6th Annual Conference of NESON

Theme: Neurosurgical Subspecialties in Nepal: Developing Possibilities

Day 1: April 6, 2018 (Neurovascular Day)  
Hall A

Start of the Scientific Program

Session I

CHAIRPERSONS: Dinesh Nath Gangol/Upendra P. Devkota/Achyut Sharma

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
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<tbody>
<tr>
<td>8.00-8.10</td>
<td>Mohan R. Sharma</td>
<td>Introduction of NESON Orator</td>
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<tr>
<td>8.10-8.50</td>
<td>HR Winn</td>
<td>The natural history of unruptured cerebral aneurysms</td>
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<tr>
<td>8.50-9.10</td>
<td>Inauguration of Neurovascular Chapter of NESON by Prof. HR Winn, MD</td>
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Session II  ANEURYSMS

CHAIRPERSONS: Marcus Stoodley/Mohan R. Sharma

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<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
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<tbody>
<tr>
<td>9.10-9.40</td>
<td>Juha Hernesniemi</td>
<td>The Microneurosurgical revolution: Rumors of its demise are grossly exaggerated</td>
</tr>
<tr>
<td>9.40-10.10</td>
<td>Hiroyuki Kinouchi</td>
<td>Surgery for intracranial aneurysms in the era of endovascular intervention</td>
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<tr>
<td>10.10-10.30</td>
<td>Gopal R. Sharma</td>
<td>Outcome after intraoperative aneurysm rupture</td>
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<tr>
<td>10.30-11.00</td>
<td>Yam Bahadur Roka</td>
<td>Neurovascular surgery in Eastern Nepal: Eight year’s experience of a single center</td>
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<tr>
<td>10.50-11.10</td>
<td>Iype Cherian</td>
<td>Skull base techniques for aneurysms</td>
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</tbody>
</table>

Tea break 11.10-11.20

Session III  ANEURYSMS

CHAIRPERSONS: HR Winn/Gopal Raman Sharma

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
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</thead>
<tbody>
<tr>
<td>11.20-11.25</td>
<td>Gopal Raman Sharma</td>
<td>Introduction of NESON Orator</td>
</tr>
<tr>
<td>11.25-12.05</td>
<td>Robin Sengupta</td>
<td>Superiority of clipping for ruptured cerebral aneurysms over endovascular surgery</td>
</tr>
<tr>
<td>12.05-12.25</td>
<td>Mohan R. Sharma</td>
<td>Avoiding complications in aneurysm surgery</td>
</tr>
<tr>
<td>12.25-12.45</td>
<td>Lokendra Singh</td>
<td>Supraorbital keyhole approach for anterior circulation aneurysms</td>
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<tr>
<td>12.45-13.05</td>
<td>Vipul Gupta</td>
<td>Flow diverters for complex cerebral aneurysms</td>
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Lunch with exhibitors 13.05 - 13.50
### Session IV  AVMs

**CHAIRPERSONS:** Hiroyuki Kinouchi/Basant Pant

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
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<tbody>
<tr>
<td>13.50-14.10</td>
<td>Marek Mandera</td>
<td>Multimodal treatment of supratentorial AVMs in children</td>
</tr>
<tr>
<td>14.10-14.30</td>
<td>Suresh Dugani</td>
<td>Cavernous angioma of brain: Navigation guided microsurgical management</td>
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<tr>
<td>14.30-14.50</td>
<td>Shakir Hussain</td>
<td>Brain AVMs: When and how to treat</td>
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<tr>
<td>14.50-15.10</td>
<td>Manmohan Singh</td>
<td>Current management strategies for intracranial AVMs</td>
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<tr>
<td>15.10-15.30</td>
<td>Vikas Gupta</td>
<td>Combined microsurgical and endovascular approaches to complex vascular lesions of the brain</td>
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</tbody>
</table>

