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Indian Society of
Neuroanaesthesiology
and Critical Care

ANCU 2020

Presents

1ST CONFERENCE OF NEUROCRITICAL CARE SOCIETY OF INDIA NCSI-VIRTUAL

2nd - 4th October, 2020

Back to Basics...Eyes on the Future!!



SCIENTIFIC PROGRAM

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| TIME | TOPIC | SPEAKER |
|---------------------|---|--------------------------------|
| 08:00 - 08:15 am | Registration | |
| 08:15 - 09:00 am | Trauma: Let's see the finer print Moderator: Dr. Venkatesh H Kesavan | |
| 08:15 - 08:35 am | Target Temperature management in TBI: Is it still a valid option? | Dr. Yashiro Kuroda |
| 08:35 - 08:50 am | High PEEP: Is it a deterrent in raised ICP | Dr. Sanjith Saseedharan Saroja |
| 08:50 - 09:00 am | Discussion | |
| 09:00 - 09:40 am | Interactive Case Discussion 1: Critical care management of Cervical Spine Injury Moderator: Dr. Ranadhir Mitra | |
| | Panelists: Dr. S K Rajan, Dr. G.P Singh, Dr. Devendra Gupta, Dr. Saurabh Bhargava | |
| 09:40 - 10:25 am | Pharmacology: It's not always boring Moderator: Dr. K J Choudhury | |
| 09:40 - 09:55 am | Tranexamic acid in Neuro ICU: current status | Dr. Indranil Ghosh |
| 09:55 - 10:15 am | Antiplatelet & NOAC reversal | Dr. Rajsrinivas Parthasarathy |
| 10:15 - 10:25 am | Discussion | |
| 10:25 - 11:10 am | Sepsis: Cleansing the dirty minds Moderator: Dr. Rati Bansal Goel, Dr. Mukesh Kumar Gupta | |
| 10:25 - 10:40 am | ECMO in Neurocritical Care | Dr. Sandeep Dewan |
| 10:40 - 11:00 am | Choosing Antibiotics in Neurocritical care | Dr. Subramanian S |
| 11:00 - 11:10 am | Discussion | |
| 11:10 - 11:55 am | Interactive Case Discussion 2: Dilemma in Meningoencephalitis Moderator: Dr. Sumit Singh | |
| | Panelists: Dr. Namita Jaggi, Dr. C S Narayanan, Dr. Tapeshe Bansal, Dr. Subramanian S | |
| 11:55 am - 12:45 pm | COVID and More Moderator: Dr. Nidhi Bidyut Panda | |
| 11:55 - 12:20 pm | Guidelines for NCC in COVID-19 | Dr. Masao Nagayama |
| 12:20 - 12:25 pm | Discussion | |
| 12:25 - 12:40 pm | Blood Transfusion Practices in Neurocritical Care: Restricted or Liberal? | Dr. Radhakrishnan M |
| 12:40 - 12:45 pm | Discussion | |

