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Faridabad (Neurosurgeon)

April 2023

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Special Message from INS President

My dear colleagues,

It is with pleasure and the warmest of memories that I write to you having experienced a neuromodulation meeting of the highest order in the INS Interim meeting held in Mumbai last year, organised by Dr. Preeti Doshi and Dr. Paresh Doshi. In 24 years of attending meetings I rank that as the highest quality and greatest enthusiasm of a regional meeting in my experience. I salute every one who attended and helped make it a success.

And where to from here? How do we keep the momentum flowing? Please allow me to make a few observations and share some thoughts.

Momentum plus critical mass = success of the endeavour. Hence we need many Doctors to document through audit and publication all the patients they are seeing who would be suitable for neuromodulation but are not receiving it. We need Doctors to track whole health and economic costs of some implants and show the cost-effectiveness of them. We especially need Doctors to document and publish the results of their implants.

There is no need for this to fall solely on the head of a busy and already overworked individual or to not consider yourself a relevant individual. Look around you for resources you are overlooking. Resident hospital doctors, medical students, PhD students can all contribute if guided and supported – use them!

If enough papers are written and facts presented then a case builds for support of neuromodulation in your country.

Beyond that of course politicians want to see coordinated care of a consistent high standard so that brings into play the need for centres of excellence, for defined indications and defined treatment protocols (these may need national agreement via Delphi conference for example) as well as training standards etc.

The Indian chapter of INS can and should play an active role in discussions on how to reduce costs of devices and work with Industry to look for solutions that meet the needs of the country.

I wish you the best on your next 10 year journey and I especially look forward to returning to your beautiful country and warm hospitality.

A/Prof Marc A. Russo



Address from President, The Neuromodulation Society (TNS)

Dear friends,

First of all I would like to thank all of you from the bottom of my heart for helping us to put the face of new India, as inspired always by our Prime Minister, in front of the international neuromodulation society audience. This would not have been ever possible if we had not obtained a whole-hearted unflinching support from the icons of leadership and all the stalwarts in the field of neuromodulation who make this society what it is today. For a more detailed coverage and information on this meeting I would like you to read the other sections of this newsletter where Dr Preeti Doshi has nicely presented the meeting summary.

Prof. Marc Russo, president of the INS, has always been supportive of all our activities and has continued to guide us in the progress of our society. Even in this newsletter, just like his presidential message during the INS-IM2022 meeting, he has very clearly articulated as to how we can strengthen our society and get the neuromodulation community, especially outside DBS area, to look upon India as a next potential region for spread and development of neuromodulation. We all should use this useful guidance for developing our practice.

We are continuing to work with industry partners to see how we can improve the awareness of neuromodulation. We would welcome all your suggestions and participation to strengthen the society and also to develop neuromodulation in your area. Though most of the neuromodulation, as of today, is focused on invasive neuromodulation we should not forget the role of non-invasive neuromodulation and what it may play in the future. Again non-invasive neuromodulation may be more accessible to others than invasive modulation and hence the next meeting is aimed at reviewing the current development and progress in this field, in India.

We look forward to meet you at the next TNS meeting in New Delhi.

Prof. Paresh Doshi



From the TNS Secretary's Desk

Greetings from the Secretariat to all the esteemed members for their unflinching support to this newly established society, The Neuromodulation Society (TNS), the Indian chapter of International Neuromodulation Society.

I am pleased to present this special edition of TNS Newsletter, mainly as a token of our gratitude to the members for being with us for the successful conduct of INS-IM2022 from 11-13th November at Hotel Grand Hyatt, Mumbai.

I take this opportunity to welcome all the new TNS members who got inspired to join the society during or soon after INS-IM2020. Their enthusiasm to nurture this mutual relationship can potentially lead to rapid advancement of this much needed speciality in India. It was indeed heartening to achieve the meeting's objective of creating awareness on the subject across the multidisciplinary platform comprising of Neurosurgeons, Pain Specialists, Neurologists, Psychiatrists and few others.

The meeting concluded far exceeding our expectations, despite numerous challenges posed by the COVID-19 pandemic, postponing the event by two precious years. With many uncertainties and "ifs and buts", it was indeed a gratifying experience to have delivered what we promised before the original scheduled dates in 2020.

