Dear Friends and Colleagues,

We are delighted to invite you to the 10th World Congress for Neurorehabilitation to be held in Mumbai, India, 7th - 10th February, 2018.

Advances in basic neurosciences and in clinical practice are changing the lives of many patients and helping them to re-integrate into society. “From Neuro Technologies to Community Care”, the theme that has been chosen for this Congress, will cover exciting, innovative technologies in neurorehabilitation that offer high quality care at low cost for the developing world communities.

The WFNR has a longstanding tradition of conducting scientific meetings of the highest quality with internationally renowned experts from the fields of both basic and clinical neurosciences and neurorehabilitation.

The multidisciplinary approach to neurorehabilitation, which includes neurologists, physicians, physiatrists, physical and occupational therapists, psychologists, speech therapists, rehabilitation engineers, basic neuroscientists and many other professionals will be well reflected in the programme and in the direct involvement of the Special Interest Groups.

At WCNR 2018, the interdisciplinary symposia will represent the T.E.A.M spirit of ‘Together Everyone Achieves More’ to bring out the best practices in neurorehabilitation.

Come and join us in Mumbai, the financial capital of India, a city that never sleeps! With its world-class restaurants, arts, crafts and its rich cultural life, cosmopolitan Mumbai will be a perfect backdrop for this world congress.

We welcome you to an exciting and enriching WCNR 2018 and wish you a great time in Mumbai.

Nirmal Surya
President, WCNR 2018

Leonard Li
President, WFNR
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Mike Barnes      Mickey Selzer       Sabahat Asim Wasti
United Kingdom   USA                  UAE
Ali Irani        Nirmal Surya        Barbara Wilson
India            India                UK
VENUE MAP
EXHIBITION AREA
PROGRAM AT A GLANCE

**PRE-CONGRESS WORKSHOPS | WEDNESDAY, FEBRUARY 7, 2018**

<table>
<thead>
<tr>
<th>GRAND BALLROOM</th>
<th>POWAI BALLROOM 1</th>
<th>POWAI BALLROOM 2</th>
<th>JASMINE</th>
<th>LOTUS</th>
<th>NAWAB SAHEB</th>
<th>MEETING ROOM 3</th>
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<tbody>
<tr>
<td>10:00 - 12:00</td>
<td>Workshop 6: Spasticity - Hands-On (A)</td>
<td>Workshop 4: Neurologic Music Therapy</td>
<td>Workshop 3: Vestibular Rehabilitation</td>
<td>Workshop 2: Telerehabilitation - A Hard Road From Randomised Trials To Actual Services</td>
<td>Workshop 5: Neuro Rehabilitation in Parkinson’s Disease</td>
<td>Workshop 1: Communication</td>
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<tr>
<td>12:00 - 13:00</td>
<td>LUNCH BREAK</td>
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<td>13:00 - 15:00</td>
<td>Workshop 12: Spasticity - Hands-On Upper Limb (B) (I-Start)</td>
<td>Workshop 7: Cannabis</td>
<td>Workshop 8: Speech And Swallowing - Dysphagia Rehabilitation</td>
<td>Workshop 10: Neuromodulation</td>
<td>Workshop 9: Community Neuromodulation</td>
<td>Workshop 11: Communication Overview Of Clinical Trials</td>
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<tr>
<td>15:00 - 15:30</td>
<td>TEA / COFFEE BREAK</td>
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<tr>
<td>17:45 - 18:30</td>
<td>Inaugural Oration: Issues Related With The Neurological Disorders of Old Age and Rehabilitation</td>
<td>Professor Nirmal Kumar Ganguly (Padma Bhushan Awardee)</td>
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<td>18:30 - 19:30</td>
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<td>19:30</td>
<td>Cultural Evening Followed By Inaugural Dinner</td>
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## Thursday, February 8, 2018

