18th November (Sunday)

Neuro Critical Care Workshop (8:30-13:30)

Faculty:

Ashis Pathak          Sandip Chatterjee
Arun Baranwal         Nidhi Panda
Deepak Agarwal        Hemant Bhagat
Shalini Nair          Akanksha
Ashish Aggarwal       Apinderpreet Singh
Ankur Luthra          Kiran Jangra
Shiv Soni             Rajeev Chauhan

Topics:

- ICP Monitoring:
  - Invasive ICP Monitoring
  - ONSD (Optic Nerve Sheath Diameter)
- Cerebral Oxygenation Measurement
  - NIRS (Near Infra-Red Spectroscopy)
  - Jugular Pulse Oximetry
- Trans Cranial Doppler
- Intra operative Neurophysiological Monitoring

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<th>Co-Ordinators</th>
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<td>Invasive ICP Monitoring</td>
<td>Dr. Ashis Pathak</td>
<td>Dr. Madhusudan</td>
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<td>ONSD</td>
<td>Dr. Nidhi Panda</td>
<td>Dr. Kiran</td>
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<td>Cerebral Oxygenation Measurement</td>
<td>Dr. Shalini Nair</td>
<td>Dr. Arun Baranwal</td>
<td>Dr. Rajalakshmi</td>
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<td>Jugular Pulse Oximetry</td>
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<td>Dr. Sandip Chatterjee</td>
<td>Dr. Akanksha</td>
<td>Dr. Apinder Preet Singh</td>
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**Overall Co-ordination: Dr. Navneet Singla, Dr. Ashish Aggarwal**

8:30 – 9:30 (Lectures)

8:30-8:40: Invasive ICP Monitoring: Ashis Pathak

8:40-8:50: Optic Nerve Sheath Diameter: Nidhi Panda

8:50-09:00: Near Infra-Red Spectroscopy: Arun Baranwal

09:00-09:10: Jugular Pulse Oximetry: Hemant Bhagat

09:10-09:20: Trans Cranial Doppler: Deepak Agarwal

09:20-09:30: Intra operative Neurophysiological Monitoring: Akanksha

9:30 -11:30 (Demonstration) (30 min on Each Station)

11:30 – 13:30 (Hands On)

**Inauguration of the Conference (13:30- 14:00)**

**LUNCH (14:00- 14:30)**
Scientific Sessions

Session I: Traumatic Brain Injury: Introduction (14:30 -16:15) (12+3 min)

Chairpersons: H J Jeon, P K Sahoo, N Muthukumar

14:30- 14:45: TBI – a worldwide problem: Se Hyuk Kim

14:45- 15:00: "Head injury and Natural Disaster": Yutaka Igarashi

15:00- 15:15: Natural history of mild traumatic brain injury: Dhaval Shukla

15:15- 15:30: Pediatric head injuries that do not occur in adults: Sandip Chatterjee

15:30- 15:45: TBI in the elderly: Se Hyuk Kim

15:45- 16:00: Assessment and Management of TBI in Emergency Department: H J Jeon

16:00-16:15: Use of CER and large data for improved trauma outcomes: Indian experience with Centre TBI and Adapt studies on Adult and child traumas: Deepak Gupta

Session II: Intracranial Pressure: Current concepts (16:15- 17:45) (12+3)

Chairpersons: D K Hyun, Nidhi Panda, Shalini Nair

16:15-16:30: ICP management: D K Hyun

16:30-16:45: Management of raised ICP in Neuro ICU: Shalini Nair

16:45-17:00: Cisternostomy - Reviewing the anatomy and physiology: Iype Cherian

17:00-17:15: ICP Monitoring- Evidence based consensus: Sumit Sinha

17:15-17:30: Efficacy of low dose Barbiturate coma Therapy using Bispectral index monitoring: H J Jeon

17:30-17:45: Radiology and Results- Why does one need to use the microscope in opening cisterns in trauma: Iype Cherian
Tea (17:45-18:00)

Session III (Invited Paper Session) (18:00 – 19:10) (8+2)

Chairpersons: Rajneesh Kachhara, Deepak Agarwal, Iype Cherian

18:00-18:10: Assessment of Quality of Life and Neurological Recovery after Thoracolumbar Spine Injury: Rajasekhar R

18:10-18:20: Changing hands: Why being ambidextrous is a trait that needs to be acquired and nurtured in neurosurgery? : Harsh Deora

18:20-18:30: Study of the effects of bone metabolic factors in spinal trauma: Punit Malik

18:30-18:40: Factors predicting long-term outcome after short-segment posterior fixation for traumatic thoracolumbar fractures: Harsimrat Bir Singh Sodhi

18:40-18:50: Evaluation of Subaxial Injury Classification Scoring System For Determining Outcome Following Cervical Spinal Trauma: Praneeth K

18:50-19:00: Multiplanar realignment of unstable Hangman’s fracture with posterior C2-3 fusion: Madhivanan Karthigeyan