| TIME | TOPIC | SPEAKER |
|-------------------------|--|-------------------------------|
| 12:45 - 01:15 pm | Inauguration | |
| 01:15 - 02:10 pm | Potpourri Moderator: Dr. Rajshree Deopujari, Dr. Rajshree Gandhe | |
| 01:15 - 01:30 pm | Research gaps in TBI guidelines | Dr. Sriganesh Kamath |
| 01:30 - 01:45 pm | Role of Neurophysiological Monitoring in Neurocritical Care | Dr. Dheeraj Masapu |
| 01:45 - 02:00 pm | Nutrition in Neuro ICU is it any different | Dr. Subhal Dixit |
| 02:00 - 02:10 pm | Discussion | |
| 01:30 - 03:30 pm | Presentation - Case reports | White Hall |
| | Jury: Dr. Suparna Bhardwaj, Dr. Nitin Manohar | |
| TIME | TOPIC | PRESENTER |
| 01:30 - 01:40 pm | Role of FATE in management of patients with aortic stenosis for emergency neurosurgery | Dr. Dona Saha |
| 01:40 - 01:50 pm | Anaesthetic Consideration in Pregnancy for Neurosurgical Semi-elective Patients: Case Series of 2 Patients | Dr. Amiya Kumar Barik |
| 01:50 - 02:00 pm | Title: Perioperative management of huge parieto-occipital space occupying lesion- Double head appearance | Dr. Aparna |
| 02:00 - 02:10 pm | Management of difficult airway secondary to orolingual angioedema in a Covid suspect patient presented with stroke for emergency thrombectomy. A case report | Dr. Archisha Kapoor |
| 02:10 - 02:20 pm | Anaesthetic challenges during Mechanical Thrombectomy for Acute Ischemic Stroke in the COVID Era- A Case Series | Dr. Aishvarya Shree |
| 02:20 - 02:30 pm | Grand total resection of largest documented brain tumour in two month old infant: Anesthetic challenge | Dr. Nikhil Kumar Singh |
| 02:30 - 02:40 pm | Spontaneous Intracranial Hypotension – Diagnostic and management challenges | Dr. Rashmi Patil |
| 02:40 - 02:50 pm | Salt wasting syndrome without cerebral insult! What about Spinal Cord Injury? | Dr. Vattipalli Sameera |
| 02:50 - 03:00 pm | Title: Case of Spontaneous Cervical Epidural Hematoma and Bilateral Primary Spontaneous Pneumothorax Caused by a Rare Etiology | Dr. Sapna Suresh |
| 03:00 - 03:10 pm | Anaesthetic Management of Giant intracranial aneurysm | Dr. Shubhina Gupta |

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| 03:10 - 03:20 pm | Severe Bradycardia after applying subgaleal negative pressure drani-one mustknow the fact | Dr. Teena Bansal |
| 03:20 - 03:30 pm | Anaesthetic Management of Moya Moya Disease | Dr. Vikrant Goswami |
| 03:30 - 03:40 pm | Transcranial Doppler - an underrated monitoring tool in neurointensive Care | Dr. Teena Desai |
| 03:40 - 03:50 pm | Successful prolonged cardiopulmonary resuscitation (CPR) for intraoperative cardiac | Dr. Alankrita Aishwarya |
| 11:30 am - 04:00 pm | Mechanical Ventilation Workshop – Workshop Hall Workshop Coordinator: Dr. Jeetendra Sharma | |
| 04:30 - 08:00 pm | TCD Workshop – Workshop Hall Workshop Coordinator: Dr. Saurabh Anand, Dr. Arvind Sharma | |

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|---------------------|---|---------------------------|
| 08:00 am - 05:00 pm | Workshop Hall: ANC course ANC coordinator: Dr. Keshav Goyal | |
| 08:30 - 11:30 am | Free Paper Presentation | <i>White Hall</i> |
| TIME | TOPIC | PRESENTER |
| | Jury: Dr. H H Dash, Dr. Pramod Bithal, Dr. Virendra Jain | |
| 08:30 - 8:40 am | Use of Dexmedetomidine in MAC verses General Anesthesia for Burr hole and evacuation of chronic sub Duralhematoma(CSDH) surgery | Dr. Aarti Gupta |
| 08:40 - 8:50 am | Anaesthetic concerns during pituitary adenomas | Dr. Aishwarya |
| 08:50 - 9:00 am | Comparison of Intravenous Dexmedetomidine with Local Infiltration of Ropivacaine in Attenuation of Stress Response to Skull Pin Insertion During Craniotomies in Neurosurgery Patients | Dr. Akanksha |
| 09:00 - 9:10 am | Comparision of dexmedetomidine with ketamine for their effects on amplitude of motor evoked potential intraoperatively | Dr. Anita Swami |
| 09:10 - 9:20 am | An Audit Of The Percutaneous Tracheostomies Performed During Covid - 19 Era (From March To September 2020) | Dr. Ashutosh Kumar |
| 09:20 - 9:30 am | To Determine the Incidence and Risk Factors of Post-Operative Pulmonary Complications after Craniovertebral Junction Anomaly Surgery | Dr. Ashwini Reddy |
| 09:30 - 9:40 am | A prospective randomized controlled trial to study the effect of two different tidal volumes (6-8mL/kg vs 12-15mL/kg) on the time to wean from the ventilator in patients with an acute traumatic cervical spine injury | Dr. Deep Sengupta |
| 09:40 - 9:50 am | Optic Nerve Sheath Diameter guided Optimal Mannitol therapy for reduction of Intra Cranial Pressure in Traumatic Brain Injury Patients | Dr. Garima Sinha |
| 09:50 - 10:00 am | Incidence of Hypovolemia in Preoperative Period and its Correlation with Induction Hypotension in Patients with Aneurysmal Subarachnoid Haemorrhage | Dr. Guru Charan |
| 10:00 - 10:10 am | Dermatological manifestations in the intensive care unit – A prospective study | Dr. Heena Gupta |
| 10:10 - 10:20 am | Comparison of thoracic vs lumbar spinal anaesthesia for orthopaedic surgeries | Dr. Loveleen Kour |
| 10:20 - 10:30 am | Thoracolumbar interfascialplane(TLIP) block compared toErector Spinae plane(ESP) block for postoperative analgesia in lumbar spine surgery: A randomised controlled trial | Dr. Manisha |