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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>07:15 - 08:15</td>
<td>Meet The Prof 1: How Aligned Are We With Patients Expectations In Early And Established Spasticity Management</td>
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<td>Meet The Prof 2: Treatment Strategies In Early Neurorehab</td>
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<td>Meet The Prof 3: Cochrane</td>
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<td>Meet The Prof 4: Treatment Options With Botulinum Toxin</td>
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<td>Meet The Prof 5: Management Of Neuropathic Pain</td>
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<td>Breakfast Session</td>
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<td>08:15 - 08:30</td>
<td>BREAK</td>
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<td>08:30 - 09:30</td>
<td>Barnes Lecture: Molecular Neurorehabilitation - From Smart Mice to Smarter Human: Stanley Thomas Carmichael</td>
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<tr>
<td>09:30 - 10:00</td>
<td>Plerary Session: Janus Head - The enigmatic role of motor learning in Neurorehabilitation: Leonardo Cohen</td>
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<tr>
<td>10:00 - 10:30</td>
<td>TEA / COFFEE BREAK AND POSTER VIEWING SESSION</td>
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<tr>
<td>10:30 - 12:00</td>
<td>Neuroinfection in Developing World (DWF-I)</td>
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<td>Symposium 1: Spinal Cord Injury</td>
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<td>Symposium 2: Concussion</td>
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<td>Symposium 3: Molecular Mechanisms Of Recovery</td>
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<td>Cochrane</td>
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<td>SAARC Joint Session (IFNR-II)</td>
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<td>12:00 - 14:00</td>
<td>LUNCH BREAK AND POSTER VIEWING SESSION</td>
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<tr>
<td>12:30 - 14:00</td>
<td>IAN Symposium (INTAS)</td>
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<td>Sponsored Symposium: Management Of Spastic Paresis With Abobonta - Timing It Right (IPSEN)</td>
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<tr>
<td>14:00 - 15:30</td>
<td>Oral Presentation: Stroke</td>
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<td>Oral Presentation: Traumatic Brain Injury</td>
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<td>Oral Presentation: Robotics, Orthotics And Related Technology</td>
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<td>Oral Presentation: Stroke</td>
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<td>Oral Presentation: Stroke</td>
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<tr>
<td>15:30 - 16:15</td>
<td>TEA / COFFEE BREAK AND POSTER VIEWING SESSION</td>
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<td>16:15 - 17:15</td>
<td>AOSNR Joint Symposium (DWF-II)</td>
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<td>Symposium 4: Neuropathic Pain</td>
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<td>Symposium 5: Advances In The Treatment And Research On TBI</td>
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<td>Outreach Programmes In Developing Countries</td>
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<td>Outreach Programmes In Developing Countries</td>
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<td>Session (IFNR): Multidisciplinary Team Approach In Neurorehabilitation In India</td>
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<tr>
<td>17:15 - 18:45</td>
<td>MAN Symposium: Intas Pharmaceuticals Ltd</td>
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<td>SIG Meeting: Spinal Cord Injury</td>
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<td>SIG Meeting: Communication</td>
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<tr>
<td>19:00 - 20:30</td>
<td>MAN Symposium: Intas Pharmaceuticals Ltd</td>
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<td>SIG Meeting: Community Based Neurorehabilitation</td>
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<td>SIG Meeting: Developing World Forum</td>
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<td>SIG Meeting: Neurosurgery</td>
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<td>SIG Meeting: Cognitive Neurorehabilitation</td>
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<tr>
<td>19:30</td>
<td>Faculty Reception - Gauri Point</td>
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### SIG Meetings

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<th>Time</th>
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<tbody>
<tr>
<td>15:30 - 16:15</td>
<td>SIG Meeting: Telehealth</td>
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<td>SIG Meeting: Autonomic Rehabilitation (ANSIG)</td>
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<td>SIG Meeting: Spinal Cord Injury</td>
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<td>SIG Meeting: Communication</td>
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<td>18:45 - 19:15</td>
<td>SIG Meeting: Clinical Pathways</td>
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<td>SIG Meeting: Community Based Neurorehabilitation</td>
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<td>SIG Meeting: Developing World Forum</td>
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<td>SIG Meeting: Neurosurgery</td>
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<td>SIG Meeting: Cognitive Neurorehabilitation</td>
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### FRIDAY, FEBRUARY 9, 2018

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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>07:15 - 08:15</td>
<td>Meet The Prof 6: When To Treat Spasticity And How</td>
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<td>Meet The Prof 7: Prognosis Of Stroke</td>
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<td>Meet The Prof 8: Neglect Rehabilitation</td>
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<td>Meet The Prof 9: Update On Pharmacology In Neurorehabilitation</td>
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<td>Meet The Prof 10: Addressing three common syndromes in NeuroRehabilitation - Spastic Paresis, Parkinsonism and Tremors</td>
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<td>Breakfast Session</td>
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<td>Breakfast Session (IFNR Session)</td>
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<tr>
<td>08:15 - 08:30</td>
<td>BREAK</td>
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<tr>
<td>08:30 - 09:30</td>
<td>Plenary Session:</td>
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<td>Presidential Lecture: Neurorehabilitation - Challenges Ahead:</td>
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<td></td>
<td>Leonard S. W. Li</td>
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<tr>
<td>09:30 - 11:00</td>
<td>Tea / Coffee Break and Poster Viewing</td>
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<tr>
<td>11:00 - 12:30</td>
<td>Session On Alternate Medicine (DWF-I)</td>
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<td>Symposium 7: Critical Illness - Neuromyopathy</td>
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<td>Symposium 8: Cognitive Neurology &amp; Neuropsychology</td>
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<td>Symposium 9: Spasticity</td>
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<td>WFNR-ISPNR Disaster Rehabilitation</td>
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<td>IAN Neurorehab Subsection Symposium</td>
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<td>12:30 - 14:00</td>
<td>Lunch</td>
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<td>12:30 - 14:00</td>
<td>Sponsored Symposium:</td>
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<td>Hocoma - How To Make Intensive Therapy Effective And Affordable</td>
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<td>La Renon - Pain</td>
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<td>Joint Symposium On OCC Of WFNR With IFNR And Instituto Santarina</td>
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<td>Crione In Memory Of Prof. Giuliano Dolci</td>
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<td>14:00 - 14:45</td>
<td>Oral Presentation:</td>
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<td>Stroke</td>
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<td>Other Diseases</td>
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<td>Cognitive Disorders / Neuropsychology</td>
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<td>Stroke</td>
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<td>Spinal Cord Injury</td>
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<td>Parkinson And Other Neurodegenerative Diseases / Peripheral Neuropathy And Neuromuscular Disease</td>
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<tr>
<td>15:30 - 16:30</td>
<td>Break and Poster Viewing</td>
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<tr>
<td>16:30 - 18:00</td>
<td>WHO Symposium (DWF-I)</td>
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<td>Symposium 10: Neurorehabilitation, Transition And Ageing In Cerebral Palsy</td>
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<td>Symposium 11: Behavioural Disturbances After Acquired Brain Injury</td>
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<td>Symposium 12: Motor Rehabilitation</td>
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<td>ISART Session:</td>
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<td>Supporting Organization Symposium (IFNR-IV)</td>
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<tr>
<td>19:00 - 20:00</td>
<td>General Assembly</td>
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<td>20:00</td>
<td>Banquet (Bollywood Night)</td>
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### SIG MEETINGS

