Mumbai).

Conference started with concurrently running workshops on Thursday, 10<sup>th</sup> Oct 2013.

A mentoring workshop entitled 'Getting Started and Maintaining a Successful Academic Career' was organized by Dr. Jeffrey Pasternak (Mayo Clinic College of Medicine Rochester, MN). There were four lectures from distinguished SNACC members, Drs. Michael Todd (University of Iowa College of Medicine Iowa City, IA), William Lanier, Jr. (Mayo Clinic College of Medicine Rochester, MN), Gregory Crosby (Brigham & Women's Hospital Harvard Medical School Boston, MA), and Kathryn Lauer (Medical College of Wisconsin Milwaukee, WI) on starting, maintaining and progressing in an academic career, the importance of mentoring, and maintaining a work-life balance. This workshop was primarily aimed at residents, fellows and junior faculty.

Concurrently, Dr. Deepak Sharma (University of Washington Medical Center Seattle, WA) conducted 'Transcranial Doppler Ultrasonography Workshops', which this year included basic and advanced sessions (with hands on experience and TCD simulators). The instructors are Drs. Deepak Sharma, Arthur Lam (Swedish Neuroscience Institute Seattle, WA), Andrew Kofke (School of Medicine Philadelphia, PA), Abhijit Lele (University of Kansas Medical Center, Kansas City) and Ryan Pong (Virginia Mason Medical Center Seattle, WA).

For the first time on Thursday afternoon, a CNS Research Symposium - 'CNS Inflammation: Friend or Foe?' was hosted. This event was organized by Dr William Armstead (School of Medicine Philadelphia, PA), and included lectures by Drs. Edward Sherwood (Vanderbilt University Hospital Nashville, TN), Roderic Eckenhoff (School of Medicine Philadelphia, PA), Temugin Berta (Duke University Medical Center Durham, NC) and Midori Yenari (University of California San Francisco), all experts in this fascinating area of perioperative neuroscience. The topics for discussion included the physiology and pathophysiology of brain inflammation, the role of inflammation in POCD and Alzheimer's disease and in the development of chronic pain syndromes, and the inflammation in stroke.

Thursday evening Dinner Symposium was organized by Dr. W. Andrew Kofke and was sponsored by a generous educational grant from Masimo. The theme was 'Blood Products and Fluids in Neurosurgery', and the speakers were Drs. Keith Ruskin (Yale School of Medicine New Haven, CT), Jerrold Levy (Duke University Medical Center Durham, NC) and Jose Suarez (Baylor College of Medicine Houston, TX), who discussed red cell transfusion, managing anticoagulation and the use of colloids and crystalloids respectively.

October 11<sup>th</sup> marked the key day with early start for registration, breakfast and display of exhibits. This was followed by welcome address by Dr Martin Smith (SNACC President, University College London Hospitals).

The keynote speaker at this year's main meeting on Friday, October 11 was by Dr. Robert T. Knight (Professor of Psychology and Neuroscience, UC Berkeley), who discussed 'Lessons from Direct Cortical Recording - Can We Hear What You Think?'

In the first minisymposium (before lunch) on 'Psychoneuroanesthesia - Really?', Dr. Laszlo Vutskits (University Hospital of Geneva, Switzerland) discussed 'whether general anesthetics can trigger or treat psychiatric disease', and Dr. Philip Starr (University of California San Francisco) discussed 'Deep Brain Stimulation and Depression'.

The Annual Business Meeting and award presentations were held during lunch on Friday that was attended by all the delegates with great enthusiasm. Dr Kristin Engelhard (University Medical Center of the Johannes Gutenberg University Mainz, Germany) was declared the new President elect with great applause. Dr Antoun Koht (Northwestern University) was felicitated with the 'SNACC Teacher of the Year Award' for 2013. Dr Surya K Dube was among the five delegates whose research work was appreciated and awarded with SNACC Travel Grant. In addition there was presentation by the winner of the Michenfelder Award at the end of the business meeting, followed by short presentation by the winner of the SNACC prize presented at the International Anesthesia Research Society meeting that was held in May.

The afternoon mini-symposium (post lunch) on 'Neuroanesthesia: Myths and Fads' included diverse topics. Dr. Arthur Lam discussed aspects of 'Evoked Potential Monitoring - The Good, The Bad and The Ugly' and Dr. Ramsis Ghaly (Ghaly Neurosurgical Associates Aurora, IL), being both a neuroanesthesiologist and neurosurgeon, will bring his unique insights into whether neurosurgeons need a neuroanesthesiologist with his topic, 'Do Neurosurgeons Need a Neuroanesthesiologist?'

Dr. Elizabeth Sinz (Penn State/Milton S. Hershey Medical Center) persuaded the audience with 'Every Neuroanesthesiologist Should Participate in NeuroSim' on usefulness of simulators, and the session ended with Dr. Michael Todd discussing 'neuroanesthesia and Dead Horses - Round Two?'



