



TNS CONGRESS 2025 5-7 SEPTEMBER 2025

5th ANNUAL CONGRESS OF THE NEUROMODULATION SOCIETY



THE NEUROMODULATION SOCIETY (TNS) CONGRESS 2025 6 September 2025

07:30 - 08:45	Breakfast & Registration
08:45 - 09:00	Welcome & Introduction
Chairpersons Sumantra Chatta	arji, Bhaskar Ghosh, Biman Kanti Ray
09:00 - 09:20	Mark R Baker Clinical Application of TMS in Neurology: Past, Present and Future
09:20 - 09:40	Basabjit Das Cervical Spinal Cord Stimulation: All That You Need to Know
09:40 - 10:00	Preeti Doshi Non-Invasive Neuromodulation for Chronic Pain
	10:00 - 10:20 Tea Break
Chairpersons R. P Sengupta O	BE, Pramod Pal, Hrishikesh Kumar, Preeti Doshi, Sandeep Vaishya
10:20 - 11:00	Presidential Oration:
	Paresh Doshi
	Challenging Cases in Functional Neurosurgery
11:00 - 11:30	Hagai Bergman Towards Asleep DBS: Where Do We Stand?
Inaugura	tion of the I-NK Neuromodulation Centre of Excellence by the <i>Timeless Maestro of Neurosurgery</i> Prof. (Dr.) R. P. Sengupta, OBE
Chairpersons Kalyanbrata Bha	ttacharya, Arabinda Mukherjee, Shankar Prasad Saha
11:40 - 12:00	Stuart N Baker My Journey of Developing Non-Invasive Neuromodulation in Stroke and Spinal Cord Injury: From Monkey to Patients
12:00 - 12:20	Gautam Saha Repetitive Transcranial Magnetic Stimulation in Psychiatry - Past, Present and Future
12:20 - 12:40	Pramod Pal A Panoramic View of Evolution of Neuromodulation in India
12:40 - 13:00	Nand Kumar Neuromodulation in Addiction: Modulating Reward and Control Circuits in Substance Use Disorders

6 September 2025

13:00 - 14:00	Lunch & Poster Session	
13:00 - 14:00	Interesting Case Presentations Related to Neuromodulation	
	Neurology	Neuropsychiatry
	Experts: Guruprasad Hosurkar Niraj Kumar	Experts: Sachin Baliga Praveen Kumar
	Coordinator: Soumava Mukherjee	
	Presenters: • Jaslovleen Kaur • Heli Shah • Divya MR • Arunmozhimaran Elavarasi • Neha Pandita • Debayan Dutta • Avneet Saini	Presenters:
14:00 - 14:30	General Body Meeting	

Parallel Session

Neurology	Neurosurgery & Pain	Neuropsychiatry	
Chairpersons Kartik Chandra Ghosh, Shivam Om Mittal	Chairpersons Preeti Doshi, Soumava Mukherjee	Chairpersons Sachin Baliga, Uday Chaudhuri	
Coordinator: Sahil Mehta			
14:30 - 14:45	14:30 - 14:45	14:30 - 14:45	
Hagai Bergman Information Processing in Basal Ganglia: Healthy vs Parkinson's Disease	Krishna Poddar Neuromodulation for Refractory Headache	Praveen Kumar rTMS in Functional Neurological Disorders	
14:45 - 15:00 Divyani Garg Neuromodulation in Atypical Parkinsonism – Promise or Illusion?	14:45 - 15:00 Hitesh Patel Dorsal Root Ganglion (DRG) as a Target for Neuromodulation	14:45 - 15:00 Shyam Sundar Arumugham Integrating Neuromod- ulation in Care of Tourette Syndrome: TMS, DBS, and Beyond	
15:00 - 15:15	15:00 - 15:15	15:00 - 15:15	
Rukmini Mridula <i>Managing Dysarthria and Ataxia After Vim DBS - A Clinical Puzzle</i>	Hemant Kalia Current Landscape for Peripheral Nerve Stimulation and Future Application	Sreeraj VS Neuromodulation in Schizophrenia: Bridging Neurocircuitry, Psychiatry, and Technology	
15:15 - 15:25 Q & A	15:15 - 15:25 Q & A	15:15 - 15:25 Q & A	
15:25 - 15:45 Tea Break			