<table>
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<th>Time</th>
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<tbody>
<tr>
<td>14:45 - 15:30</td>
<td>SIG Meeting: Ethics</td>
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<td>SIG Meeting: Neuropsychological Rehabilitation</td>
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<td>18:00 - 19:00</td>
<td>SIG Meeting: Pediatric Rehabilitation</td>
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<td>SIG Meeting: Clinical Trials</td>
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<td>SIG Meeting: Neurologic Music Therapy</td>
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### Saturday, February 10, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Hall</th>
<th>Meet The Prof 12: When To Start Rehab After Stroke</th>
<th>Meet The Prof 13: What Is Neurological Music Therapy Good For</th>
<th>Meet The Prof 14: How To Make A Prognosis For Recovery Potential After Stroke</th>
<th>Meet The Prof 15: Hints For Young Researchers</th>
<th>Meet The Prof 16: Unmet Needs In Neurorehabilitation Education</th>
<th>Breakfast Session: Neonatal Rehabilitation</th>
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<tr>
<td>08:15 - 08:30</td>
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<td>08:30 - 09:00</td>
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<td>Plenary Session: Anticorrelated processes in neurobiology - possible consequences for NR strategies: Dafin Muresanu</td>
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<td>14:00 - 14:45</td>
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<td>Cochrane Workshop</td>
<td>Oral Presentation: Motor Control</td>
<td>Oral Presentation: Other Diseases</td>
<td>Oral Presentation: Stroke</td>
<td>Oral Presentation: Stroke / Peripheral Neuropathy And Neuromuscular Disease</td>
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<tr>
<td>15:30 - 17:00</td>
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<td>Neuroinfection - DWF (II)</td>
<td>Symposium 16: Language And Communication Disorders</td>
<td>Symposium 17: Multiple Sclerosis</td>
<td>Symposium 18: Movement Disorders</td>
<td>Model Of Out Reach Program For Community Rehabilitation</td>
<td>Session - IFNR-V: Symposium On Back And Neck Pain Disorder</td>
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<td>17:00 - 17:45</td>
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### SIG Meetings

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<tr>
<th>Time</th>
<th>JASMINE</th>
<th>MEETING ROOM 1</th>
<th>MEETING ROOM 3</th>
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<tbody>
<tr>
<td>14:45 - 15:30</td>
<td>SIG Meeting: Posture Mobility Falls</td>
<td>SIG Meeting: SIG MAC - Measurement, Assessment &amp; Classification</td>
<td>SIG Meeting: Continence And Bowel Management In Neurorehabilitation</td>
</tr>
</tbody>
</table>
PROGRAM: PUBLIC FORUM

THURSDAY, FEBRUARY 8, 2018

TRAUMATIC BRAIN INJURY (TBI)
Time :  10:00 am - 12:00 noon
Conveners :  Rajendra Prasad, C. Deopujari, Suresh Sankhla, D. Muzumdar
NGO/Organization :  IHIF (Indian Head Injury Foundation), NSI (Neurological Society of India), BNA (Bombay Neurosciences Association)
International Speakers :  Caterina Pistarani (Chair, Mild and Severe Brain Injury SIG)
National Speakers / Panel :  C. Deopujari, Rajendra Prasad, Suresh Sankhla, D. Muzumdar, Tarun Lala
Special Invitees :  HRH Maharaja of Jodhpur, Aminesh Kumar (Jt. Comm. of Police — Traffic), Subhash Ghai (Director, Filmmaker)

SPINAL CORD INJURY
Time :  12.30 pm - 02.30 pm
Conveners :  Ankur Nanda, Ketna Mehta
NGO/Organization :  Spinal Cord Society, Indian Spinal Injuries Center, Nina Foundation
International Speakers :  Humberto Antnio Cerrel Bazo (Chair, Spinal Cord Injury, SIG), Lisa Harvey (Editor-in-Chief, Spinal Cord), Maggie Mouldon
National Speakers / Panel :  Ankur Nanda, Ketna Mehta

CEREBRAL PALSY
Time :  03:00 pm - 05:00 pm
Conveners :  Mithu Alur, Shabnam Rangwala
NGO/Organization :  ADAPT (Able Disabled All People Together)
International Speakers :  Martin Staudt (Co-Chairperson, Pediatric Neurorehabilitation, SIG)
National Speakers / Panel :  Ashok Johari, Anaita Hegde, Richard Rieser
PROGRAM: PUBLIC FORUM