### Session V  MISCELLANEOUS

**CHAIRPERSONS:** Lokendra Singh/Krishna Sharma

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>15.30-15.50</td>
<td>Marcus Stoodley</td>
<td>EC-IC bypass</td>
</tr>
<tr>
<td>15.50-16.10</td>
<td>Daljit Singh</td>
<td>Management of caroticocavernous fistula</td>
</tr>
<tr>
<td>16.10-16.30</td>
<td>Deepak Kumar Singh</td>
<td>Microsurgical treatment of posterior circulation aneurysms in endovascular era: lessons learnt</td>
</tr>
<tr>
<td>16.30-16.50</td>
<td>Girish Rajpal</td>
<td>Recent advances in mechanical thrombectomy in acute ischemic stroke</td>
</tr>
</tbody>
</table>

### Tea Break  16.50-17.00

### Session VI  HOW I DO IT (VIDEO SESSIONS)

**CHAIRPERSONS:** Daljit Singh/Yam Bahadur Roka

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
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<tbody>
<tr>
<td>17.00-17.08</td>
<td>Malay Chakraborty</td>
<td>Multiple clip application for large MCA bifurcation aneurysm</td>
</tr>
<tr>
<td>17.08-17.16</td>
<td>Marcus Stoodley</td>
<td>AVM resection technique</td>
</tr>
<tr>
<td>17.16-17.24</td>
<td>Vipul Gupta</td>
<td>Giant cavernous aneurysm with ICA stenosis</td>
</tr>
<tr>
<td>17.24-17.32</td>
<td>Amit Thapa</td>
<td>Optimal but safe sylvian fissure dissection</td>
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</tbody>
</table>

### 18.30- 19.15  Opening ceremony

### 19.15 Onward  Cultural program and dinner
**6th Annual Conference of NESON**

**Theme: Neurosurgical Subspecialties in Nepal: Developing Possibilities**

**Day 2 : April 7, 2018**

**Hall A**

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### PLENARY SESSION

**CHAIRPERSONS:** Dinesh Nath Gongol/Achyu Sharma

**8.00-8.40**

**HR Winn (Keynote speech)**

The natural history of ruptured cerebral aneurysms

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### AWARD PAPER SESSION

**JUDGES:** Upendra Devkota/Pawan Sultania/Basant Pant/Gopal Raman Sharma

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
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<tbody>
<tr>
<td>8.40-8.48</td>
<td>Anish man Singh</td>
<td>Intrathecal Baclofen therapy in severe head injury: A raw, yet useful technique in a developing country</td>
</tr>
<tr>
<td>8.48-8.56</td>
<td>Sunil Munakormi</td>
<td>Role of CT scores and findings to predict early death in patients with traumatic brain injury: A reappraisal in a tertiary care hospital in Nepal</td>
</tr>
<tr>
<td>8.56-9.04</td>
<td>Rupendra Adhikari</td>
<td>Improving the outcome in decompressive craniectomy patients with traumatic brain injuries</td>
</tr>
<tr>
<td>9.04-9.12</td>
<td>Prakash Kafle</td>
<td>Comparison of Full Outline of Unresponsiveness Score (FOUR) and Glasgow Coma Scale (GCS) in predicting outcome of patients with traumatic brain injury</td>
</tr>
<tr>
<td>9.20-9.28</td>
<td>Rajan Kumar Sharma</td>
<td>Trial of intracranial pressure monitoring in traumatic brain injury</td>
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### TEA BREAK 9.28-9.40

