# Scientific Program

## Pre-Conference Workshop: 18th October, 2019

**Organized by:**
Department of Neuroanaesthesiology and Critical Care, AIIMS, New Delhi

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**Workshop 1: 18th October, 2019**

8:00am to 1:30pm

**Ultrasound in Neurocritical Care**

*Conference Hall, 1st Floor, JLN Auditorium, AIIMS, New Delhi*

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>08:00 – 08:15 AM</td>
<td>Registrations</td>
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<tr>
<td>08:15 - 08:30 AM</td>
<td>Pre-Test</td>
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<tr>
<td>08:30 – 09:00 AM</td>
<td>Point-of-care Ultrasound: Need of the hour, Ultrasound techniques: Basic Physics</td>
<td>Dr. Puneet Khanna</td>
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<tr>
<td>09:00 - 09:15 AM</td>
<td>Assessment of Airway by Ultrasound (ET intubation, crico-thyroidotomy, tracheostomy, Airway Protocols)</td>
<td>Dr. Manpreet Kaur / Dr. Arnab Dasgupta</td>
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<tr>
<td>09:15 – 09:45 AM</td>
<td>Assessment of Lung by Ultrasound: Normal Lung Signs &amp; Basic Pathologies (Pleural effusion, Alveolar Consolidation, Interstitial Syndrome, Pneumothorax, Diaphragm impairment, chest tube insertion, Respiratory Protocols [BLUE, FALLS])</td>
<td>Dr. Akhil / Dr Rahul / Dr. Seema Lachla</td>
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<tr>
<td>09:45 – 10:15 AM</td>
<td>Introduction to echocardiography: Goals, indications and limitations, Cardiac and caval vein windows</td>
<td>Dr. Bikash Ranjan Ray / Dr. Kiran Jangra</td>
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<tr>
<td>10:15 – 10:30 AM</td>
<td>Coffee Break</td>
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<tr>
<td>10:30 – 10:45 AM</td>
<td>Focused hemodynamic assessment: heart morphology/performance/ Filling state, pericardial effusion/tamponade, IVC variations, pericardiocentesis</td>
<td>Dr. Bikash Ranjan Ray / Dr. Kiran Jangra</td>
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<tr>
<td>10:45 – 11:00 AM</td>
<td>Ultrasound for Brain: Transcranial Doppler, Optic Nerve Sheath Diameter, Pupil assessment, Midline shift</td>
<td>Dr. Suparna Bhardwaj / Dr. Gentle Shrestha Sunder / Dr. Swetha Shree</td>
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<tr>
<td>11:00 – 01:30 PM</td>
<td>Hands-on &amp; Simulation Stations: Airway, Lung, Echo, Fast Scan, ONSD, TCD</td>
<td>ALL Faculty</td>
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<tr>
<td>01:30 - 02:00 PM</td>
<td>Lunch Break</td>
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# Workshop 2

## Intraoperative Neurophysiology (IONP) Workshop

18th October 2019, Time: 2:00 pm – 6:30 pm  
Conference Hall, 1st Floor, JLN Auditorium, AIIMS, New Delhi

## Program

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<th>S No</th>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>1.</td>
<td>02:00 – 02:30 PM</td>
<td>Intraoperative neurophysiology : Introduction</td>
<td>Dr. Ashok Jaryal</td>
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</tbody>
</table>
| 2.   | 02:30 – 03:15 PM | Intra-operative neurophysiology in spinal surgeries (MEP, D wave, SSEP, EMG, Triggered EMG, BCR) | Dr. Megha Bir  
|      |                |                                                                        | Dr. Tanya Kamra              |
| 3.   | 03:15 - 04:00 PM | Intra-operative neurophysiology in supratentorial surgeries (Motor cortex mapping, SSEP phase reversal, dynamic subcortical mapping, language area mapping, ECoG) | Dr. Uditi Gupta              |
| 4.   | 04:00 – 04:30 PM | Intra-operative neurophysiology in skull base and peripheral nerve/plexus surgeries (Cranial nerve mapping) | Dr. Hanjaban Barun Sharma    |
| 5.   | 04:30 – 05:00 PM | Anaesthesia considerations during intraoperative monitoring and mapping: Drugs and delivery protocols, Processed EEG for Burst suppression and Depth of Anaesthesia | Dr. Suparna Bhardwaj         |
| 6.   | 05:00 – 05:45 PM | Mock case discussions                                                  | Dr. Akanksha  
|      |                |                                                                        | Dr. Gyaninder Pal Singh      |
| 7.   | 05:45 – 06:30 PM | Discussion and feedback                                                |                              |