FRIDAY, FEBRUARY 9, 2018

DEMENTIA
Time : 10:00 am -12:00 noon
Conveners : Suvarna Alladi, Vidya Shenoy, Sailesh Mishra
NGO/Organization : ARDSI (Alzheimer’s and Related Disorders Society of India, Silver Innings)
International Speakers : Dafin Muresanu (President, European Federation of Neurorehab Societies - EFNR)
National Speakers / Panel : Suvarna Alladi, Vidya Shenoy, Sailesh Mishra
Special Invitees : Prakash Borgaonkar (Director, HelpAge India)

POLICY AND LEGAL ASPECTS
Time : 12.30 pm - 02.30 pm
Conveners : B. Athani (Ministry of Health Government of India), N. Surya
International Speakers : Matilde Leonardi (Chair SIG-MAC - Measurement, Assessment and Classification)
National Speakers / Panel : Ravindra Singh (ICMR)

STROKE
Time : 03:00 pm - 05:00 pm
Conveners : Shirish Hastak, Dheeraj Khurana
NGO/Organization : Wockhardt Stroke Support Group
International Speakers : Gert Kwakkel (Chair, Neurorehab Dept, Rehab Medicine, Amsterdam)
National Speakers / Panel : Shirish Hastak, Dheeraj Khurana
Special Invitees : Harman Baweja (Bollywood Actor)
PROGRAM: PUBLIC FORUM

SATURDAY, FEBRUARY 10, 2018

MULTIPLE SCLEROSIS
Time : 10:00 am - 12:00 noon
Conveners : Sheela Chitnis, Geeta Mirchandani
NGO/Organization : MSSI (Multiple Sclerosis Society of India)
International Speakers : Jurg Kesselring (President, Swiss Multiple Sclerosis Society, Chairman, WHO Working Group on Multiple Sclerosis)
National Speakers / Panel : Sarosh Katrak, Girish Nair, Snehal Patel
Special Invitees : Prashant Laghate (Director, MERCK)

EPILEPSY
Time : 12:30 pm - 02:30 pm
Conveners : Pravina Shah, Carol D’Souza, Nirmal Surya, Rahul Ambadskar, Hetal Shah
NGO/Organization : Samman Association, Epilepsy Foundation
International Speakers : Alla Guekht (Head, Neurology and Epilepsy Clinic, Moscow)
National Speakers / Panel : Gagandeep Singh, Sanjeev Thomas
Special Invitees : Sailesh Lodha (TV Star)

PARKINSON’S DISEASE
Time : 03:00 pm - 05:00 pm
Conveners : Maria Baretto, Nicole D’Souza
NGO/Organization : PDMDS (Parkinson’s Disease and Movement Disorder Society)
International Speakers : Jean-Michel Gracies
National Speakers / Panel : Rajvi Mehta, J. S. Kathpal
GENERAL INFORMATION

CONFERENCE VENUE
Renaissance Mumbai Convention Centre Hotel, Mumbai, India

LANGUAGE
The official language at the conference is English. Local language is Marathi & Hindi. No simultaneous translation is provided.

REGISTRATION DESK/CONFERENCE OFFICE
Porch Area Convention Centre Lobby
Open:
Wednesday, February 7, 2018 . . . . . . . . . . . . . . . . . . . 0900 - 2200
Thursday, February 8, 2018. . . . . . . . . . . . . . . . . . . . . 0700 - 1900
Friday, February 9, 2018 . . . . . . . . . . . . . . . . . . . . . . . 0700 - 1900
Saturday, February 10, 2018 . . . . . . . . . . . . . . . . . . . . 0700 - 1500

HALL LOCATION
Grand Ballroom 2 . . . . . . . . . . . . . . . . . . Hall B
Grand Ballroom 3 . . . . . . . . . . . . . . . . . . Hall C
Powai Ballroom . . . . . . . . . . . . . . . . . . Hall D
Lotus Hall . . . . . . . . . . . . . . . . . . . . . . . . Hall E
Jasmine Hall . . . . . . . . . . . . . . . . . . . . . . . Hall F
Nawab Saheb . . . . . . . . . . . . . . . . . . . . . . Hall H
Ballroom Pre-Function Area . . . . Trade Exhibition Area
Powai Ballroom Pre-Function Area . . Trade Exhibition Area
Meeting Room No. 1 . . . . . . . . . . . . . . . Breakfast Session
Meeting Room No. 2 . . . . . . . . . . . . . . . Preview Room
Meeting Room No. 3 . . . . . . . . . . . . . . . Breakfast Session
Meeting Room No. 4 . . . . . . . . . . . . . . . Gift Room
Meeting Room No. 5 . . . . . . . . . . . . . . . Media Room
GBR Lawns Area . . . . . . . . . . . . . . . . . . Meal Area
1st Floor Terrace . . . . . . . . . . . . . . . . . . Meal Area 2 / Internet Café / Hospitality Centre by Intas / Lounge /
Cloak Room
2nd Floor Terrace (Level 2) . . . . . . Poster Area / Exhibitor Area
UPCOMING EVENTS
Welcome & Inaugural Dinner  February 7, 2018  Grand Ballroom (Dress Code: Formals)
Faculty Dinner  February 8, 2018  Gauri Point (By Invitation Only)
Bollywood Night  February 9, 2018  Grand Ballroom (Dress Code: Indian or Casuals)
*Delegates who wish to buy additional passes can avail the same from Registration counter at 80$ per pass / per day.

