

Neurotrauma 2019

Scientific Program

23-25th August 2019 (Friday-Sunday)

Pre-conference Workshops- 22nd August (Thursday)

Venue- Jay Pee Palace Hotel and Resorts, Agra, India

22.8.19- Pre- Conference Workshops

Date	Time	Venue	Module
22.8.2019	9.00- 10.30	Deewane-Am	Neuro- monitoring Workshop
22.8.2019	11.30-13.00	Deewane-Am	ICP Monitoring Workshop
22.8.2019	14.00-17.00	Deewane-Am	Neuro-Critical Care Workshop
22.8.2019	9.00- 17.00	Deewane-Am	Hands- On Spine Workshop (Saw Bone Spine Models)

Neurotrauma 2019

23-25th August 2019 (Friday-Sunday)

Nursing Symposium- 23-24th August (Friday-Saturday)

Venue- Deewane- Am, Jay Pee Palace Hotel and Resorts, Agra, India

Pre- Conference Workshop 1
IntraOperative NeuroPhysiology

DATE: 22 August 2019

**VENUE: Deewane-Am, JP Palace Hotels and resorts,
Agra**

TOTAL PARTICIPANTS- 30

Course Convener- Prof Ashok Jharyal, Dr Akansha

	Topic
9.00-9.10 AM	Overview of techniques of Intraoperative Neurophysiological Mapping and Monitoring
9.10- 9.30 AM	Technical consideration
9.10-9.20 AM	•Electrodes for recording- Display and demonstration
9.20-9.30 AM	•Electrodes/probes for stimulation- Display and demonstration
9.30-9.45 AM	•Placement of electrodes for different techniques- Hands-on, Mannequin
9.45-10.15 AM	Normal waveform and Interpretation
9.45-9.55 AM	•MEP, SSEP, Pedicle Screw testing, Nerve Root mapping, BCR- Simulation, Mannequin, Case discussions
9.55-10.05 AM	•Motor Mapping, SSEP-Phase Reversal, Dynamic Subcortical Mapping, Speech and Language Mapping, Cranial Nerve Mapping,
10.05-10.15 AM	•EEG, ECOG, Burst-Suppression, Monitoring of Depth
10.15-10.30 AM	Q & A

Pre- Conference Workshop 2

Neuro-Critical Care Workshop

DATE: 22 August 2019

VENUE: Deewane-Am, JP Palace Hotels and resorts, Agra

TOTAL PARTICIPANTS- 30

Course Convener- Prof Girja P Rath, Dr Mukesh M Singh

NEURO-MONITORING WORKSHOP		
10:45am-11:05 am	ICP Monitoring	Surya Dube/ Shweta Kedia
11:10am-11:30 am	TCD in neurocritical care	GP Rath/ Virendra Jain
11:30am- 1:00 pm	Hands on (ICP & TCD)	
1:00pm-2:00 pm	LUNCH BREAK	
NEUROCRITICAL CARE WORKSHOP		
2:00pm-2:30 pm	Initial approach to a neurotrauma patient- Case based scenario	G P Singh/ Shashwat Mishra
2:30pm-3:00 pm	Mechanical ventilation in neurotrauma patients- Case based scenario	Varun Jain
3:00pm-3:40 pm	ABG in neurotrauma patients- Case based scenario	Obaid Ahmed
3:40pm-4:00 pm	TEA BREAK	
4:00pm-4:30pm	Sedation and Pain management in neurotrauma ICU- case-based scenario	Ashish Bindra
4:30pm-5:00 pm	Management of sodium imbalance in Neuro ICU- Case based scenario	Keshav Goyal / Kanwaljeet Garg

Pre- Conference Workshop 3

Spine Workshop

DATE: 22 August 2019

VENUE: Deewane-Am, JP Palace Hotels and resorts, Agra

TOTAL PARTICIPANTS- 30

Course Conveners : S S Kale, Ketan Khujrekar, Abhay Nene

- Module I- CERVICAL SPINE (ANTERIOR)
- Module II- CERVICAL SPINE (POSTERIOR)
- Module III- THORACO-LUMBAR SPINE
- Module IV- KYPHOPLASTY