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### BREAK OUT SESSIONS

**Session I NEUROTRAUMA**

**CHAIRPERSONS:** Deepak Singh/Sudan Dhakal

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>9.40-10.00</td>
<td>Mohan R. Sharma</td>
<td>Philosophy of neurotrauma care</td>
</tr>
<tr>
<td>10.00-10.15</td>
<td>Amit Thapa</td>
<td>Point-of-Care ultrasound (POCUS) for neurosurgeons</td>
</tr>
<tr>
<td>10.15-10.25</td>
<td>Maya Bhattachan</td>
<td>Utility of CT scan in pediatric mild traumatic brain injury</td>
</tr>
<tr>
<td>10.25-10.35</td>
<td>Rajendra Shrestha</td>
<td>Management and outcome of head injury in a tertiary care center</td>
</tr>
<tr>
<td>10.35-10.45</td>
<td>Rajeev Bhandari</td>
<td>Outcome of decompressive craniectomy in a tertiary care center</td>
</tr>
<tr>
<td>10.45-10.55</td>
<td>Priyank Sinha</td>
<td>30-day mortality and survival in elderly patients undergoing neurosurgery</td>
</tr>
<tr>
<td>10.55-11.05</td>
<td>Nibha Bajracharya</td>
<td>Protocol of mechanical thromboprophylaxis to prevent DVT in neurosurgical patients</td>
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</tbody>
</table>

**Session II Neurosurgical Education/Ethics/Innovation/Research**

**CHAIRPERSONS:** Hiroyuki Kinouchi/Mohan Raj Sharma

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>11.00-11.25</td>
<td>Daljit Singh</td>
<td>Ethics in Neurosurgery</td>
</tr>
<tr>
<td>11.25-11.45</td>
<td>Marcus Stoodley</td>
<td>Neurosurgical training in 21st century</td>
</tr>
<tr>
<td>11.45-12.05</td>
<td>Sushil K. Shilpakar</td>
<td>Dilemmas in Neurosurgery in developing countries</td>
</tr>
<tr>
<td>12.05-12.25</td>
<td>Tariq Matin</td>
<td>Taking neuro intervention beyond the boundaries</td>
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<tr>
<td>12.25-12.40</td>
<td>Gopal Sedain</td>
<td>Breaking bad news in Neurosurgery</td>
</tr>
<tr>
<td>12.40-12.50</td>
<td>Prasanna Karki</td>
<td>Delivery of neurosurgical services in mid- and far-western Nepal</td>
</tr>
<tr>
<td>12.50-13.00</td>
<td>Hridayesh P. Malla</td>
<td>Correlation between intraoperative BAEP findings and outcome during microvascular decompression for hemifacial spasm</td>
</tr>
</tbody>
</table>
6th Annual Conference of NESON
Theme: Neurosurgical Subspecialties in Nepal: Developing Possibilities

Session III VASCULAR

CHAIRPERSONS: Shakir Hussain/Amit Thapa

13.40-14.00  Shakir Husain  Endovascular management of complex aneurysms
14.00-14.20  Anita Jagetia  Cerebral aneurysms: A hybrid neurosurgeon's perspective
14.20-14.35  Prabin Shrestha  Hemorrhagic stroke: Neurosurgery perspective
14.35-14.50  Hideyuki Yoshioka  Intra-arterial injection fluorescence video angiography in spinal arteriovenous fistula surgery
14.50-15.00  Raj Kumar KC  The size of the spontaneous ICH as a prognostic factor in hemorrhagic stroke
15.00-15.10  Prabesh Rajbhandari  Initiation of neurointervention in Nepal
15.10-15.20  Amit Pradhananga  Experience of clipping of DACA aneurysms in endovascular era
15.20-15.30  Samir Acharya  Surgical management of cerebrovascular occlusive disease
15.30-15.45  Shikhar Shrestha  Hydrocephalus in aneurysmal SAH: An institutional experience
15.45-16.00  Avinash Chandra  Ischemic stroke and tPA: A single center study
16.00-16.00  Binod Rajbhandari  Prediction of aneurysm location based on pattern of bleed on CT scan

Tea Break  16:00 - 16.10

Session IV SPINE

CHAIRPERSONS: Junichi Mijuno/Balgopal Karmacharya

16.10-16.30  Lokendra Singh  Dorsal median sulcal approach for IDIM spinal cord tumors.
16.30-16.45  Neelam Khadka  Upper cervical injuries: Our early experience in National Trauma Center
16.45-16.55  Rajiv Raj Shahi  Imaging for degenerative spinal diseases
16.55-17.05  Subin Joseph Devarajan  Spinal vascular malformations: Management options
17.05-17.15  Gohsuke Hattori  Motion preserving fixation for Hangman’s fracture
17.15-17.25  Ram Kumar Shrestha  Management of Chiari malformations in adults: A single institutional review from Maldives
17.25-17.35  Hemant Kumar Shah  Spinal infections: Audit from Nepal Medical College