NAME BADGE
Please wear your name badge during all conference events. Admission to scientific sessions and to the Exhibition site is restricted to participants wearing their badge. Participants will receive their name badge at the Registration counter.

CERTIFICATE OF ATTENDANCE
Can be collected from the Registration counter from Friday, February 9, 2018 onwards.

SPEAKERS SLIDE PREVIEW DESK
A slide Preview Desk is available for speakers in the MEETING ROOM 2. It is mandatory to prepare presentations in PowerPoint (Windows or Mac) and carry on USB pen drives or memory sticks. Presenters should upload their slides a minimum of six hours prior to their schedule presentation time. Personal Laptops are not allowed.

DISCUSSION
Microphone will be at your disposal in the conference room.

POSTER AREA (TERRACE LEVEL 2)
Timing: 07:00 AM to 06:00 PM
Judging will happen during morning tea break, lunch & evening tea break.
We will help you with tapes to put up your poster.
The posters need to be in portrait dimension and the sizes for the same would be 4 x 3 feet (120 x 90 cm).
Please remove the poster every evening by 6.00 PM and organisers are not responsible for any loss of the poster.

ORAL PRESENTATION
The Preview Room would be available from 6th February onwards.
We request you to kindly load your presentation at least 6hrs prior.
Our technician would be there to assist you at the counter.

CLOAK ROOM
Located at Terrace Level 1.
LOST & FOUND
Lost & found items can be recovered at the Conference Office / Registration Desk.

MOBILE PHONES
The use of mobile phones is prohibited during the scientific sessions. Participants are kindly requested to keep mobile phones turned off during the scientific sessions.

NO-SMOKING POLICY
For the comfort and health of all participants, smoking is strictly prohibited in the building. In accordance with the local regulations, this conference follows a strict no-smoking policy. Therefore, participants are kindly requested to refrain from smoking in the conference area.

TRANSPORT
The organizer does not arrange transports for participants. We recommend using UBER, OLA or Yellow & Black taxi.

Ola Cabs:
Download Ola app and use following codes:
Drop Location offer: Any customer visiting Renaissance Convention Centre can avail of 10% discount upto Rs. 50 on Ola Mini/Prime rides (Use code: WCNR2018).
Pick up location offer: Any customer going back from Renaissance Convention Centre can avail of 10% discount upto Rs. 50 off on Ola Mini/Prime rides (Use code: WFNR2018)
These codes will work only on rides with drop location/pick up location as Renaissance Convention Centre.
Terms and conditions of Drop location offer:
1. Offer valid on Ola mini and prime rides from 6th to 11th February, 2018
2. WCNR2018: Maximum discount up to Rs. 50
3. Offers valid only on rides with drop location as Renaissance Convention Centre.
Terms and conditions of Pickup location offer:
1. Offer valid on Ola Mini and Prime rides from 6th to 11th February, 2018
2. WFNR2018: Maximum discount up to Rs. 50
3. Offers valid only on rides with pickup location as Renaissance Convention Centre.

INTERNET
Complimentary WiFi is available to all delegates.
INSURANCE
The Conference Organizer does not assume any liability for personal injuries sustained or loss of, or damage to, property belonging to conference participants (or their accompanying persons), either during or as result of the conference. Participants are requested to make their own arrangements with respect to health and travel insurance.

CURRENCY
The official currency in India is Rupees (INR).

BANKS
Traditional Bank business hours are from Monday to Friday, 9:00 am - 4:00 pm. Banks are usually closed on Saturday and Sunday. All bank agencies have ATM located outside to provide 24 hours service.

CREDIT CARDS
All major credit cards are accepted by hotels, shops and restaurants.

ELECTRICITY
Electricity in India is supplied at 220V.

FIRST AID & HOSPITAL SERVICES
For very urgent and serious cases, call the free 104 emergency ambulance service.

TELEPHONE NUMBERS
Emergency telephone numbers are composed of three digits and can be dialled from mobile telephones and phone boxes free of charge. When phoning to India, first dial +91 (00 91) followed by the ten-digit number.

OTHER IMPORTANT TELEPHONE NUMBERS
112  General Emergencies
104  Ambulances
100  Police
101  Fire Brigade

SHOPPING
The working hours of most stores in Mumbai are 11:00 am - 09:00 pm from Monday to Saturday; some of them are also open on Sunday. Shopping in Mumbai is an experience in itself; the extensive fashion stores and shopping malls advertise the latest fashions trends existing in Mumbai at every time.
INSTRUCTIONS FOR POSTER BOARD PRESENTERS