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| 10:30 - 10:40 am | Serum lactate, base deficit and serum glucose levels as prognostic markers in Severe Traumatic Brain Injury | Dr. Ratnesh Shukla |
| 10:40 - 10:50 am | Point Of Care Ultrasonography (POCUS) of optic nerve sheath to assess changes in intracranial tension after Endoscopic Third Ventriculostomy (ETV) in paediatric patients with hydrocephalus | Dr. Rushda Rahman |
| 10:50 - 11:00 am | Emergency Endotracheal Intubation in Neurological Emergency Department in Covid Era – Our Institutional Experience | Dr. Salini R Varma |
| 11:00 - 11:10 am | Use of natural probiotic based enteral feed reduces the incidence of diarrhea in critically ill patients | Dr. Vijetha N |
| 11:10 - 11:20 am | Effect of dexamethasone on Aquaporin-4 (AQP-4) levels in different regions of the cerebral cortex in a murine model of cerebral cortical injury | Dr. Wilson Prashanth |
| 11:20 - 11:30 am | Pediatric head injury and long-term outcomes | Dr. Phelix Rufus |
| 11:30 - 03:30 pm | EEG Workshop – Workshop Hall Workshop Coordinator: Dr. Manish Mahajan | |

Grey Hall

| TIME | TOPIC | SPEAKER |
|------------------|---|-------------------------|
| 03:00 - 04:00 pm | Dr. G S Umamaheswara Rao Oration Moderator: Dr. Sriganesh Kamath, Dr. Radhakrishnan M | |
| | Use of High flow Nasal Cannula in Intensive Care Unit | Dr. J J Rouby |
| 04:00 - 04:40 pm | Seize the Day | |
| | Panel Discussion 1 Practical points about antiepileptics – Are we ready to change our practice? Moderator: Dr. Ashish Bindra | |
| | Panelists: Dr. C B Rathore, Dr. Sandeep Vaishya, Dr. Yashiro Kuroda, Dr. Dhritiman Chakrabarti | |
| 04:40 - 05:30 pm | Addressing the “Grey Area” Moderator: Dr. Pragati Ganjoo | |
| 04:40 - 05:00 pm | BP control in AIS | Dr. Vijay Sharma |
| 05:00 - 05:20 pm | Acute Stroke Management: What is new | Dr. Andrei V Alexandrov |
| 05:20 - 05:30 pm | Discussion | |