Welcome & Faculty introduction - Prof S S Kale	
9.00-10.00 AM- Module I- Cervical Spine (Anterior)- (How I Do it- Videos)-	
9.00-9.12 AM	Anterior cervical anatomy : Manoj Phalak
9.12-9.24 AM	ACDF & Corpectomy : Sachin A Borkar
9.24-9.36 AM	Odontoid screw fixation : Vivek Tandon
9.36-9.48 AM	Complications of anterior cervical surgery and its avoidance: S S Kale
9.48-10.00 AM	Discussion
10.00-10.10 AM	<i>Tea</i>
10.10-11.00 AM- Module II- Cervical Spine (Posterior)- (How I Do it- Videos)-	
10.10- 10.22 AM	Posterior cervical Anatomy: Dattaraj Sawarkar
10.22-10.34 AM	C1-C2 fixation techniques: Rashim Kataria
10.34-10.46 AM	Laminoplasty & Sub-axial spine fixation: Kanwaljeet Garg
10.46- 11.00 AM	Complications, avoidance and bail-out options in posterior cervical spine -Hitesh Gurjar

11.00 AM-1.00 PM	Demonstration & Hands on practice: Posterior cervical Spine (All faculty) 1) C1-C2 fixation 2) lateral Mass fixation
1.00-2.00 PM	Lunch
2.00- 3.00 PM- Module III- Thoraco-lumbar spine- (How I Do it- Videos)-	
2.00-2.10 PM	Thoracic pedicle screws: Anatomy and technique- Abhay Nene
2.10-2.20 PM	Costotransversectomy & lateral extracavitary approach (LECA)- Sanjay Rajan
2.20-2.30 PM	Lumbar pedicle screws: anatomy and technique - Gururaj S
2.30-2.40 PM	Minimally Invasive Percutaneous pedicle screw fixation in Thoracolumbar spine: Indications & technique -Sumit Sinha
2.40-2.50 PM	Sacral screws and lumbo-pelvic fixation techniques - Ankur Nanda
2.50-3.00 PM	Complications, avoidance & bailout in Thoracolumbar surgeries -Ketan Khurjekar
3.00-4.30 PM	Demonstration and Hands on practice: Thoraco-lumbar-sacrum-pelvic fixation
4.30-5.30 PM- Module IV- How I Do it- Videos and Hands on practice on Kyphoplasty module	

Neurotrauma 2019

Scientific program- Neurotrauma Nursing

DATE: 23-24th August 2019

VENUE: Deewane-Am, JP Palace Hotels and resorts, Agra

Convener- Prof Deepak Agrawal

Day 1- 23.8.19 (Friday)		
0830-0900	Registration	
0900-0915	Inauguration	
0915-0925	Scope of Neuronursing in India- Miles to go...	Dr Manju Dandapani, PGI
0925-0935	Communication in Neuronusing	Ms Renu Kumari, PGI
0935-0945	ICP Monitoring	Ms Punita, PGI
0945-0955	Critical Points in critical care	Ms Sushmita Pasi, AIIMS
0955-1005	Hand washing	Ms. Sushmita Pasi, AIIMS
1005-1015	Role of nurses in organ donation	Ms Merin Rejish, AIIMS
1015-1030	Tea break	
1030-1040	Traumatic Brain Injury-adult	Ms Purinima, Vishakapattanam
1040-1050	Traumatic Brain Injury-Pediatric	Ms Vijyalekmi, Vishakapattanam
1050-1150	Neurological examination-Hands-on	Ms. MD and team
1150-1200	Evidence Based Practice	Dr Santhani Selveindran, Cambridge, Uk
1200-0100	Award Papers	
0100-0200	Lunch	
0200-0215	Spinal Cord Injury	Dr Dandapani, PGI

0215-0320	Know your personality	Dr Deepak Agrawal, AIIMS
0320-0330	Tea break	
0330-0430	Free Papers	
Day 2- 24.8.19- Saturday		
0830-0915	Quiz	
0915-0925	Ultrasonography - A tool in Neuro nursing	Mr Sajin Abdul khadar, JPNATC, AIIMS
0925-0935	Apps used in Neuro trauma	Ms Metilda CJ , AIIMS
0935-0945	Nursing Here & there-Learning from each other	Dr Jogi Pattisapu, USA
1030-1115	Tea break & Poster competition	
1115-1125	Neuro Rehabilitation	Dr Pradeep Sahu, AIIMS
1125-1135	Opportunities after MSC- Neuro nursing	Ms Linta Thomas, AIIMS
1135-1145	Home based care in Neuro patients -nurses role	Ms Indu Lumia, AIIMS
1145-1200	Complications in neurotrauma	
1200-1215	Panel discussion on ideal ratio of nurse to patient in Neurotrauma ICU	MS Divya, Army Hospital, Ms Neethu AIIMS Rishikesh, Ms Beena Malhotra, GB Pant
1215-1230	Feed back	
1230-1300	Closure& Award Ceremony	