I am thankful to INS President - Prof. Russo, for his kind words of appreciation of our meeting in this newsletter. However, what is more impressive is that in a short message he has conveyed many important points. His message is so precise, incisive and directional that it has given us all a new mission to accomplish. This message will be seen as one of the guiding forces of further development of The Neuromodulation Society (INS chapter) in India.

I am pleased to announce that TNS board has accepted the bid from Dr. Renu Bhatia (Physiology Dept AIIMS-New Delhi) to conduct the next national Congress – "TNS Congress 2023" the dates for which will be soon confirmed. Looking forward to seeing most of you

Please let us have your inputs and suggestions for the betterment of society.

Hope you all enjoy reading this newsletter and motivate more colleagues to join our society and take it to greater heights! Long live TNS!

Dr Preeti Doshi

SUCCESS STORY OF INS-IM2022

FIRST INTERNATIONAL MEETING OF INS IN INDIA



INS-IM 2022
INS INTERIM MEETING
MUMBAI • 11th - 13th NOV, 2022
Pushing the Boundaries of Neuromodulation

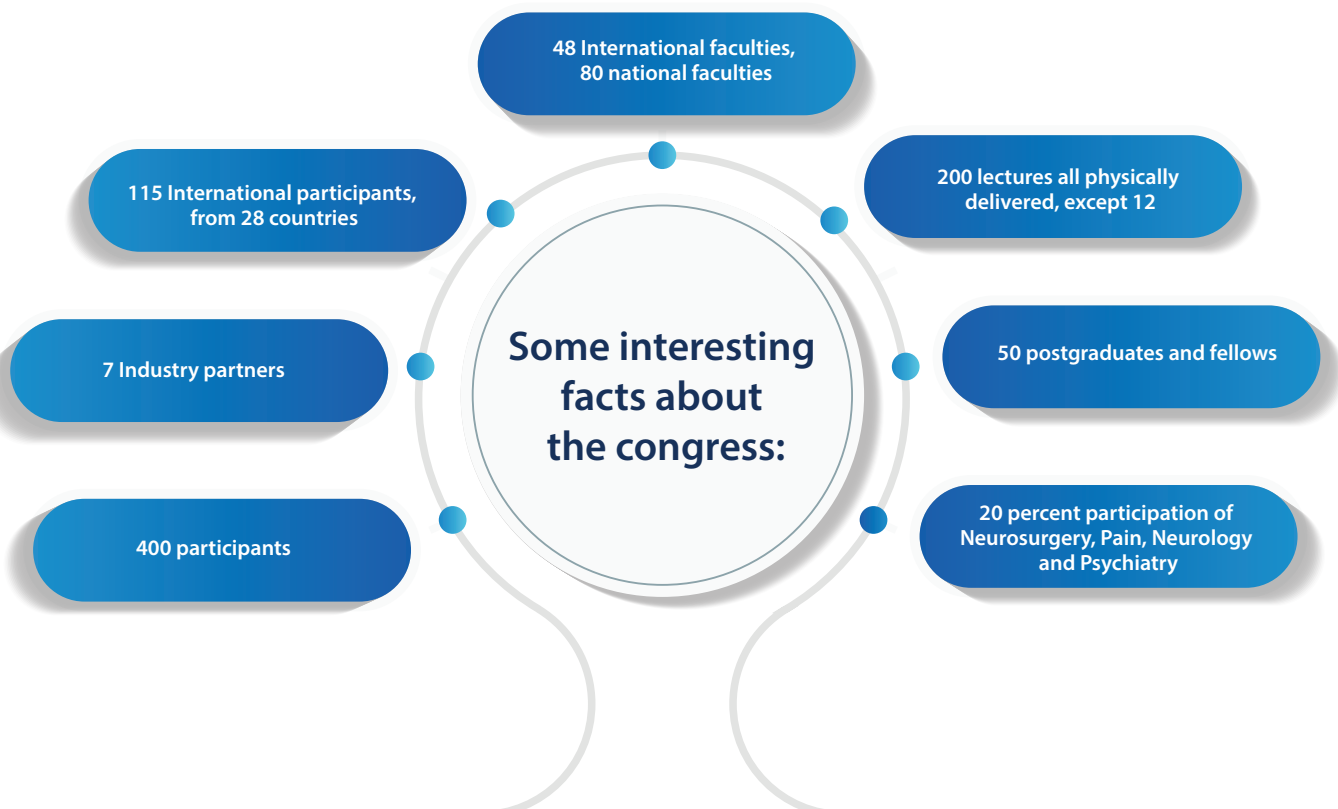
ins
International
Neuromodulation
Society