**Workshop 3**

## Cadaveric Airway Workshop

( Separate Registration through [http://acsst.in/](http://acsst.in/) )  
ACSSST: Basement JPNA Trauma Centre, AIIMS, New Delhi

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<thead>
<tr>
<th>Time</th>
<th>Session Details</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>09:00 – 09:20 AM</td>
<td>Course introduction, faculty and participant introduction</td>
<td>Dr. Neeraj Kumar</td>
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<tr>
<td>09:20 – 09:30 AM</td>
<td>Pre test</td>
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<td>Time</td>
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<tr>
<td>09:30 – 11:30 AM</td>
<td>Lectures:&lt;br&gt;• Difficult airway Algorithm&lt;br&gt;• Laryngoscopy&lt;br&gt;• Supraglottic airways&lt;br&gt;• Fiberoptic intubation&lt;br&gt;• Double lumen tube&lt;br&gt;• Surgical Tracheostomy&lt;br&gt;• Percutaneous tracheostomy&lt;br&gt;• Ultrasound as an aid to airway management</td>
<td>Dr. Indu Kapoor&lt;br&gt;Dr. Sachidanand / Dr. Bhagya Ranjan Jena&lt;br&gt;Dr. Obaid Ahmad&lt;br&gt;Dr. Keshav Goyal / Dr. Rachna Wadhwa&lt;br&gt;Dr. Surya Kumar Dube / Dr. Shalendra Kumar&lt;br&gt;Dr. Arvind Kairo&lt;br&gt;Dr. Naveep Sokhal / Dr Purin Chellani&lt;br&gt;Dr. Neeraj Kumar / Dr. Ashutosh Kaushal</td>
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<td>11:30 – 01:00 PM</td>
<td>Demonstration by faculty (15 min. each)&lt;br&gt;• 1 – 2 pm Lunch&lt;br&gt;• 2 – 4 pm Hands on by participants&lt;br&gt;• 4 – 4.30 pm Post-test &amp; feedback</td>
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<tr>
<td>Time</td>
<td>Session 1</td>
<td>Session 2</td>
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<tr>
<td>08:30 – 08:45 AM</td>
<td>Registrations</td>
<td>A Vascular Table</td>
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<td>08:45 – 09:15</td>
<td><strong>The good bad and ugly in Neurosciences</strong></td>
<td>10:30 - 10:45 Moya Moya disease: Perioperative Concerns</td>
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<td>09:15 - 09:30</td>
<td>Is there anything called as Clinical Neuroprotection</td>
<td>10:45 - 11:00 Plastic/Metal in brain: Implication and Complications</td>
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<tr>
<td>09:30 - 09:45</td>
<td>Anesthesia and Neurotoxicity: The Questions unanswered</td>
<td>11:00 - 11:15 Special scenarios during Aneurysm clipping: Adenosine induced flow arrest and Hypothermic circulatory arrest in current practice</td>
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<tr>
<td>09:45 - 09:55</td>
<td>Discussion</td>
<td>11:15 - 11:25 Update: Cerebral vasospasm</td>
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<td>09:55 - 10:00</td>
<td>Quiz</td>
<td>11:25 - 11:30 Discussion</td>
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<td>10:00 – 10:30 AM</td>
<td><strong>Poster viewing over Coffee</strong></td>
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<td>11:30 - 11:35</td>
<td>Quiz</td>
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<td>11:35 - 11:50</td>
<td>Pediatric fluid therapy in Neuroanaesthesia and Critical Care</td>
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<td>11:50 - 12:00</td>
<td>Congenital heart disease for Craniotomy</td>
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<td>12:00 – 12:30</td>
<td>Discussion</td>
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**Session 4**

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<tr>
<th>Time</th>
<th>Session 3</th>
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<tbody>
<tr>
<td>12:30 – 12:35</td>
<td>Zero in on Intracranial Pressure</td>
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**Day 1: 19.10.2019**