| TIME | TOPIC | SPEAKER |
|------------------|---|---------------------------------|
| 05:30 - 06:10 pm | Interactive Case Discussion 3: Management of Cerebral Edema in Neurocritical Care Moderator: Dr. Saurabh Anand | |
| | Panelists: Dr. Jose I Suarez, Dr. G P Rath, Dr. Aditya Gupta, Dr. Yashiro Kuroda | |
| 06:10 - 06:55 pm | All White is Not Bright Moderator: Dr. Amit Batra | |
| 06:10 - 06:30 pm | Haematoma Expansion in ICH: Can we really predict & prevent it? | Dr. Jose I Suarez |
| 06:30 - 06:45 pm | Future of Minimally Invasive Surgery in ICH | Dr. Aditya Gupta |
| 06:45 - 06:55 pm | Discussion | |
| 06:55 - 08:00 pm | Seeing is Believing Moderator: Dr. Shashi Shrivastav, Dr. Ann Compos | |
| 06:55 - 07:10 pm | Hyponatremia & CPM: Is it worth the worry? | Dr. Unnikrishnan |
| 07:10 - 07:30 pm | Cerebral Haemodynamic assessment: Is TCD a reliable tool? | Dr. Andrei V. Alexandrov |
| 07:30 - 07:50 pm | DCI: What should be an Ideal Management protocol: Is there anything new | Dr. Jose I Suarez |
| 07:50 - 08:00 pm | Discussion | |
| 08:00 - 08:40 pm | Interactive Case Discussion 4: Management of Cerebral Venous Thrombosis Moderator: Dr. Rajsrinivas Parthasarathy | |
| | Panelists: Dr. Andrei V Alexandrov, Dr. Arvind Sharma, Dr. Vipul Gupta, Dr. Radhakrishnan M | |
| 08:40 - 09:20 pm | EVD: Gain or Pain | |
| | Panel Discussion 2 EVD - The Practice Guidelines Moderator: Dr. V Ponniah | |
| | Panelists: Dr. Jose I Suarez, Dr. Ines Koerner, Dr. H H Dash, Dr. Anurag Sharma | |

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| TIME | TOPIC | SPEAKER |
|-------------------------|---|----------------------------------|
| 08:15 - 09:30 am | Tom & Jerry: Debate Sessions | |
| | Jury: Dr. Bibhukalyani Das, Dr. Arvind Chaturvedi, Dr. Hemangi Karnik | |
| 08:15 - 08:35 am | TEG based transfusion strategy in patient on antiplatelet & anticoagulants in Neuro ICU | |
| | YES, it is worth | Dr. Manish Marda |
| | NO, it is useless | Dr. Ajay Prasad Hrishi |
| 08:35 - 08:40 am | Discussion | |
| 08:40 - 09:00 am | Is IVC Measurement good enough for fluid management? | |
| | YES, it is | Dr. Obaid Siddiqui |
| | NO, it is not | Dr. Durgesh J Satalkar |
| 09:00 - 09:05 am | Discussion | |
| 09:05 - 09:25 am | MMM makes a difference in TBI | Dr. Ankur Luthra |
| | ICP Monitoring is enough in TBI | Dr. Sucharita Chakravarti |
| 09:25 - 09:30 am | Discussion | |
| 09:30 - 10:15 am | Holding the bull by its horns | |
| | Panel Discussion 3 Ethical & Legal Issues in Neuro ICU Moderator: Dr. Jeetendra Sharma | |
| | Panelists: Dr. A Arya, Dr. G S Umamaheswara Rao, Dr. Yatin Mehta, Dr. Dhruv Choudhary, Dr. Geetender Sharma | |
| 10:15 - 11:30 am | Tom & Jerry: The chase continues | |
| | Jury: Dr. M M Mehndiratta, Dr. Pramod Bithal, Dr. Rajiv Chawla | |
| 10:15 - 10:35 am | Should treatment be repeated in GBS patient who do not improve? | |
| | YES | Dr. Anshu Rohtagi |
| | NO | Dr. Sumit Singh |
| 10:35 - 10:40 am | Discussion | |
| 10:40 - 11:00 am | Is clipping a dying art | |
| | YES, it is | Dr. Vipul Gupta |
| | NO, it is not | Dr. Aditya Gupta |
| 11:00 - 11:05 am | Discussion | |
| 11:05 - 11:25 am | Should we go ahead with intraventricular thrombolysis in ICH with IVH? | |
| | YES, we should | Dr. Pawan Goyal |
| | NO, we should not | Dr. Subba Reddy |
| 11:25 - 11:30 am | Discussion | |