tns
THE
NEUROMODULATION
SOCIETY OF INDIA
A CHAPTER OF THE INTERNATIONAL
NEUROMODULATION SOCIETY

The grand success of the meeting was majorly attributed to a combination of three elements :

- 1. Comprehensive Scientific program** covering invasive and non-invasive neuromodulation modalities with seven workshops and practical application in the fields of Pain, Neurosurgery, Psychiatry, Urology and Cardiology etc.
2. Parallel sessions for Pain, Neurosurgery, Psychiatry with high quality scientific deliberations delivered by **world renowned faculty members** with superlative audio-visual arrangements.
- 3. National and international Delegates from multiple specialities** from all across the globe eager for interactive participation all throughout till the very last session of the meeting.

WE ARE PROUD TO CLAIM THAT IT WAS TRULY A CONFLUENCE OF THE GREATEST MINDS IN NEUROMODULATION AS PER THE THEME!!



INTERNATIONAL NEUROMODULATION SOCIETY, INTERIM MEETING 2022- PAPERS

01

Number of participants: Total 76 abstracts from Neurology, Neurosurgery, Pain and Psychiatry were selected from the submitted ones as per merits for E posters.

| Sr. No | Specialty | Oral Presentation | E-Poster |
|--------|-------------------|-------------------|----------|
| 1 | Neurology | 5 | 5 |
| 2 | Neurosurgery | 9 | 13 |
| 3 | Pain | 8 | 34 |
| 4 | Psychiatry/Others | 2 | 0 |

02

Winners for Oral Presentation: The following posters were selected for oral presentations

| Abstract No. | Specialty | Title of Abstract | Author |
|--------------|--------------------------------|---|---------------|
| INSIM81 | Neurology | 'Magnetized nanoparticles and electromagnetic stimulation: a new ray of hope in spinal cord injury' | Suman Jain |
| INSIM99 | Neurosurgery | Investigation of neural changes in the wall of the abnormal brain cavity in rats' | Ugur Kilic |
| INSIM103 | Pain | INSIM103-'Sacral nerve stimulation for bladder dysfunction and pain-our experience' | Preeti Doshi |
| INSIM105 | Psychiatry/ Neurophysiology | Intraoperative local field potential as a biomarker for the identification of effective subthalamic nucleus sub-region for motor improvement in Parkinson disease ' | Sonali Vasnik |

| Abstract No. | Specialty | Title of Abstract | Author |
|--------------|--------------|---|-----------------------|
| INSIM14 | Neurology | The clue is in the origin Watson! The tale of a DBS surgery for misdiagnosed PD | Hargunbir Singh |
| INSIM 104 | Neurosurgery | Morphometric Analysis of Subthalamic Nuclei in patients of Deep Brain Stimulation in Parkinson's Disease | Sonal Chauhan |
| INSIM90 | Pain | Knowledge Attitude and Practices about Neuromodulation Techniques for Management of Refractory Diabetic Neuropathy Pain among Physicians in India | Sasmit Dipak Lotliker |

All the accepted abstracts will be published in 2023 in the online version of the
INS- international Neuromodulation journal-
"NEUROMODULATION -TECHNOLOGY AT NEURAL INTERFACE"
with a high impact factor

GLIMPSES OF THE SPECTACULAR CONGRESS INS-IM2022:

Day 1: 11th November 2022: Total Seven Workshops

Six workshops: Covering topics from Non-invasive to Invasive neuromodulation at Grand Hyatt hotel, Mumbai. The unique highlight was the workshop on Neuromodulation without devices (for the first time ever in an international meeting), this was well-attended and actually left the audience spell-bound with tremendous interest shown by even international board members e.g.