Neurotrauma 2019
CME- 23-25th August 2019 (Friday-Sunday)
JayPee Palace Hotel and Resorts, Agra, India

Scientific Program

Date	Day 1- 23.8.2019 (Friday)	
Time	Program	
8.00-9.00	CME Symposium I	
	Track 1- HALL A- Traumatic Brain Injury <i>Chairpersons- A K Mahapatra, Jack Jallo</i>	Track 2- HALL B- Cervical Spine Injury <i>Chairpersons- V Sunder, L N Gupta</i>
8.00-8.15	Pathophysiology of TBI- Shashwat Mishra	Assessment and clearing of cervical spine after trauma- Deepak Jha

8.15-8.30	Strategies of neuroprotection after acute severe TBI- Keshav Goyal	Management algorithm for subaxial cervical spine facet dislocations- Sumit Sinha
8.30-8.45	Managing Cerebral edema after acute TBI- Evidence based Guidelines- Hitesh Gurjar	Classification and management of subaxial cervical spine trauma- Deepak Kr Singh
8.45-9.00	Hyperosmolar therapy in TBI- Evidence based consensus- Jack Jallo	Management of Cervico-thoracic junction injuries- Manish Agarwal
09:00 - 10:00	CME Symposium II	
	Track 1- Treatment of injured Brain HALL A Chairpersons- Girja Rath, Rocca Alda	Track 2- CV Junction- HALL B Chairpersons- S S Kale, Ketan Khurjekar
9.00-9.15	Neurointensive Care of injured brain - Girja Rath	Surgical management of Odontoid fractures- Evidence based consensus- Sanjay K Rajan
9.15-9.30	Management of Acute TBI- following ATLS Protocols- Sumit Sinha	Surgical management of Hangman's fractures- Uday Bhowmick
9.30-9.45	Surgical Management in acute TBI- Surgical Indications and technique of DC- Sachin Borkar	CVJ Trauma- Challenges and Management protocols- Rashim Kataria
9.45-10.00	Recent advances in Management of TBI- Arun Saroha	Management of traumatic atlanto-axial dislocation- Principles and techniques- S S Kale
10:00 - 10.15	<i>Coffee Break</i>	
10:15 - 11.00	Presidential Oration- Prof V Sunder Introduction of Orator- Prof Sumit Sinha Chairpersons- V S Mehta, Randall Chesnut, Yashbeer Deewan Deewan-E-Khas	
11:00 - 13:00	Plenary session I- Deewan-E-Khas Chairpersons- S S Kale, Arvind Agarwal, L N Gupta	

	<i>Special Guest Lecture session</i>	
11.00-11.15	Role of Biomarkers, Complement & Coagulation in TBI- W C Peul	
11.15-11.30	Brain Death certification and Organ Transplant guidelines in Indian Context- S Lalwani	
11.30-11.45	Role of ICP Monitoring in TBI Care- Evidence based consensus- Randall Chesnut	
11.45-12.00	Pediatric cervical spine injuries- Myths versus reality- Sandip Chatterjee	
12.00-12.15	Fundamentals of rehabilitation after TBI- Ashish Pathak	
12.15-12.30	Penetrating injuries to brain- R C Mishra	
12.30-12.45	Cost effective usage of portable ventilator device for assisted respiration in ICU Patients- Deepak Agarwal	
12.45-13.00	Medico-legal issues in Neurosurgical practice- Code of medical ethics and Consent taking- D P Srivastava	
13:00 - 14:00	<i>Lunch</i>	
14:00 - 15:00	IJNT Editorial Board Meeting- Board Room	
14:00 - 15:00	Case Discussion- Track 1-HALL A- Brain Module Controversies in Traumatic Brain Injury <i>Chairpersons- Arun Saroha, Paritosh Pandey</i>	Case Discussion- Track 2-HALL B- Spine Module Controversies in Spine Injury <i>Chairpersons- Ashish Pathak, Pradipta Tripathy</i>
14.00-14.30	<i>Cisternostomy- Pros, cons, discussions, consensus</i> Moderator- Yonghong Wang Pros- Iype Cherian Cons- Mathew Joseph Consensus- Suresh Dugani	<i>Stem cells in SCI- Ready for Prime time ?- Pros, cons, discussion and consensus</i> Moderator- Chris Ahuja Pros- Alok Sharma Cons- Sandip Chatterjee Consensus- H S Chabra