| TIME | TOPIC | SPEAKER |
|---------------------|--|-------------------------------|
| 11:30 am - 12:15 pm | When Going Gets Tough Moderator: Dr. Anil Parakh | |
| 11:30 - 11:50 am | Management of ICH in decompensated chronic liver disease | Dr. Manikandan S |
| 11:50 am - 12:05 pm | Decompressive Craniotomy in TBI and Stroke | Dr. Karanjit Singh |
| 12:05 - 12:15 pm | Discussion | |
| 12:15 - 12:55 pm | Busting the clot Interactive Case Discussion 3: DVT Management in Neurocritical Care Moderator: Dr. Bidkar Prasanna | |
| | Panelists: Dr. M S Sandhu, Dr. Sumit Sinha, Dr. Virendra Jain, Dr. Harsh Sapra, Dr. Rohini M Surve | |
| 12:55 - 01:35 pm | Current Affairs Moderator: Dr. Sanjay Agarwal, Dr. Mukesh Mohan Gupta | |
| 12:55 - 01:10 pm | Current status of stress ulcer prophylaxis in ICU | Dr. Dalim Kumar Baidya |
| 01:10 - 01:25 pm | Five landmark trials in Neurocritical Care | Dr. Zulfiqar Ali |
| 01:25 - 01:35 pm | Discussion | |

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Mechanical Ventilation Workshop

2nd October, 2020 | 11:30 am – 04:00 pm

Moderator: Dr. Jeetendra Sharma (Artemis Hospital, Gurugram)

| TIME | TOPIC | FACULTY |
|------------------|----------|----------------------|
| 11:30 - 11:40 am | Overview | Dr. Jeetendra Sharma |

The workshop should start with didactic lectures of 20 minutes each.

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| 11:40 am - 12:00 pm | The basics of mechanical ventilation (Variables of MV: Trigger, Cycling, Limit, Ti, Rise Time etc) | Dr. Saurabh Taneja |
| 12:00 - 12:20 pm | Basic Modes | Dr. Sachin Gupta |
| 12:20 - 12:40 pm | Monitoring of patient on Ventilator (Waveforms, loops, compliance etc) | Dr. Sanjeeth |
| 12.40 - 01.00 pm | The future as I see of mechanical ventilation: The Advanced modes | Dr. Sumit Ray |
| 01:00 - 01:20 pm | Non Invasive Mechanical Ventilation | Dr. Neeraj Tyagi |
| 01:20 - 01:40 pm | Disease Specific: ARDS, COPD, TBI | Dr. Suneel Garg |
| 01.40 - 01.50 pm | Lunch break | |

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| 01:50 - 03:50 pm | Discussion Tables 30 min each: Each faculty will log in to four different tables |
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1. The Basics of MV: Dr. Saurabh Taneja & Dr. Sachin Gupta

2. Waveforms and disease specific: Dr. Sanjeeth & Dr. Vaijayanti

3. Advance modes: Dr. Sumit Ray & Dr. Suneel Garg

4. NIV and HFNC: Dr. Neeraj & Dr. Jeetendra Sharma

Transcranial Doppler Workshop

2nd October, 2020 | 04:30 pm – 08:30 pm

Moderators: Dr Saurabh Anand, Dr Arvind Sharma, Dr Amit Batra

| TIME | TOPIC | FACULTY |
|-------------------------|---|-----------------------------|
| 04:30 - 04:50 pm | Basic Physics and Principles of TCD | Dr Amit Batra |
| 04:50 - 05:10 pm | TCD insonation windows, vessel identification | Dr Arvind Sharma |
| 05:10 - 05:40 pm | Interpreting TCD waveforms and concept of PI and RI | Dr Andrei Alexandrov |
| 05:40 - 06:10 pm | Clinical Applications with videos: SAH, Raised ICP, Brain death (30 min) | Dr Andrei Alexandrov |
| 06:10 - 07:10 pm | Carotid Stenosis, Intracranial stenosis Collateral flow: Diagnosis, grading and Risk Stratification (60 min) | Dr Vijay Sharma |
| 07:10 - 07:30 pm | Q & A | |
| 07:30 - 8:30 pm | Case Discussions and Demonstrations | |
| 07:30 - 07:45 pm | Acute Stroke | Dr Andrei Alexandrov |
| 07.45 - 08.00 pm | Right to left shunt/Emboli monitoring (15 min) | Dr Andrei Alexandrov |
| 08:00 - 08:15 pm | Vasomotor reactivity assessment (15 min) | Dr Vijay Sharma |
| | Q & A (15 min) | |