From L to R : Hemanshu Prabhakar, Girija P Rath, Jeffrey Pasternak, Surya K Dube, Ankur Luthra, Varun Jain

There were two 75-minute digital poster sessions (pre and post lunch) at which more than 120 colleagues from around the world presented their most recent research on perioperative neuroscience. The poster sessions brimmed by presenters and attendees alike, gave an opportunity for face-to-face, in-depth peer discussion. The posters reflected experimental and clinical neuroscience.

A total of 8 papers were presented by members of ISNACC from All India Institute of Medical Sciences, New Delhi. Dr Girija P Rath presented paper on 'Effect of Intraoperative Brain Protection With Propofol on Postoperative Cognition in Patients Undergoing Temporary Clipping During Intracranial Aneurysm Surgery' and 'Anesthesia for Awake Craniotomy: A Retrospective Study of 54 Cases'; Dr Hemanshu Prabhakar on 'Anesthetic Management, Perioperative and Post-operative Outcome of Patients Undergoing Surgery for Moya-moya Disease: Our Institutional Experience' and 'Coagulation Abnormalities After Aneurysmal Subarachnoid Hemorrhage During Perioperative Period as Detected by ROTEM Thromboelastography (TEG)'; Dr Surya K Dube\* on 'Reasons for Elective Ventilation in Patients Undergoing Intracranial Tumor Surgery' and 'Comparison of Intraoperative Brain Condition, Hemodynamics, and Postoperative Recovery Between Desflurane and Sevoflurane in Patients Undergoing Supratentorial Craniotomy'; Dr Ankur Luthra\* on 'Intraoperative Hyperthermia in a Case of Sellar: Suprasellar SOL Surgery'; and Dr Varun Jain\* on 'Juvenile Nasopharyngeal Angiofibroma With Intracranial Extension: A Review of 29 Cases'

The last session for the day started with a pro/con debate on large database research. Dr. William Lanier, Jr. argued for the utility and validity of database research whilst Dr. John Drummond took the 'con' position and considered whether 'Ice cream really does cause boating accidents!' Both of these speakers brought an entertaining, but educational element to their presentations on this important subject.

This was followed by Closing Remarks by Dr Martin Smith who on behalf of his team thanked the delegates and sponsors for their active participation during the conference and invited all for the forthcoming SNACC 42nd Annual Meeting on October 9-10, 2014 at New Orleans, LA.

The session concluded with sentimental note, mourning the untimely demise of important SNACC member Dr William L. Young with 'Celebration of the Life of Bill Young'

The day ended with the traditional wine and cheese reception giving opportunity to meet and make new friends.

**\* Received the ISNACC Travel grant for attending the conference.**

# *Report on the Meeting of the American Society of Anesthesiologists [ASA]*

The Anesthesiology™ 2013 annual meeting of the American Society of Anesthesiologists was held at, Moscone Center, San Francisco on October 12-16, 2013 this year. It was a huge gathering of around 10000 delegates from various parts of the world. This year Indian Society of Neuroanesthesiology and Critical Care (ISNACC) participated actively in Anesthesiology™ 2013 annual meeting and the members of ISNACC presented total 3 research papers at the meeting.

Dr. Hemanshu Prabhakar presented “Comparison of dexmedetomidine and lidocaine on attenuation of airway and pressor responses during tracheal extubation”,

Dr Girija Prasad Rath presented “A study comparing effects of 20% mannitol and 3% hypertonic saline on intracranial pressure and systemic hemodynamics” and,

Dr Surya Kumar Dube presented “Effect of intraoperative brain protection with propofol on postoperative cognition in patients undergoing temporary clipping during intracranial aneurysm surgery.

The next annual meeting of American Society of Anesthesiologists will be held on October 11-15, 2014 in New Orleans, LA

**Surya K Dube**  
**Senior Resident - Neuroanaesthesiology**  
**AIIMS, New Delhi**



## *Announcement*

NIMHANS is conducting an All India Entrance Test on 29<sup>th</sup> March for -

1. Post-doctoral Fellowship – Neurocritical Care (2 seats)
2. DM – Neuroanaesthesia (4 seats)
3. Post-doctoral Fellowship – Neuroanaesthesia (2 seats)

For details, log on to [www.nimhans.kar.nic.in](http://www.nimhans.kar.nic.in)