6 September 2025

Parallel Session

	Parallel Session			
Neurology	Neurosurgery & Pain	Neuropsychiatry		
Chairpersons Prasenjit Sengupta, Rupam Borgohain	Chairpersons Jayesh Thakrar, Hemant Kalia	Chairpersons Gautam Saha, Nand Kumar		
15:45 - 16:00 Sahil Mehta DBS for PD & Dystonia: The Genetic Factor Uncovered	15:45 - 16:00 Nana Morkane Radio Frequency Ablation (RFA) - Neuro- modulation Modality for Chronic Pain	15:45 - 16:00 Kaviraja Udupa Non-Invasive Transcranial Electrical Stimulation in Neurology & Neuropsy- chiatry		
16:00 - 16:15 Jacky Ganguly Getting Started with DBS Programming in Movement Disorders: Integrating Brain Sensing for Precision Therapy	16:00 - 16:15 Milind S Deogaonkar DBS for Movement Disorders Other Than PD	16:00 - 16:15 Nitish Kamble Non-Invasive Vagus Nerve Stimulation: Expanding Horizons in Neurological and Neuro- psychiatric Disorders		
16:15 - 16:30 Guruprasad Hosurkar <i>Adaptive DBS: The Future of Personalized Neuromodulation</i>	16:15 - 16:30 Shabari Girishan <i>DBS Complications and Management</i>	16:15 - 16:30 Jagadisha Thirthalli Role of Neuromodula- tion in Depression		
16:30 - 16:40 Q & A	16:30 - 16:40 Q & A	16:30 - 16:40 Q & A		
	16:40 - 17:00 Tea Break			
Neurology	Discussion	Neurosurgery		
Chairpersons Sandip Pal, Ansu Sen		Chairpersons Rukmini Mridula, Tanmoy Maiti		
3-113-11111		Coordinator: Deepak Das		
17:00 - 17:15 Charulata Sankhla Secondary Dystonia and DBS: A Tough Call - A Neurologists' Perspective 17:15 - 17:30 Abhishek Lenka	17:00 - 17:30 How to Enhance the Acceptance of Neuro-modulation for Neurology and Neurosurgery Moderator: Paresh Doshi Panelist:	17:00 - 17:15 Anandh Balasubramaniam GPi or STN DBS? 17:15 - 17:30 Raghuram		
Spinal Cord Stimulation for Orthostatic Hypotension	Sandeep VaishyaHrishikesh KumarSatyakam Baruah	Gopalakrishnan Role of Lesioning in Movement Disorders		
17:30 - 17:45 Soaham Desai Neuromodulation in Functional Movement Disorders: Rewiring the Disconnect	17:30 - 18:00 How to Enhance the Acceptance of Neuro-modulation for Pain Moderator: Preeti Doshi	17:30 - 17:45 Gurneet Singh Sawhney Pallidothalamic Tract - A Potential New Target		
17: 45 - 18:00 P Vijayashankar From Cortex to Depth: Clinical Advances in Deep TMS	Panelist: • Ravi Shankar Sharma • Snehal Panchal • Anandh Balasubramaniam	17:45 - 18:00 Akshat Kayal Redo DBS - What to look out for?		
		18:00 - 18:10 Q & A		
18:00 - 18:10 Q & A		18.00 - 18.10 Q & A		

6 September 2025

	nber 2025
Flash Talks - Neurology	Ask the Expert - Neurosurgery
Chairpersons	18:20 - 19:30
Arijit Chattopadhyay, Mark Baker, Jacky Ganguly	Challenging Cases of Functional Neurosurgery
Coordinator: Arindam Ghosh	(Case 6 mins each followed by
18:20 - 18:30	brief discussion)
Dinkar Kulshreshtha	Experts:
Low-Intensity Focused Ultrasound	Raghuram Gopalakrishnan Pettarusp Wadia
Stimulation (LIFU): Non-Invasive	Pettarusp Wadia
Precision Neuromodulation	Presenters:
10.70 10.40	Neha Rai
18:30 - 18:40	Manish Baldia Daisah Alumah
Suvorit Bhowmick	Rajesh AlugoluDeepak Das
Optogenetic Neuromodulation:	- Deepak Das
Precision at the Speed of Light	
18:40 - 18:50	
Mitesh Chandarana	
Neuroimmune Modulation:	
The Brain-Immune Axis	
18:50 - 19:00	
Arushi Gahlot Saini	
DBS for Neurological and Neuropsy-	
chiatric Disorders in Children	
19: 00 - 19:10	
Lulup Kumar Sahoo	
Brain-Computer Interfaces (BCI) in	
Neuromodulation: Science Fiction or	
Near Future?	
19:10 - 19:20	
Kuldeep Shetty	
Dual-Target DBS: Who Really Needs It?	