- Poster session will be display on February 8, 9 &10, 2018
- Each Poster is given a number and the Date of Presentation.
- Please use the Board with the same number as allotted to the poster on the date of presentation.
- Posters will be on display everyday on Level II from 7.00 am to 6.00 pm
- Poster should be removed by 6.00 pm. Organizers are not responsible for any poster that has not been removed by this time.
- ONE BEST POSTER AWARD will be given daily. Prize will be Cash amount of Rs. 15,000/- and will be declared during the Valedictory Function. The awardee should be present during the announcement.
- There will be Poster Helpdesk for any assistance if required.
Chhatrapati Shivaji Maharaj Terminus, formerly known as Victoria Terminus is a historic railway station and a UNESCO World Heritage Site in Mumbai, Maharashtra, India which serves as the headquarters of the Central Railways. The station has been designed by Frederick William Stevens according to the concept of Victorian Italianate Gothic Revival architecture and meant to be a similar revival of Indian Goth (classical era) architecture. The station’s name was changed from Victoria Terminus (with code BB) to Chhatrapati Shivaji Terminus in March 1996 in honour of Emperor Chhatrapati Shivaji, founder of the Maratha Empire. In 2017, the station was again renamed Chhatrapati Shivaji Maharaj Terminus.
10:00 - 12:00  MEETING ROOM 3

WORKSHOP 1: COMMUNICATION

10:00 - 11:00  Technological applications for Aphasia Rehabilitation: Swathi Kiran (United States)

11:00 - 12:00  Role of computers and information technology in rehabilitation of persons with Aphasia: S. P. Goswami (India)

10:00 - 12:00  LOTUS

WORKSHOP 2: TELEREHABILITATION - A HARD ROAD FROM RANDOMISED TRIALS TO ACTUAL SERVICES

10:00 - 11:00  Experience in Motor Telerehabilitation: Paolo Tonin (Italy)

11:00 - 12:00  Experience in Speech and Language Telerehabilitation: Annie Hill (Australia)

10:00 - 12:00  JASMINE

WORKSHOP 3: VESTIBULAR REHABILITATION

10:00 - 10:25  An overview of the patient with dizziness and balance disorders - Focus on clinical examination: Sudhir Kothari (India)

10:25 - 10:45  Maintenance of balance and status of Vestibulometry in pinpoint diagnosis of the defective part of the balance system: Anirban Biswas (India)

10:45 - 11:15  Organ targeted vestibular physiotherapy (a new modality in physical therapy of vestibular disorders and how the current practice of long continued pharmaco therapy with anti-vertigo drugs jeopardises the balance system): Anirban Biswas (India)

11:15 - 11:45  Role of physical therapy for BPPV: Sudhir Kothari (India)

11:45 - 12:00  Q&A

10:00 - 12:00  POWAI BALLROOM 2

WORKSHOP 4: NEUROLOGIC MUSIC THERAPY

Co-Chairs: Michael Thaut (Canada), Shantala Hegde (India)
WORKSHOP 5: NEURO REHABILITATION IN PARKINSON'S DISEASE
Chair: Jean-Michel Gracies (France)

10:00 - 12:00  NAWAB SAHEB

WORKSHOP 6: SPASTICITY - HANDS ON (A)
Chair: Gerard Francisco (United States)

10:00 - 12:00  POWAI BALLROOM 1

10:00 - 10:20  Novel therapies for Spasticity: Areerat Supputtitada (Thailand)
10:20 - 10:40  Optimization of Chemodenervation techniques: Rajiv Reebeye (Canada)
10:40 - 10:55  Techniques for Chemodenervation of less common muscles: Gerard Francisco (United States)
10:55 - 11:00  Transition to injection demonstration 1
11:00 - 11:25  Injection Demonstration 1 - Upper limb: Gerard Francisco (United States)
11:25 - 11:30  Transition to injection demonstration 2
11:30 - 11:55  Injection Demonstration 2 - Lower limb: Rajiv Reebeye (Canada)
11:55 - 12:00  Wrap-up

12:00 - 13:00  LUNCH

13:00 - 15:00  POWAI BALLROOM 2

WORKSHOP 7: CANNABIS

13:00 - 15:00  Medicinal Cannabis: Michael Barnes (United Kingdom)

13:00 - 15:00  JASMINE

WORKSHOP 8: SPEECH AND SWALLOWING - DYSPHAGIA REHABILITATION

13:00 - 14:00  Dysphagia treatment based on evaluation: Yoko Inamoto (Japan)
14:00 - 15:00  Overview of dysphagia rehabilitation: Eiichi Saitoh (Japan)
### WORKSHOP 9: COMMUNITY NEUROREHABILITATION

**13:00 - 13:10**
Introduction - Perspectives for Community Rehabilitation Development and Neuro Rehabilitation Role: Alessandro Giustini (Italy)

**13:10 - 13:35**
Overview of CBR in Vietnam: Luong Tuan Khanh (Vietnam)

**13:35 - 14:00**
Community Based Rehabilitation in Philippines: Arturo F. Surdilla (Philippines)

**14:00 - 14:25**
Community Based Rehabilitation in Malaysia: Zaliha Omar (Malaysia)

**14:25 - 14:50**
OVCI Our Family - Community Rehabilitation in Beijing: Monica Mongodi (China)

**14:50 - 15:00**
Q & A

### WORKSHOP 10: NEUROMODULATION

**13:00 - 15:00**
Leonardo Cohen (United States)

### WORKSHOP 11: STUDY DESIGN - OVERVIEW OF CLINICAL TRIALS

**13:00 - 13:30**
Issues in trial design for stroke recovery: Steven C. Cramer (United States)

**13:30 - 14:00**
Power and precision in stroke recovery trials: Gert Kwakkel (Netherlands)

**14:00 - 14:30**
Adaptive trials - The way of the future?: Julie Bernhardt (Australia)

**14:30 - 15:00**
Q&A

### WORKSHOP 12: SPASTICITY - HANDS-ON UPPER LIMB (B) (I-START)

**13:00 - 13:25**
Evaluation: Lalith Satkunam (Canada)

**13:25 - 13:40**
Goal Setting: Nirmal Surya (India)

**13:40 - 13:50**
Discussion: Abhishek Srivastava (India)

**13:50 - 14:25**
Case A - Surface Live injection by Surface Anatomy: Mrinal Joshi, Lalith Satkunam (Canada)

**14:25 - 15:00**
Case B - Live injection with ultrasound guidance: Abhishek Srivastava (India), Lalith Satkunam (Canada)
**15:00 - 15:30 TEA / COFFEE BREAK**