# *Report on the Neuro-monitoring Workshop at* RSACPCON 2013

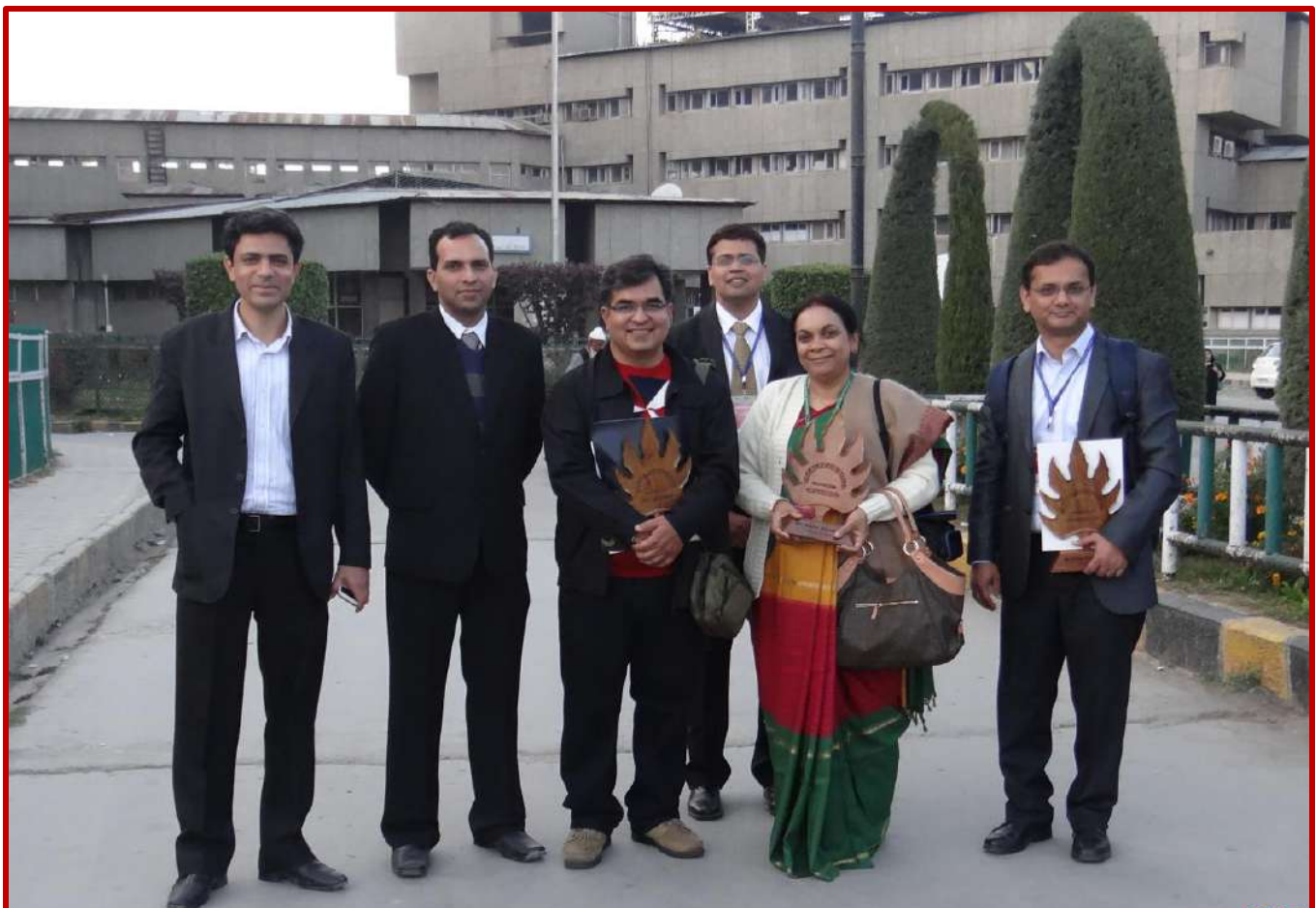
The 23<sup>rd</sup> National Conference of Research Society of Anaesthesiology Clinical Pharmacology (RSACPCON 2013) was hosted by Sheri Kashmir Institute of Medical Sciences, Srinagar. The conference was attended by around 400 delegates all over the country. The conference was preceded by a preconference workshop on 25<sup>th</sup> October 2013. Workshops were conducted on ultrasound guided nerve blocks and vascular access which was coordinated by Dr Naveen Malhotra, on Airway by Dr Naresh Kaul and Neuromonitoring by Dr Mary Abraham.

It was for the first time that a Neuromonitoring workshop was conducted in any national conference in India. This workshop was attended by around 30 delegates from different parts of country that showed great enthusiasm and interest. Extensive lectures were given on Intracranial pressure monitoring (Mary Abraham), transcranial Doppler (Hemanshu Prabhakar), cerebral oximetry (Virendra Jain), evoked potentials (Zulfiqar Ali), depth of anesthesia monitoring (Gyaninder Pal Singh) and cerebral microdialysis (Girija Prasad Rath) by the faculty members from all over the country. This was followed by demonstration at various work stations of these basic techniques used for neuromonitoring.

