

# CRC-CRTP for Neuromodulation in Psychiatry and CIP, Ranchi



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**TWO DAYS CME AND  
HANDS-ON  
TRAINING  
WORKSHOP on TMS  
AT CIP, RANCHI  
(10-11<sup>th</sup> January 2023)**

\*Registration is free, but mandatory

# HANDS ON TRAINING

The Hands-on-Training workshop is one of its kind in India delivering hands-on training in administration of rTMS Therapy. The training will cover the following topics in practice -

- Principles and Mechanism of TMS
- Safety Screening pre TMS administration
- 10-20 EEG System Localization
- Neuronavigation Guided TMS Demonstration  
Motor- threshold determination
- Stimulus-dosing and treatment technique  
Evidence-based protocol demonstration
- Risks and complications associated with TMS  
Post TMS treatment management
- Clinical and non-clinical research applications





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**10-01-2023 (Tuesday), Forenoon: Training the trainers**  
**Venue: R B Davis Hall, Satyanand Teaching Block, CIP, Ranchi**

	Topic	Resource person/s	Time
1	Investigative TMS in CRC in Psychiatry	Prof. K Muralidharan, NIMHANS	09.00 – 09.45
2	TBS in CRC in Psychiatry	Dr. Urvakhsh Mehta, NIMHANS	09.45 – 10.30
3	Deep TMS	Prof. Nishant Goyal, CIP	10.30 – 11.00
Tea break			
4	Group Discussion	Moderators Dr Umesh S and Dr Sreeraj V.  Panelists Prof. Jagadisha Thirthalli, Prof. Muralidharan, Dr. Urvakhsh & Dr. Nishant	11.15-12.30

**10-01-2023 (Tuesday), Afternoon: CME on TMS**  
**Venue: R B Davis Hall, Satyanand Teaching Block, CIP, Ranchi**

	Topic	Resource person/s	Time
	Inauguration of the CME	Chief Guest Prof. Jagadisha Thirthalli, Prof. of Psychiatry, NIMHANS  Guest Prof. G. Venkatasubramanian, Prof. of Psychiatry, NIMHANS & PI, CRC for Neuromodulation in Psychiatry*	1345-1415

\*Would be joining online



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**10-01-2023 (Tuesday), Afternoon: CME on TMS**  
**Venue: R B Davis Hall, Satyanand Teaching Block, CIP, Ranchi**

	Topic	Resource person/s	Time
1	Principles & applications of TMS	Prof. K Muralidharan, NIMHANS	1415-1500
2	Patterned TMS and its application in psychiatry	Dr. Urvakhsh Mehta, NIMHANS	1500-1530
3	Recent advancements in TMS	Dr. Sreeraj V. & Dr. Umesh S. NIMHANS & CIP	1530-1600
4	Panel discussion and Open house discourses on <ul style="list-style-type: none"><li>• Applicability</li><li>• Pragmatics</li><li>• Ethics</li><li>• Safety standards</li></ul>	Moderators Dr Umesh S. and Dr Sreeraj V.  Panelists Prof. Jagadisha Thirthalli, Prof. Muralidharan, Dr. Urvakhsh & Dr. Nishant	1600-1630

**11-01-2023 (Wednesday), Forenoon: Hands-on training workshop on TMS**  
**Each with Batch of 20 participants**  
**Venue: K S Mani Centre for Cognitive Neurosciences, CIP, Ranchi**

**Afternoon: SOCRATIS Training**  
**Venue: R B Davis Hall, CIP**

	Topic	Resource person/s	Time
1	Device & Coils	KMD, UMM, NG, US, VSS along with CRTF fellows	0900-1300 (continue to afternoon based on number of participants)
2	Hotspot, RMT, AMT		
3	TMS-EMG: MEP & paired pulse stimulation		
4	Localization of target regions: DLPFC, mPFC, TPJ, Cerebellum, etc.,		
5	Setting-up TMS: HF, LF, cTBS, iTBS		
6	<b>SOCRATIS Training Programme</b>	Dr. Urvakhsh Mehta, Additional Professor of Psychiatry, NIMHANS	1400-1700






### Contact

Prof.(Dr) Nishant Goyal

 [psynishant@gmail.com](mailto:psynishant@gmail.com); 09431171162

Dr Umesh S

 09771702403

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