**15:30 - 17:30 NAWAB SAHEB**

**WORKSHOP 13: ULTRASOUND GUIDED PAIN INTERVENTION IN NEUROREHABILITATION**
Chair: Navita Purohit *(India)*

- 15:30 - 15:45 Basics of Ultrasound: Navita Purohit *(India)*
- 15:45 - 15:55 Sonoanatomy of Glenohumeral, AC Joint Bicepsperitendinous Inj, Suprascapular Nerve Block: Navita Purohit *(India)*
- 15:55 - 16:05 Sonoanatomy of hip joint, Trochater Bursa Piriformislnj: K. Sreejith *(India)*
- 16:05 - 16:20 Sonoanatomy of Knee Joint, Genicular Nerve Inj: T. C. T. Novy *(Indonesia)*
- 16:20 - 17:30 Hands on practice on volunteers

**15:30 - 17:30 LOTUS**

**WORKSHOP 14: AUTONOMIC REHABILITATION**
Co-Chairs: Ellen Merele Hagen *(United Kingdom)*, Ad Ramaekers

**15:30 - 17:30 JASMINE**

**WORKSHOP 15: (IFNR): ICF USE FOR GOAL SETTING**

- 15:30 - 16:00 Planning a Rehabilitation Plan by Setting Goals with ICF: Klemens Fheodoroff *(Austria)*
- 16:30 - 17:30 Assessing and Identifying Key Functioning Areas With ICF and WHO DAS 2.0 to Define a Rehabilitation Plan: Matilde Leonardi *(Italy)*

**15:30 - 17:30 MEETING ROOM 3**

**WORKSHOP 16: GENETIC BIOMARKERS**

- 15:30 - 16:30 Genetic Factors and Stroke Recovery - Part 1: Nam-Jog Paik *(Korea)*
- 16:30 - 17:30 Genetic Factors and Stroke Recovery - Part 2: Steven C. Cramer *(United States)*

**15:30 - 17:30 POWAI BALLROOM 2**

**WORKSHOP 17: (IFNR): AUTISM & RELATED DISORDERS**

- 15:30 - 15:50 Neurobiology of Autism: Vrajesh Udani *(India)*
- 15:50 - 16:10 Clinical Features and Early Identification: Samir Dalwai *(India)*
16:10 - 16:30 Diagnosis and comorbidities: Vrajesh Udani (India)
16:30 - 17:10 Panel Discussion - Multidisciplinary Intervention:
  Moderator: Samir Dalwai (India)
  Panelists: Shashi Oberai (India), Urvashi Shah (India), Gayatri Hattangadi,
            Anaita Hegde (India)
17:10 - 17:30 Pharmacotherapy: Anaita Hegde (India)

15:30 - 17:30 POWAI BALLROOM 1

WORKSHOP 18:
(IFNR): SPASTICITY - HANDS-ON LOWER LIMB (C) I-START
Chairs: Nirmal Surya (India), Ajay Gupta (India), Lalith Satkunam (Canada)

15:30 - 15:55 Evaluation: Leonard S. W. Li (Hong Kong)
15:55 - 16:10 Goal Setting: Ajay Gupta (India)
16:10 - 16:50 Live injection with surface anatomy: Ajay Gupta (India), Lalith Satkunam (Canada)
16:50 - 17:30 Live injection with EMG Guidance: Pettarusp Wadia (India), Nirmal Surya (India)

17:45 - 18:30 HALL A-C

INAUGURAL ORATION
Chairs: R. K. Srivastava (India), Leonard S W Li (Hong Kong)

17:45 - 18:30 Issues Related With The Neurological Disorders of Old Age and Rehabilitation:
Professor Nirmal Kumar Ganguly (Padma Bhushan Awardee)

18:30 - 19:30 HALL A-C

INAUGURATION

19:30 ONWARDS HALL A-C

CULTURAL EVENING FOLLOWED BY INAUGURAL DINNER
### SCIENTIFIC PROGRAMME

**THURSDAY, FEBRUARY 8, 2018**

#### POWAI BALLROOM 1

**07:15 - 08:15**

**MEET THE PROF 1: HOW ALIGNED ARE WE WITH PATIENTS EXPECTATIONS IN EARLY AND ESTABLISHED SPASTICITY MANAGEMENT**

Chair: Michael Barnes *(United Kingdom)*

- **07:15 - 07:20**
  - Introduction: Michael Barnes *(United Kingdom)*

- **07:20 - 07:45**
  - ULIS - A longitudinal person-centred program in spasticity - One more step forward: Lynne Turner Stokes *(United Kingdom)*