The work shop was appreciated by the delegates who felt the necessity of organising more workshops in near future.

The workshop was concluded by a valedictory function in which participants and faculty were felicitated by Organising Chairman Dr Imtiaz Naqash.

- Zulfiqar Ali



L to R : Zulfiqar Ali, Gyaninder P Singh, Hemanshu Prabhakar, Virendra Jain, Mary Abraham, Girija P Rath

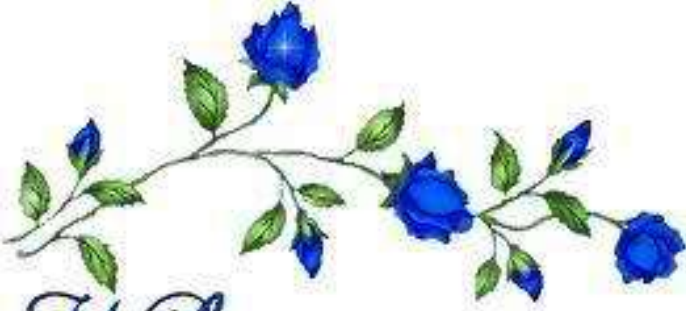
*Save the date.....*

# 16<sup>th</sup> Annual Conference ISNACC 2015



30<sup>th</sup> Jan – 1<sup>st</sup> Feb / Lucknow

# Joining the Camp



Welcome  
to Our Group

LMB – 40	Eduardo P Borges
LMB – 41	Ashok S Badhe
LMB – 42	Manoj K Bezbaruah
LMB – 43	Mona Bana
LMC- 17	Sunil Chaturvedi
LMC – 18	Ann Campos
LMC – 19	Vikaramaditya Chirumilla
LMD – 24	Kallol Deb
LMD – 25	Harshal V Dholke
LMG – 34	Sekar Govindan
LMG – 35	Prakhar Gyanesh
LMG – 36	Prasanta K Gogoi
LMG – 37	Rohit Gupta
LMH – 5	Hemlata
LMH – 6	Neha Hasija
LMH – 7	Dipti J Haridas
LMJ – 14	Bhagya Ranjan Jena
LMK – 42	Prasad Kumaresan
LMK – 43	R Muthu Kumaran
LMM – 33	Govardhan M
LMM – 34	Kalaivani Mani
LMM – 35	Shubhangi S Muley
LMM – 36	Deepak P Madankar
LMM – 37	Ramamani Mariappan
LMM – 38	Vandana Mangal
LMM – 39	Nitin Manohar
LMN – 9	Dasika Venkata Narasimharao
LMN – 10	Amitayu Nandi
LMN – 11	Vinita R Naidu
LMP – 43	Satyen Parida
LMR – 31	Kamaraju Mohan Rao
LMR – 32	Kesavaran Subba Reddy
LMR – 33	Gurrala Shekhar Reddy
LMR – 34	Lalit K Raiger
LMS – 72	Dimple A Shah
LMS – 73	Amlan Swain
LMT – 8	Bhoomika P Thakore

# *Achievements!!*

1. Dr. Renu Bala completed DM – Neuroanaesthesia from AIIMS, in December 2013.
2. The following candidates successfully completed their ISNACC Post-doctoral Fellowship [2013]
  1. Amruta A Ajgaonkar [Kokilaben Dhirubai Ambani Hospital, Mumbai]
  2. Neeta V Karmarkar [Kokilaben Dhirubai Ambani Hospital, Mumbai]
  3. Parthasarathi Goswami [Park Clinic, Kolkata]
  4. Rajani M Ramakrishnan [PD Hinduja Hospital, Mumbai]
  5. Shubhashish Biswas [Fortis Hospital, NOIDA]
  6. Subhajt Guha [Institute of Neurosciences Kolkata, Kolkata]
  7. Sumit Kalra [PD Hinduja Hospital, Mumbai]
  8. Varun Gupta [Fortis Hospital, NOIDA]



# *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 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.50,000/- [2 candidates per year] 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](http://www.isnacc.org))

Contact Secretariat for assistance

Email: [isnaccsecretariat@yahoo.in](mailto:isnaccsecretariat@yahoo.in)

# *Office Bearers 2013 - 2014*

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Indian Society of Neuroanaesthesiology and Critical Care



# 16th Annual Conference of Indian Society of Neuroanaesthesiology and Critical Care

**PURSUED *through* EXCELLENCE**

January 30 - February 1, 2015



Organized by  
Department of Anaesthesiology  
Sanjay Gandhi Post-Graduate Institute of Medical Sciences  
Lucknow



<http://www.isnacc.org/isnacc-2015/>

*Mark your calendar for .....*



# 2014 EURONEURO

10 -12 April 2014 / İSTANBUL



[www.euroneuro2014.org](http://www.euroneuro2014.org)