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ACUTE NEURO CARE COURSE (ANC)

3rd October, 2020 | 08:00 am - 05:00 pm

| TIME | TOPIC | FACULTY |
|----------------------------|---|--|
| 08:00 - 08:15 am | REGISTRATION AND PRE TEST COLECTION | |
| 08:15 - 08:40 am | AIRWAY & BREATHING | Dr. Surya Kumar Dube |
| 08:40 - 09:15 am | CARE OF COMATOSE PATIENT FOCUSED NEURLOGICAL EXAM | Dr. Rahul Yadav/ Dr. Priyanka Gupta |
| 09:15 - 09:35 am | TRAUMATIC BRAIN INJURY (TBI) | Dr. Keshav Goyal/ Dr. Siddharth Chavali |
| 09:35 - 09:55 am | TRAUMATIC SPINE INJURY (TSI) | Dr. Niraj Kumar/ Dr. Nitasha |
| 09:55 - 10:15 am | RAISED ICP | Dr. Bidkar Prasanna |
| 10:15 - 10:45 am | RADIOLOGY BASICS | Dr. Nishchint Jain |
| 10:45 am - 12:45 pm | TABLE DISCUSSION | ALL FACULTY |
| | TBI - Dr. Keshav Goyal/ Dr. Siddharth Chavali TSI - Dr. Niraj Kumar/ Dr. Nitasha RADIOLOGY - Dr. Nishchint Jain COMA - Dr. Rahul Yadav/ Dr. Priyanka Gupta | |
| 12:45 - 01:00 pm | REFRESHMENT BREAK | |
| 01:00 - 01:20 pm | SUB ARACHNOID HAEMORRHAGE (SAH) | Dr. Saurabh Anand/ Dr. Parul Sharma |
| 01:20 - 01:40 pm | ACUTE HAEMORRHAGIC STROKE (ICH) | Dr. Saurabh Anand/ Dr. Asish Sahoo |
| 01:40 - 02:00 pm | MENINGITIS & ENCEPHALITIS | Dr. Seema Lachala Dr. Sweetha Mohan |
| 02:00 - 02:20 pm | ACUTE ISCHEMIC STROKE | Dr. V. Ponniah/ Dr. Sarika Juneja |
| 02:20 - 02:40 pm | STATUS EPILEPTICUS | Dr. Ashish Bindra/ Dr. Varun Jain |
| 02:40 - 03:00 pm | NON TRAUMATIC WEAKNESS | Dr. Kiran Jangra |
| 03:00 - 05:00 pm | TABLE DISCUSSION | ALL FACULTY |
| | Haemorrhagic Stroke - Dr. Saurabh Anand/ Dr. Asish Sahoo Ischemic Stroke - Dr. V. Ponniah/ Dr. Sarika Juneja Status Epilepticus - Dr. Ashish Bindra/ Dr. Varun Jain Meningitis/Encephalitis - Dr. Seema Lachala/ Dr. Sweetha Mohan | |

EEG Workshop

3rd October, 2020 | 11:30 am – 03:30 pm

| TOPIC | FACULTY |
|--|--|
| Technical aspects of EEG: 25 minutes | Dr. C B Rathore |
| Normal awake and sleep EEG: 20 minutes | Dr. Saurabh Bansal |
| Demo session with live EEG on technical aspects and normal EEG: 40 minutes | Dr. C B Rathore |
| EEG artifacts: 20 minutes | Dr. Manish Mahajan |
| Interictal and ictal patterns in EEG: 25 minutes | Dr. C B Rathore |
| Demo session with live EEG on artifacts and abnormal patterns: 30 minutes | Dr. Neeraj Baheti |
| EEG in ICU: 20 minutes | Dr. Neeraj Baheti |
| Continuous EEG monitoring: 20 minutes | Dr. Neeraj Baheti |
| Demo-session with live EEG on ICU EEG: 45 minutes | Dr. C B Rathore & Dr. Neeraj Baheti |

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TEAM NEURO CRITICAL CARE



Artemis Agrim Institute of Neurosciences

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► **Organizing Chairman**

Dr. Saurabh Anand

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