'Nazm-o-Naghma' by Pratyush and Utkarsh Sharma -A Musical Evening of Hindi Old Melodies and Ghazals & Dinner

19:20 - 19:30 | Q & A



7 September 2025

07:00 - 08:00	Breakfast		
Chairpersons			
Hagai Bergman,	Hagai Bergman, Atanu Biswas, Debasis Basu		
08:00 - 08:20	Hemant Kalia		
	Recent Advances in Intrathecal Drug Delivery and Novel Dosing Paradigm		
08:20 - 08:50	Birinder Singh Paul		
	Ethical Aspects of Neuromodulation in Neurological & Neuropsychiatric Disorders		
08:50 - 09:10	Hrishikesh Kumar		
	Gait and Balance Disorders: Physiology to Neuromodulation		
	9:10 - 9:30 Tea Break		
Chairpersons Pahari Ghosh, Sa	njay Pandey, Hemant Kalia		
09:30 - 09:50	Rupam Borgohain		
	Long-term Outcome of DBS in Parkinson's Disease		
09:50 - 10:10	Ennapadam S Krishnamoorthy		
	Stimulating the Vagus Nerve - Healing Mind, Body and Soul		
10:10 - 10:30	Pettarusp Wadia Managing Gait and Speech Issues After DBS in Parkinson's		
	Disease		
	10:30 - 10:40 Short Break		
Chairpersons Vinay Goyal, Ash	is Datta, Mona Tiwari		
10:40 - 11:10	Arjune Sen		
	Application of Neuromodulation in Managing Epilepsy		
11:10 - 11:30	Sandeep Vaishya		
	Implanted Vagus Nerve Stimulation in the Management of Neurological and Neuropsychiatric Disorders		
11:30 - 11:50	Mohit Bhatt		
	Supplementary Motor Area as a Target for Neuromodulation		
	11:50 - 12:00 Tea Break		

7 September 2025

Parallel Session

Neurology	Neurosurgery	Pain
Chairpersons Arjune Sen, Amit Haldar	Chairpersons Parthasarathi Datta, Anandh Balasubramaniam	Chairpersons G.K. Kumar, Manjusha A Shinde
Coordinator: Arindam Ghosh		
12:00 - 12:15 Sanjay Pandey The Indian Neuromodulation Registry: Need of the Hour	12:00 - 12:15 Tanmoy Maiti Setting up a DBS Surgery Program	12:00 - 12:15 Gautam Das Ways to Differentiate Between Different Types of Refractory Pain and Choosing the Right Option
12:15 - 12:30 Shivam Om Mittal Progression in Infusion Therapy in Movement Disorders	12:15 - 12:30 Ravi Gopal Varma DBS for PD - What Has Changed?	12:15 - 12:30 Sunita Lawange <i>Targets and Mechanism of Neuromodulation for Pain Management</i>
12:30 - 12:45 Prashant Jauhari Non-invasive Neuromodulation in Drug Refractory Paediatric Epilepsy	12:30 - 12:45 Nirmala Shankar Targeting for DBS of Movement Disorders	12:30 - 12:45 Sanjay Pandey Sacral Nerve Stimulation - Application in Clinical Practice
12: 45 - 12:55 Q & A	12: 45 - 12:55 Q & A	12: 45 - 12:55 Q & A

12:55 - 14:00

Challenging Cases in Neurology (Related to Neuromodulation)

Experts:

Sanjay Pandey Charulata Sankhla

Coordinator:

Adreesh Mukherjee

Presenters:

- Vaibhav Mathur
- Sneha Kamath
- Shivani Rath
- · Hema Krishna P
- Narendra Barad

14:00 - Conclusion of TNS CONGRESS 2025 with Valedictory Function and Lunch