**JLN Auditorium, AIIMS, New Delhi**

**Session 1**

- **The good bad and ugly in Neurosciences**
  - Dr. Parmod Bithal, Dr. Anjan Trikha, Dr. G.S.U Rao
  - **08:45 – 09:15** Is there anything called as Clinical Neuroprotection
  - Dr. V.J. Ramesh
  - **09:15 - 09:30** Anesthesia and Neurotoxicity: The Questions unanswered
  - Dr. H. Bhagat
  - **09:30 - 09:45** Update: Year Under Review
  - Dr. G. Kakkar
  - **09:45 - 09:55** Discussion
  - **09:55 - 10:00** Quiz
  - **10:00 – 10:30 AM** Poster viewing over Coffee

**Session 2**

- **A Vascular Table**
  - Dr. R.S. Chouhan, Dr. R. Deopujari, Dr. P.S. Chandra
  - **10:30 - 10:45** Moya Moya disease: Perioperative Concerns
  - Dr. G.P. Rath
  - **10:45 - 11:00** Plastic/Metal in brain: Implication and Complications
  - Dr. S. Anand
  - **11:00 - 11:15** Special scenarios during Aneurysm clipping: Adenosine induced flow arrest and Hypothermic circulatory arrest in current practice
  - Dr. J. Monteiro
  - **11:15 - 11:25** Update: Cerebral vasospasm
  - Dr. C. Mahajan
  - **11:25 – 11:30** Discussion
  - **11:30 - 11:35** Quiz

**Session 3**

- **Pediatric Pinnacle**
  - Dr. Rajeshwari S., Dr. P. Ganjoo, Dr. S. Purohit
  - **11:35 - 11:50** Pediatric fluid therapy in Neuroanaesthesia and Critical Care
  - Dr. Swethashree
  - **11:50 - 12:00** Congenital heart disease for Craniotomy
  - **Moderator:** Dr. M. Tandon
    **Speaker:** Dr. Kiran Kiro, Dr. Ashoo Wadehra
  - **12:20 - 12:30** Discussion
  - **12:30 - 12:35** Quiz
12:35 - 01:15
All you want to know about management of Head injury
- Intracranial pressure Monitoring
- Tiered Management of ICP
- Decompressive craniectomy, Barbiturates, Hypothermia
- Optimal Cerebral Perfusion pressure
- Cerebral autoregulation
Moderator:
Dr. Keshav Goyal
Panelist:
Dr. V. Ponniah, Dr Saurabh Anand, Dr. Virendra Jain, Dr. Vasudha Singhal

01:15 - 01:20 Quiz

1:20 - 02:00 Visit the Exhibitors over Lunch

**Session 5**
**Perioperative Pharmacology**
Dr. Neerja Bharti, Dr. Ratan Chellani, Dr. Madhur Chauhan

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<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>02:00</td>
<td>Total Intravenous anesthesia versus Inhalational anesthesia: Is the debate still on</td>
<td>Dr. Srilata M</td>
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<td>02:15</td>
<td>Updated Pharmacological Armamentarium</td>
<td>Dr. Ajay P. Hrishi</td>
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<td>02:30</td>
<td>Update: Best of Old with a promise of New</td>
<td>Dr. Navdeep Sokhal</td>
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<td>02:40</td>
<td>Discussion</td>
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<td>02:45</td>
<td>Quiz</td>
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**Session 6**
**Monitoring the Injured Brain**
Dr. K.J. Choudhary, Dr. Arvind Arya, Dr. R.B. Singh

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<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>02:50</td>
<td>I am establishing a new Neurocritical Unit at a Medical College / Corporate setup: Which Advanced Neuro monitor should I buy?</td>
<td>Dr. Subrat Singh</td>
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<tr>
<td>03:05</td>
<td>Confused mind: Postoperative Cognitive dysfunction</td>
<td>Dr. Priyanka Gupta</td>
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<tr>
<td>03:20</td>
<td>Measuring the Depth: Burst Suppression MAC and Burst suppression CP50 as a measure of cerebral effect of anesthetics</td>
<td>Dr. Unnikirshna</td>
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<td>03:30</td>
<td>Soaked Lung: Neurogenic pulmonary edema</td>
<td>Dr. Suparna Bhardwaj</td>
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<td>03:45</td>
<td>Discussion</td>
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<td>03:55</td>
<td>Quiz</td>
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<tr>
<td>04:00</td>
<td>INauguration</td>
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<td>04:45</td>
<td>Coffee Break</td>
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**Session 7**
**Clinical Pearls**
Dr. HH. Dash, Dr. Joseph Monteiro