19:00-19:10: Management of single level Junctional ThoracoLumbar Fracture: Kaushal Deep

Dinner (20:00 onwards)
19th November (Monday)

Session I: Listen the Masters (09:00- 10:00) (12+3)
Chairpersons: H S Bhatoe, Ashwani Chaudhary, Pradipta Tripathi

09:00- 09:15: SPECT in minor head injury: A K Mahapatra
09:15- 09:30: Autonomic disturbances in HI: A grossly under diagnosed entity: Ashis Pathak
09:30-09:45: Epilepsy in TBI: Ashwani Chaudhary
09:45-10:00: Stray bullet: An accidental killer during riot control: Altaf Ramzan

Session II: Traumatic Brain Injury: Pre hospital management (10:00- 11:15) (12+3)
Chairpersons: Se Hyuk Kim, Ashis Pathak, Yashbir Dewan

10:00- 10:15: Pre hospital care in neurotrauma patients: Implications and importance: Pawan Kumar Verma

10:15- 10:30: Prevention of Road traffic accidents: Amit Chakrabarty

10:30- 10:45: Guidelines for Prehospital Care In Low Income Countries: V D Sinha

10:45-11:00: Prevention of Neurotrauma epidemic in future: What contingency plan we have: Pradipta Tripathy

11:00-11:15: India and Management of Road Crashes-Towards a National Trauma System: Yashbir Dewan

Tea (11:15- 11:30)
Session III: Traumatic Brain Injury: Management (11:30 - 12:45) (12+3)

Chairpersons: A K Mahapatra, V D Sinha, Dhaval Shukla

11:30-11:45: Management and Outcome of Severe Head Injury Patients: Rajneesh Kachhara

11:45-12:00: Decompressive craniectomy for Traumatic Brain injury: D K Hyun

12:00-12:15: Study of intracranial pressure monitoring after primary decompressive craniectomy for traumatic brain injury: P K Sahoo

12:15-12:30: What to do with bone after decompressive craniectomy: current research and recommendations: Deepak Agarwal

12:30-12:45: Complications of Decompressive Craniectomy: B K Baishya

Session IV: Spinal Trauma (12:45-13:45) (12+3)

Chairpersons: Sang Ryong Jeon, Manoj K Tewari, R K Kaushal

12:45-13:00: Gunshot wounds of the spine: H S Bhatoe


13:15-13:30: Clinical outcome of spinal cord injury in cervical spinal stenosis by minor trauma: K S Cho

13:30-13:45: Posterior interbody fusion technique in thoracic & TL junction spine: Sang Ryong Jeon

Lunch (13:45 -14:15)

Session V: Spinal Cord Injury (14:15 –15:00) (12+3)

Chairpersons: K S Cho, V Sunder, Rajesh Chhabra

14:15 –14:30: Cervical central Cord syndrome- what is the consensus?: Sandip Chatterjee

14:30-14:45: Hypothermia treatment for cervical spinal cord injury: K S Cho
14:45-15:00: Strategy and current situation of development for stem cell agent for chronic spinal cord injury: Sang Ryong Jeon

Session VI (Invited Paper Session) (15:00- 16:30) (8+2)

Chairpersons: Altaf Ramzan, Hemant Bhagat, Amit Chakrabarty

15:00- 15:10: GCS problems and Solutions: Rami Reddy


15:20-15:30: Challenges and Outcome in Traumatic optic Nerve Injury: Jitender Shekhawat

15:30-15:40: Cranial Volume expansion and its association with the size of the bone flap in decompressive cranial surgeries: Ved Prakash Maurya

15:40-15:50: Neuro-cognitive changes following cranioplasty after Decompressive Hemicraniectomy: Adnan Hussain

15:50-16:00: Comparison of Propofol and Sevoflurane on Cerebral Oxygenation using Jugular Venous Oximetry and IL-6 levels in TBI patients: Shailesh Gupta

16:00-16:10: Outcome related to General Anaesthesia Versus Regional Anaesthesia for Lower Extremity Surgery in Patients with Mild TBI: Venkata Ganesh

16:10-16:20: Traumatic Intracranial Aneurysms: Short Case Series and Review of Literature: Rohan Sinha

16:20-16:30: Midline shift versus Basal Cistern compression: In search of a Reliable Method for Surgical Decompression: Manoj Majhi

Valedictory Function (16:30)
Posters:

- Magnitude And Pattern Of Pedestrian Head Injuries In North-eastern India: Kishore K. Sarma
- Anaesthetic management of a patient with pacemaker undergoing cerebral aneurysm clipping: Summit Dev Bloria
- A Trivial Trauma causing severe head injury in a patient of Dengue: Ketan K. Kataria
- Traumatic Retrolisthesis of L2 over L3 Vertebra in a child: The First Case Report: Kaushal Deep Singh