14.30-15.00	<p><i>Is DC beneficial?- Pros, cons, discussion and consensus</i> Moderator- Peter Reilly Pros- Suresh Dugani Cons- Iype Cherian Consensus- Randall Chestnut</p>	<p><i>Role and timing of surgery in SCI- Pros, cons, discussion and consensus regarding early surgery</i> Moderator- Jack Jallo Pros- Sachin Borkar Cons- G Gururaj Consensus- JKBC Parthiban</p>
15:00 - 15:15	Coffee Break	
15:15 - 16:00	<p>Prof P S Ramani Oration- Prof K Ganapathy “Telemedicine and Neurotrauma” Introduction of Orator- Dr Sachin Borkar Deewan-E-Khas Chairpersons- Ashish Pathak, A K Mahapatra, JKBC Parthiban</p>	
16.00-18.00	<p>National TBI Guidelines- Core Committee meeting- Consensus building and Updation of Version 4.0 <i>Chair- Mathew Joseph</i> <i>Core Committee Members- Sumit Sinha, V Sunder, V D Sinha, Dhaval Shukla, G Gururaj</i> <i>NSI Group- J K B C Parthiban, Suresh Sankhla</i> <i>Special Invitee- Jogi Pattisapu</i></p>	
16:00 - 17:00	CME Symposium III-	
	<p>Track 1- HALL A- Pediatric TBI Chairpersons- Suresh Dugani, Deepak Agrawal</p>	<p>Track 2- HALL B- Thoraco-Lumbar Spine Injury Chairpersons- S S Dhanda-pani, Sandip Chatterjee</p>
16.00-16.12	Growing skull fractures- Basics of management- Sandeep Mohindra	Classification of TL Trauma- Instability and Clinical applications- Bhavuk Garg
16.12-16.24	BTF Guidelines for pediatric TBI- Manoj Phalak	Operative Management of TL Trauma- Evidence based Protocols- P K Sahoo
16.24-16.36	Review of trials for pediatric TBI- Where are we now and Current status?- Shweta Kedia	Sacral Fractures- Ravi Sreenivasan

16.36-16.48	Management of Pediatric TBI- evidence based protocols- Chitiz Srivastava	Percutaneous fixation for TL Trauma- S S Dhandapani
16.48-17.00	Pediatric TBI- Recent advances in management protocols- Jogi Pattisapu	Role and Technique of Osteotomies in TL Trauma- Bhavuk Garg
17.00-18.00	CME Symposium IV- Deewane- Khas- Special Lecture series Chairpersons- W C Peul, Nityanand Gopal	
17.00-17.12	How to plan research and write a paper- Bhavuk Garg	
17.12-17.24	Basic Statistics for clinical practice- R M Pandey	
17.24-17.36	Fluid and Electrolyte abnormalities in TBI- Rajesh Chhabra	
17.36-17.48	Coagulation disorders after TBI- B K Baishya	
17.48-18.00	Recurrent Chronic SDH- management Algorithm- Vikram Muthusubramaniam	
19.00 onwards	<i>Inaugural Function followed by Cultural evening and Dinner at Deewan-e- Khas</i>	

Date	Day 2- 24.8.2019 (Saturday)	
Time	Program	
8.00-9.00	NTSI EC MEETING	
8.00-9.00	CME Symposium V	