INS Treasurer Prof **Lawrence Poree, UCLA** commented **“The non-invasive session was by far my most enjoyable and enlightening session.”**

Hands-on Cadaver workshop for Neuromodulation in Pain :

For the very first time in India, a dedicated cadaver workshop focused on “Neuromodulation for Pain” was conducted for “Hands on Training” on fresh frozen cadavers at MGMIHS in an AC hall with perfect infrastructure. This was wholeheartedly supported by the MGMIHS management and also by all major Implant Cos.: Medtronic, Boston, Abbott and Saluda which provided the implants. About 60 registrants from different disciplines participated with hands on training by top 20 faculty with Dr Steven Falowski (INS) and Dr Preeti Doshi as In-Charge for meticulous planning and execution. We received excellent feedback for this unique workshop. We aim to conduct such workshops on a regular basis under the aegis of TNS.



1.CADAVER WORKSHOP ACTIVITIES

2. PLAQUE PRESENTATION TO THE PLENARY TALK GIANTS

Day 2 and 3

Comprehensive academic program, covering engaging topics in Pain, Neurosurgery, Neurology, Psychiatry, Cardiology and Urology with two parallel halls.

PLENARY TALKS ON NOVEL TOPICS : INS LEADERSHIP WITH PACKED AUDIENCE



Our Keynote speakers

3. LECTURES ON DAY 2 & 3 WITH INTERACTIVE FOCUSED AUDIENCE



4.NETWORKING OPPORTUNITY WITH FACULTY, CO-DELEGATES AND EXHIBITORS OUTSIDE THE LECTURE HALLS

We are pleased to announce that all the registered doctors were awarded 4 Credit hours for the conference and 2 credit hours for the workshop by the Maharashtra Medical Council in addition to one additional for each category for the faculty members.



5. PRECONFERENCE FACULTY DINNER - 10TH NOV 22: FUN AND FROLIC WITH FLAVOURS OF STREET FOOD OF MUMBAI

**Cultural And
Entertainment
Events
In The Evening**



DAY 1

EVENING ENTERTAINMENT - 11TH NOVEMBER 2022

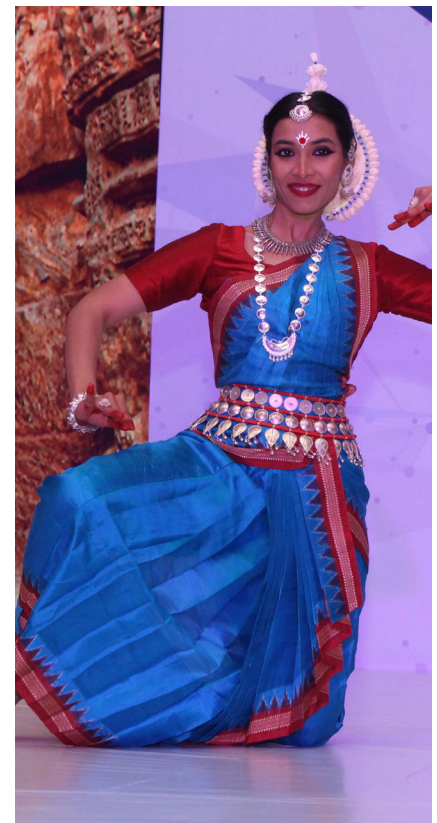


**Mesmerizing Music
By Maestros
Hosted By Jaslok
Hospital And
Research Centre,
Mumbai**



DAY 2

EVENING ENTERTAINMENT - 12TH NOVEMBER 2022



Cultural Dance Forms Of India

INS LEADERSHIP IN INDIAN ATTIRE ENJOYING THE EVENING



DANCE COMPETITION INDIA VS REST OF THE WORLD -A TIE !!!



Kudos To The Enthusiasm Of International Participants All Dressed As Per Dress Code In Sarees And Sherwanis

FEEDBACK BY INTERNATIONAL AND NATIONAL PARTICIPANTS

Marc Russo

Huge congratulations to Paresh, Preeti and the whole team. This is the best Interim Meeting of the INS that has ever been held. It's set the benchmark by which future meetings will be judged.