Session V VIDEO

CHAIRPERSONS: Vikas Gupta/Resha Shrestha

17.35-17.55  Basant Pant  Movement disorder surgery
17.55-18.00  Amit Thapa  Endoscopic spine surgery
18.05-18.10  Gopal Sedain  Intradural anterior clinoidectomy
18.10-18.15  Ram K. Shrestha  Removal of parenchymal hydatid cyst

Closing Ceremony 18:30 – 19.00

Cultural program and farewell dinner 19.00 onward
### Session I  SPINE

**CHAIRPERSONS**: P. Sarat Chandra/ Neelam Khadka

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>9.40-10.10</td>
<td>Junichi Mizuno</td>
<td>Development of minimally invasive spine surgery in developing countries</td>
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<tr>
<td>9.10-10.30</td>
<td>S S Kale</td>
<td>CVJ anomalies: Pearls and pitfalls</td>
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<tr>
<td>10.30-10.50</td>
<td>Krishna Sharma</td>
<td>Necessity of stabilization in spine: Changing concept</td>
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<tr>
<td>10.50-11.10</td>
<td>Pankaj Singh</td>
<td>Evolution in the management of combined C1 Hangman’s fracture</td>
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<tr>
<td>11.10-11.30</td>
<td>Prabin Shrestha</td>
<td>Intramedullary spinal tumor surgery</td>
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### Session II  Epilepsy and Functional/Minimally Invasive/Pain

**CHAIRPERSONS**: Manmohan Singh/Prabin Shrestha

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>11.30-11.50</td>
<td>Basant Pant</td>
<td>Epilepsy surgery: Our 15 years experience</td>
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<tr>
<td>11.50-12.10</td>
<td>P. Sarat Chandra</td>
<td>Pediatric epilepsy surgery: A randomized trial to study its efficacy</td>
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<tr>
<td>12.10-12.30</td>
<td>Marek Mandera</td>
<td>Endoscopic treatment of intraventricular cysts in children</td>
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<tr>
<td>12.30-12.45</td>
<td>Resha Shrestha</td>
<td>Our result of Deep Brain Stimulation in Parkinson’s Disease in Nepal</td>
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<tr>
<td>12.45-13.00</td>
<td>Pranaya Shrestha</td>
<td>Tumor related epilepsy surgery</td>
</tr>
<tr>
<td>13.00-13.10</td>
<td>Ninadini Shrestha</td>
<td>Update on pain management for Trigeminal Neuralgia</td>
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<tr>
<td>13.10-13.20</td>
<td>Robin Bhattarai</td>
<td>Microsurgical management of tuberculum sellae meningiomas by the supraorbital keyhole eyebrow approach: Surgical outcome</td>
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**Lunch with exhibitors  13.20 - 14.00**

### Session III  NEUROONCOLOGY

**CHAIRPERSONS**: Marek Mandera/Balkrishna Thapa

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>14.00-14.20</td>
<td>Vikas Gupta</td>
<td>Facial preservation in microsurgery of giant cerebellopontine angle tumors</td>
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<tr>
<td>14.20-14.40</td>
<td>Balkrishna Thapa</td>
<td>Low tech high efficiency brain tumor surgery</td>
</tr>
<tr>
<td>14.40-14.50</td>
<td>Rajiv Jha</td>
<td>Surgical treatment of pituitary tumors</td>
</tr>
<tr>
<td>14.50-15.00</td>
<td>Pratyush Shrestha</td>
<td>Facial nerve preservation and surgical outcomes of retrosigmoid approach to large vestibular schwannomas: An eight-year single center experience</td>
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<tr>
<td>15.00-15.10</td>
<td>Lushun Chalise</td>
<td>Awake surgery for glioma: Surgical strategies for maximum resection with functional preservation</td>
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<tr>
<td>15.10-15.20</td>
<td>Sagar Koirala</td>
<td>Predictors of Diabetes Incipidus in transsphenoidal pituitary surgery</td>
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</tbody>
</table>
### Session IV  SPINE