	Track 1- HALL A- TBI Prevention and rehabilitation Chairpersons- Pradeep Bharti, A K Mahapatra	Track 2- HALL B- Controversies in Spine Trauma Chairpersons- B K Baishya, Sohail Afzal
8.00-8.12	Andhra Pradesh TBI initiative- Where do we stand?- Vijay Sekhar	Odontoid fractures in elderly- management controversies- Duttaraj Sawarkar
8.12-8.24	Preventing Neurotrauma in LMIC- NHR global Health research group experience- Santhana SelvieIndran	Controversies in CVJ trauma - Evidence based practice- Arun K Srivastava
8.24-8.36	Road traffic Accidents in Odisha- A Perspective- A K Mahapatra	Pitfalls in TL Trauma management- R S Chahal
8.36-8.48	Prevention of Road Traffic accidents- Amit Chakraborty	Anterior versus posterior fixation in TL fractures- Indications and controversies- Bernard Lyngdoh
8.48-9.00	Coma Arousal therapy in MCS and PVS- Dhaval Shukla	Short versus long segment fixation in TL trauma- Asheesh Tandon
09:00 - 10:00	CME Symposium VI-	
	Track 1- HALL A- Neuromonitoring in TBI Chairpersons- Arvind Chaturvedi, Rocca Alda	Track 2- HALL B-Advances in Spine Trauma Chairpersons- James D Guest, B K Ojha
9.00-9.15	Cerebral Oxygen monitoring in acute severe TBI- G P Singh	Novel neuroprotective and regenerative therapeutic strategies for spinal cord injury- Chris Ahuja
9.15-9.30	Clinical application of Microdialysis in Neuro ICU- Asheesh Bindra	Role of MIS in TL Trauma- Amit Jhala
9.30-9.45	Role of USG in Neurocritical care- ONSD and POCUS- Surya Dube	VBA in OCF- kyphoplasty versus vertebroplasty- evidence based opinion- Rahul Gupta

9.45-10.00	Advanced neuromonitoring in TBI- Role and evidence based consensus- Rocca Alda	Failed OCF treatment and revision strategies- Kalidutta Das
10:45 - 11:00	<i>Coffee Break</i>	
10:00 - 10:45	Prof A K Banerji Oration- Prof James D Guest- <u>"Neuromodulation reveals recovery potential after severe spinal cord injury"</u> Introduction of Orator- Dr Amit Chakraborty Deewan-E-Khas Chairpersons- Mathew Joseph, Peter Reilly, Jogi Pattiaapu	
11:00 - 13:00	Plenary Session II- Deewan-E-Khas Chairpersons- P Palaniyappan, R C Mishra, Hemant Bharatiya	
	<i>Special Guest Lecture session</i>	
11.00-11.15	Improving neurotrauma systems - a challenge for all countries- Peter Reilly	
11.15-11.30	Role of trauma systems establishment in India- Where are we?- M C Mishra	
11.30-11.45	Paradigm Shift in the management of Neurotrauma in developing India- JKBC Parthiban	
11.45-12.00	Impact of high value publications in TBI and their role in enhancing Neurotrauma outcomes- Sanjay Behari	
12.00-12.15	Development of pre- hospital trauma support systems in India- where do we stand?- V D Sinha	
12.15-12.30	National TBI Guidelines- Need of the hour- Mathew Joseph	
12.30-12.45	Artificial Intelligence- Current concepts and use in Neurotrauma- Harsh Mahajan	
12.45-13.00	Neuro-Endocrine dysfunction in severe traumatic brain injury- Rajesh Khadgawat	
13:00 - 14:00	<i>Lunch</i>	

14:00 - 14:30	<p>Debate- Track 1- HALL A- Current status of hypothermia in TBI <i>Moderator- Vivek Tandon</i> <i>Favour- Dwarka Nath Srinivas Rao</i> <i>Against- Asheesh Bindra</i> <i>Consensus- Peter Reilley</i></p>	<p>Debate- Track 2- HALL B- Steroids in SCI <i>Moderator- Kanwaljeet garg</i> <i>Favour- Subodh Raju</i> <i>Against- G Balamurli</i> <i>Consensus- Randall Chesnut</i></p>
14.30- 15.00	<p>Debate- Track 1- HALL A- ICP in TBI- To monitor or not to monitor? <i>Chairpersons- Chitij Srivastava, Sunil Singh,</i> CLASH OF THE TITANS- Randall Chesnut (Against) Mathew Joseph (Pro)</p>	<p>Debate- Track 2- HALL B- Role of Neuromodulation in SCI <i>Moderator- Kalidutta Das</i> <i>Favour- Sachin Khandari</i> <i>Against- G Balamurli</i> <i>Consensus- James D Guest</i></p>
15:00 - 15:15	<i>Coffee Break</i>	
15:15 - 16:00	<p>Prof S Rengachary Oration- Prof Randall Chesnut <i>“Bridging the gap between evidenc- based medicine and clinical practice</i> Introduction of Orator- Prof V D Sinha Deewan-E-Khas <i>Chairpersons- Deepu Banerjee, Ketan Desai, Sanjay Kumar</i></p>	
16.00-18.00	<p>National TBI Guidelines- Core Committee meeting- Consensus building and Updation of Version 4.0 <i>Chair- Mathew Joseph</i> <i>Core Committee Members- Sumit Sinha, V Sunder, V D Sinha, Dhaval Shukla, G Gururaj</i> <i>NSI Group- J K B C Parthiban, Suresh Sankhla</i> <i>Special Invitee- Jogi Pattisapu</i></p>	
16:00 - 17:00	Award Papers	Free Papers
17:00 - 18:00	<p>CME Symposium VII <i>Chairpersons- Shweta Kedia, Piyush Mittal</i> <i>Deewan-e-Khas</i></p>	
17.00-17.12	<p>Management of TBI in patients on anticoagulants- Evidence based consensus- Dwarka Nath Srinivas Rao</p>	
17.12-17.24	<p>Management of CSF Rhinorrhea- Roopjyoti Hazarika</p>	