Best wishes and safe travels for all.

Marc Russo



Dear Preeti and Paresh,

After the tremendous experience, both scientifically and cultural spoken, I have returned home safely, however my mind is still on Mumbai. Thank you so much for all you did to get the IM meeting finally going and inviting me. Your hospitality was fantastic. I have enjoyed every minute. Now I hope you have time to enjoy and relax a bit. Warmest Regards
Mike DeJongste

14:37



Dear Preeti and Paresh, many thanks for having us as faculty and congratulations for running such a remarkable, well organised and delightful event! It will set a new benchmark not just for interim but also the main meetings. Well done again & a special thanks for letting us experience the unique Indian culture with music, dance, great food and very special little presents, which I will cherish & will be always a reminder of the wonderful time we had in Mumbai!

20:41

Thank you Paresh and Preeti for organising the most spectacular Neuromodulation conference I have been to in 12years! Both scientific content and hospitality - I have so enjoyed visiting your amazing country.

Sarah

08:08

FEEDBACK BY INTERNATIONAL AND NATIONAL PARTICIPANTS

Past President of INS UK chapter

E Elena Moro 02:12
to me, Preeti

Dear Paresh, dear Preeti,
I could say goodbye to you before leaving today.
Thank you again very much for inviting me and the excellent hospitality! Thank you also for the very nice presents!

Congratulations again for the high quality of the congress, the hard work you have done and the success!

Kind regards,
Elena
President Elect of European academy Of Neurology

Elena Moro, MD, PhD
Professor of Neurology
Movement Disorders Unit, Director
Department of Psychiatry, Neurology, Neurological Rehabilitation and Forensic Medicine, Chair
Centre Hospitalier Universitaire de Grenoble, Grenoble
Alpes University
BP217 38043 Grenoble CEDEX 09 France

Dear Preeti and Paresh,
I trust this finds you well.
I am currently at my parents place in Trivandrum and on the flight I was thinking about the enormous amount effort you have put in despite the stresses of managing during and in the immediate aftermath of Covid. I am so pleased that everyone had the same opinion that it was a phenomenal event and had set the bar very high for future interim meetings. Once again on behalf of all the delegates and the Faculty congratulations for hosting a wonderful meeting. Catch up soon.
Kindest regards Arun

23:41

Dear Paresh Doshi and Preeti Doshi,

I want to extend my gratitude for the invitation to participate in INS-IM2022
The quality of the science at the meeting was exceptional. I was especially impressed by the originality of ideas for faculty based in India.
I made wonderful new connections at the conference.
The conference was impeccably organised. From the beautiful and clear signs to effective use of the conference space. The staff was professional.
The social programme was the best! I have every experienced at a conference. the hotel was great.
I will always have the best memory of the conference. this was my first time in India and left with a deep appreciation for the county.
I want to extend my thank to all the conference committee and staff.
I hope you get some rest after devoting so much to effort this an amazing meeting for all attendees

Thank you
Marom

Marom Bikson
Professor, Biomedical Engineering
The City College of New York of CUNY

Respected Scientist from New York



+91 98450 55453 --Pratibha Matche
Hearty congratulations dear Preeti and Paresh sir for successfully organizing a phenomenal, flawless and power packed Academic extravaganza 🍌🍌 It was a treat to listen and learn from the eminent faculty in the field of neuromodulation all over the world. Cadeveric workshop at MGM was very well organized. Hats off to you both for inviting international faculty of high repute from 27 countries 🌍 involving 80 national faculty to deliver high standard of education. Not only the academics but the entertainment on both days was mesmerizing 🎉🎉
Venue, food, hospitality 🍷🍷 It was a meticulously organised conference with attention to smallest details. Three cheers to both of you and the whole Organizing team for giving us this enriching experience. This conference has changed the mindset of many of the participants from denial to acceptance to try neuromodulation is a great achievement in itself. Thank you for inviting me for this landmark event!

21:00

SHAH
Superb conference . Brilliant lectures ! Awesome management ! Lovely hospitality ! Terrific cultural shows ! Wonderful ambience at the hotel .
Full marks .