**CHAIRPERSONS**: S S Kale/Sushil Krishna Shilpakar

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Presentation Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.25-15.45</td>
<td>P. Sarat Chandra</td>
<td>Reducing severe BI and AAD using the DCER principle</td>
</tr>
<tr>
<td>15.45-16.00</td>
<td>Amit Thapa</td>
<td>How to improve outcome in brachial plexus repair surgery</td>
</tr>
<tr>
<td>16.00-16.10</td>
<td>Rajiv Jha</td>
<td>A short term experience with anterior cervical interbody fusion using a Polyetheretherketone (PEEK) cage device and local autograft bone</td>
</tr>
<tr>
<td>16.10-16.20</td>
<td>Priyank Sinha</td>
<td>Duration of foot drop and post-operative recovery of muscle power in patients with lumbar disc: A single-center experience</td>
</tr>
<tr>
<td>16.20-16.30</td>
<td>Anish M Singh</td>
<td>Anterior cervical disectomy and fusion with bone cement: A technology in developing country</td>
</tr>
<tr>
<td>16.30-16.40</td>
<td>Rakesh Singh</td>
<td>Ongoing journey through CVJ as a junior faculty: Lessons learnt</td>
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**Tea break  16.40-16.50**

### Session V  NEUROREHABILITATION

**CHAIRPERSONS**: Ravi Thapalia/Gopal Sedain

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
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</tr>
</thead>
<tbody>
<tr>
<td>16.50-17.05</td>
<td>Ravi Thapalia</td>
<td>Neuro-Rehabilitation: A link to community reintegration</td>
</tr>
<tr>
<td>17.05-17.20</td>
<td>Christine Groves</td>
<td>Prognosis after ischemic stroke: A Physiatrist’s perspective</td>
</tr>
<tr>
<td>17.20-17.30</td>
<td>Raju Dhakal</td>
<td>Rehabilitating neurogenic bladder in spinal cord injury</td>
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<tr>
<td>17.30-17.40</td>
<td>Manju Gyawali</td>
<td>The impact of early rehabilitation in motor and cognitive outcomes following craniotomy for severe head injury</td>
</tr>
<tr>
<td>17.40-17.50</td>
<td>Prakriti Khatri</td>
<td>Change in functional status at admission and at discharge in patients with spinal cord injury</td>
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### Session VI  NURSING

**CHAIRPERSONS**: Anita Jagetia/Laxmi Bhandari

<table>
<thead>
<tr>
<th>Time</th>
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</tr>
</thead>
<tbody>
<tr>
<td>17.50-17.58</td>
<td>Neeraj</td>
<td>Fluorescence guided resection of gliomas: Role of nurses</td>
</tr>
<tr>
<td>17.58-18.06</td>
<td>Sushma Bhurtyal</td>
<td>Disaster preparedness in neurosurgical ICU</td>
</tr>
<tr>
<td>18.06-18.12</td>
<td>Samjhana Pant</td>
<td>Management of patients following aneurysm surgery: Nursing perspective</td>
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<tr>
<td>18.12-18.20</td>
<td>Beenu Malhotra</td>
<td>Dedication in nursing care: Changing temperaments</td>
</tr>
<tr>
<td>18.12-18.20</td>
<td>Sharmila Chaulagain</td>
<td>Nursing care in ICU for neurosurgery patients</td>
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<tr>
<td>18.20-18.28</td>
<td>Sarita Rai</td>
<td>Nursing care in ward for neurosurgery patients</td>
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**Closing Ceremony 18:30 – 19.00**

**Cultural program and farewell dinner 19.00 onward**