17.24-17.36	Pathogenesis of pediatric TBI- How does it differ from adult TBI ? - Subodh Raju
17.36-17.48	Traumatic vascular injuries - interesting case studies and management- Vipul Gupta
17.48-18.00	Role of endovascular intervention in Neurotrauma- Girish Rajpal
18.00-19.00	<i>General Body Meeting</i>
19.30 onwards	<i>Gala Cultural evening followed by Dinner at Astor Lawns, Hotel Double Tree by Hilton, Agra</i>

Date	Day 3- 25.8.2019 (Sunday)
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Time	Program
8.00-9.00	Award Papers/ Free Papers
09:00 - 10:00	CME Symposium VIII
	<p>Track 1- HALL A- Post Traumatic Epilepsy <i>Chairpersons- Alok Agarwal, Arun Saroha</i></p> <p>Track 2- HALL B- Critical management of SCI- review of AO Spine guide- lines <i>Chairpersons- Saurabh Sharma, Manish Agarwal</i></p>
9.00-9.15	<p>Post Traumatic epilepsy- Back- ground, pathophysiology and etiology- Role of EEG- Manjari Tripathi</p> <p>Critical Care for Spinal cord injury- Jack Jallo</p>
9.15-9.30	<p>Surgical management options in PTE- Sarat P Chandra</p> <p>Cell therapies in spinal cord injury- why is the impact so limited?- James D Guest</p>
9.30-9.10.00	<p>Debate- AED in PTE- To give or not to give? <i>For- Anant Mehrotra</i> <i>Against- Manjul Tripathi</i> <i>Consensus- Current evidence - based recommendations- Vivek Tandon</i></p> <p>Overview of spinal cord in- jury- Evidence based consen- sus- G Balamurli</p>
	<p>AO Spine guidelines for SCI- Evidence based Review- Ma- neet Gill</p>
10:45 - 11:00	<i>Coffee Break</i>
10:00 - 10:45	<p>Prof A D Sehgal Oration- Prof Jack Jallo- “TBI and Utility of Guidelines” Introduction of Orator- Saurabh Sharma Deewan-E-Khas <i>Chairpersons- P K Sahoo, Ashok Gandhi, P palaniyapan</i></p>
11:00 - 13:00	<p>Plenary Session- Deewan-E-Khas <i>Chairpersons- Arun Singh, V Sunder, Mukul Chand</i></p> <p><i>Special Guest Lecture session</i></p>
11.00-11.15	Cranioplasty- Technical considerations and timing- Yonghong Wong
11.15-11.30	Role of Hyperbaric Oxygen therapy (HBOT) in TBI- Evidence based consensus- Vernon Velho

11.30-11.45	Surgical management of Adult brachial plexus injuries- Ketan Desai
11.45-12.00	Controversies in surgical management of Chronic SDH- Suresh Sankhla
12.00-12.15	Improving the prognosis in Acute TBI with co-morbidities- P Palaniyappan
12.15-12.30	Evidence based Management of Chronic SDH- Deepu Banerjee
12.30-12.45	The Lean SIGMA SIX approach for resource utilisation in resource-stricken situations- Manjul Tripathi
12.45-13.00	Cranioplasty using 3D printer and PMMA implant- V D Sinha
13:00 - 14:00	<i>Validictory Function and Lunch</i>