Babita Ghai Pain Physician
Dear Drs Doshi (Both of you) Thank you for an amazing well organised academics feast with icing on cake by providing a mesmerising entertainment evening.

National faculty

Raghuram Neurosurgeon

Brilliant conference of Dr Paresh Doshi sir and Dr Preeti Doshi mam. The quality of all the lectures and workshop were too good. The cultural program showcasing our dance forms and music left all of us and the international delegates spell bound . Thanks for making us a part of this memorable meeting.

Dr Niraj Kumar

Thanks a lot Dr Preeti and Paresh Doshi, the power couple of Indian Neuromodulation scenario. It was a pleasure to be part of this wonderful congress. Regards

Vas

They are right. The operation did run seamlessly and automatically that takes tremendous organisation .so now time to relax and rest on your laurels!

Dr Samir Desai Anaesthesia

Congratulations to Pareshbhai-Preetiben and the Collaborating team for providing a Wholesome experience in this meticulously organised conference. Scientific content, Entertainment and Hospitality were top class! This effort will go a long way in establishing the speciality of Neuromodulation as an important modality of patient care in the fields of Pain Medicine, Neurosurgery and Psychiatry in our country.

Thanks Dr Preeti madam Dr Paresh sir for the wonderful conference. Great scientific, practical content and excellent hospitality.

08:58

Comments from national faculty

ANNOUNCEMENT FOR THE NEXT TNS CONGRESS 2023

In line with the enthusiasm and interest shown by the participants, applications were invited for the 2023 TNS Congress in December 2022.

The next TNS Congress has been allocated to one of our esteemed TNS members - Dr Renu Bhatia -A Neurophysiology Dept Consultant at the prestigious AIIMS which will be held in the month of October most likely on the 14th /15th October 2023 in New Delhi.

More details of the venue and scientific program will soon be announced to the members. We look forward to see you all in large numbers. Please stay tuned!!!



Application for Life / Active / Associate Membership

- Life Membership (Rs. 7500/-) Active Membership (Rs. 12500 / yr)
 Associate Membership (Rs.1000 / yr)

Photograph

*Name in full (IN BLOCK LETTERS): _____

*Age and Date of birth: _____ *Sex: _____

*Mailing address with PIN code: _____

*E-mail address: _____

*Telephone: _____ Landline: _____ *Mobile: _____

*Qualifications: _____

*Specialty: _____

*Present appointments and hospital(s) where working, along with address & contact details:

*Affiliation: _____

Date: _____ Signature: _____

Life Membership: Rs. 7500, Active membership Rs. 12,500/year, Associate membership: Rs.1000/year, Draft in the name of: "The Neuromodulation Society"

*Online Bank Transfer Details Name of A/c - **The Neuromodulation Society**

A/c No- **0902104000069933** ,IFSC Code- **IBKL0000902**, Branch- **Jaslok Hospital**, Bank- **IDBI Bank**

Kindly send the completed form by email to : tnsindia2017@gmail.com

Alternatively you may also mail / courier hard copy of completed application and payment (Cheque / DD) to: Dr. Paresh K. Doshi

Director : Dept of Neurosurgery Jaslok Hospital and Research Centre,

15 Dr. G. Deshmukh Marg, Mumbai: 400026 INDIA. Tel : 022 40173185 / +91 9930960960

A) LIFE MEMBER

The members can become the life member Of TNS by applying for the same. Life membership will be offered by payment of onetime fee decided by the Board from time to time. To be eligible for life membership person must have a professional interest in neuromodulation. A postgraduate qualification in the medical specialty is required for the application for life membership. Person desirous to become a life member will have to apply to TNS in the prescribed format.

B) ACTIVE MEMBER

All life members desirous to be a part of International Neuromodulation Society (INS) and are life member of TNS, may become an active member of TNS. This will be entail payment of an annual fee to TNS, which will include the contribution for the TNS. The fees membership shall be determined each year by the board from time to time.

C) ASSOCIATE MEMBER

Persons from allied branches, e.g. psychologist, physiotherapist, nurses etc and students studying neurology can become associate member of the TNS. However, this category of members will not have any voting rights and cannot be nominated for board position. The associate membership fees that will be determined by the Board from