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<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tr>
<td>05:00</td>
<td>Finding balance: Anticoagulants, antiplatelets and managements</td>
<td>Dr. Manish Marda</td>
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<td>Dr. Shivani Jain</td>
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<td>05:20</td>
<td>Stressed kidney: Sodium imbalance</td>
<td>Dr. Pallav</td>
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<td>Dr. Narendra Kaloria</td>
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## Day 2: 20.10.2019

### Session 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>08:45</td>
<td>Defining work life balance</td>
<td>Dr. Kavita Sandhu</td>
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<tr>
<td>09:15</td>
<td>Approach to a patient with status Epilepticus</td>
<td>Dr. Manjari Tripathi</td>
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<td>09:30</td>
<td>Treatment Options for super-refractory status Epilepticus</td>
<td>Dr. Ankur Luthra</td>
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<tr>
<td>09:40</td>
<td>Discussion</td>
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<td>09:45</td>
<td>Quiz</td>
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### Session 2

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<tr>
<th>Time</th>
<th>Topic</th>
<th>Moderator</th>
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<tbody>
<tr>
<td>09:50</td>
<td>Where to treat, Wake up Stroke and IVT, Endovascular therapy, Imaging, Blood Pressure Management, GA Vs Sedation</td>
<td>Dr. V. Ponniah, Dr. Rohit Bhatia, Dr. Anuj Prabharkar, Dr. Suneel Garg, Dr. Priyanka Gupta</td>
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<tr>
<td>10:30</td>
<td><strong>ORATION</strong> - Prof. Saini Dash Bithal</td>
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<td>11:10</td>
<td>Introduction to Orator: Prof. L.D. Mishra</td>
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### Session 3

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<th>Time</th>
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<th>Moderator</th>
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<tbody>
<tr>
<td>11:30</td>
<td>Infections of the Central Nervous System</td>
<td>Dr. Deepti Vibha, Dr. Suneel Garg, Dr. Sarita</td>
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### Session 4

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<th>Moderator</th>
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<tbody>
<tr>
<td>12:00</td>
<td>Myth and Controversies in Brain death through real life scenario</td>
<td>Dr. Manikandan S. Speaker, Dr. Surya, Dr. Shiv, Dr. Niraj</td>
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### Session 5

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<th>Time</th>
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<th>Moderator</th>
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<tr>
<td>12:30</td>
<td>Proliferation of certification courses in Neuroanaesthesia Neurocritical Care – Productive or Counter productive</td>
<td>Dr. Rajiv Chawla Panelist :</td>
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# Session 7

## Not to Miss!
Dr. Renu Bala, Dr. Ajai Chandra, Dr. Richa Aggrawal

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<th>Time</th>
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<tbody>
<tr>
<td>02:00 - 02:15</td>
<td>Fever as a symptom of suffering Brain</td>
<td>Dr. Rahul Yadav</td>
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<tr>
<td>02:15 – 02:30</td>
<td>Perioperative Management of Deep Vein Thrombosis</td>
<td>Dr. Varun Jain</td>
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<tr>
<td>02:30 - 02:45</td>
<td>Complications happen just like that: An unusual case of sleep apnea</td>
<td>Dr. Sweetha Mohan, Dr. Parul</td>
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<tr>
<td>02:45 - 03:15</td>
<td>ABCs of Intraoperative Resuscitation: Massive bleeding in a patient with large meningioma</td>
<td>Moderator: Dr. Surya Dube, Panelist: Dr. Bhavna Hooda, Dr. Vanitha Rajagopalan, Dr. Nitasha Mishra, Dr. Ritesh Lamsel</td>
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<tr>
<td>03:15 - 03:30</td>
<td>Valedictory</td>
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**Coffee and Disperse**

Post session will be held on 19th October, 2019 from 12:00pm to 2:00pm