- **07:45 - 08:05**
  - Why, When and How to manage patients with developing (or evolving?) spasticity: Raymond Rosales *(Philippines)*

#### POWAI BALLROOM 2

**07:15 - 08:15**

**MEET THE PROF 2: TREATMENT STRATEGIES IN EARLY NEUROREHAB**

- **Assessments of disorders of Consciousness:** Dana Boering *(Germany)*

#### MEETING ROOM 1

**07:15 - 08:15**

**MEET THE PROF 3: COCHRANE**

- **Cochrane’s approach to grading the evidence - Challenges for Neurorehabilitation:** William Levack *(New Zealand)*

#### MEETING ROOM 3

**07:15 - 08:15**

**MEET THE PROF 4: TREATMENT OPTIONS WITH BOTULINUM TOXIN**

- **Treatment options with botulinum toxin in stroke patients:**
  - Jorge Hernandez Franco *(Mexico)*

#### HALL E

**07:15 - 08:15**

**MEET THE PROF 5: MANAGEMENT OF NEUROPATHIC PAIN**

- **Hemiplegic shoulder pain - Logical approach to manage:**
  - Leonard S W Li *(Hong Kong)*
07:15 - 08:15  HALL F

BREACKFAST SESSION
Co-Chairs: AV Srinivasan (India), Kalyanbrata Bhattacharya (India)

07:15 - 07:45  Advances in Neurorehabilitation: Krishnan Padmakumari Siv Nair (United Kingdom)
07:45 - 08:15  Neurobiology of happiness and its impact on Neurorehabilitation: Sudhir Shah (India)

07:15 - 08:15  HALL H

BREACKFAST SESSION
Co-Chairs: Madakasira Vasantha Padma (India), Subhash Kaul (India)

07:15 - 07:30  Stroke intervention: Deepak Arjundas (India)
07:30 - 07:45  Endovascular treatment option: Gigy Kuruttukalam (India)
07:45 - 08:15  Future of Stroke Rehabilitation: David Good (United States)

08:30 - 09:30  HALL A-C

BARNES LECTURE

08:30 - 09:30  Molecular Neurorehabilitation - From Smart Mice to Smarter Human: Stanley Thomas Carmichael (United States)

09:30 - 10:00  HALL A-C

PLENARY SESSION

09:30 - 10:00  Janus Head - The enigmatic role of motor learning in Neurorehabilitation: Leonardo Cohen (United States)

10:00 - 10:30  TEA / COFFEE BREAK AND POSTER VIEWING SESSION

10:30 - 12:00  HALL A

NEUROINFECTION IN DEVELOPING WORLD (DWF-I)
Co-Chairs: M. Chandrashekhar (India), R Chakor (India), Usha Kant Misra (India)

10:30 - 10:50  Japanese Encephalitis: Usha Kant Misra (India)
10:50 - 11:10  Chikungunya: Rahul Kulkarni (India)
11:10 - 11:30  CNS Protozoal infection: Rajat Madan (United States)
10:30 - 12:00  HALL B

**SYMPOSIUM 1: SPINAL CORD INJURY**

Co-Chairs: Humberto Cerrel Bazo (Italy), A. K. Mukherjee (India), U Meenakshi (India)

10:30 - 10:55  The Good, The Bad and The Ugly of spinal cord injury electrical-neuromodulation - Towards a better evaluation and targeted treatment strategy:
Humberto Antonio Cerrel-Bazo (Italy)

10:55 - 11:20  Spinal cord injuries in Asia Pacific region - Challenges and opportunities:
A. K. Mukherjee (India)

11:20 - 11:45  Strength training following SCI:
Lisa Harvey (New Zealand)

11:45 - 12:00  Q & A

10:30 - 12:00  HALL C

**SYMPOSIUM 2: CONCUSSION**

Co-Chairs: Douglas Katz (United States), K. E. Turel (India), E. S. Krishnamoorty (India)

10:30 - 10:55  The problem of diagnosing concussion and post-concussion syndrome - Persistent problems and implications for rehabilitation:
Douglas Katz (United States)

10:55 - 11:20  Neuropsychological assessment of cognition and post-concussion symptoms - Implications for treatment and rehabilitation:
Jamuna Rajeswaran (India)

11:20 - 11:45  Epidemiology and outcome of mild TBI/concussion - Indian and International perspectives:
Amit Agrawal (India)

11:45 - 12:00  Q & A

10:30 - 12:00  HALL D

**SYMPOSIUM 3: MOLECULAR MECHANISMS OF RECOVERY**

Co-Chairs: Mickey Selzer (United States), Ashok Pangariya (India), Madakasira Vasanth Padma (India)

10:30 - 10:55  Role of local protein synthesis in CNS axon regeneration: Does its absence explain failure of regeneration in mammals?
Mickey Selzer (United States)
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<th>Time</th>
<th>Event</th>
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<tr>
<td>10:55 - 11:20</td>
<td>Short circuits in the brain - White matter repair and recovery:</td>
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<td>Stanley Thomas Carmichael <em>(United States)</em></td>
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<td>11:20 - 11:45</td>
<td>Intraneuronal signalling mediating axon regeneration: Naren Ramanan <em>(India)</em></td>
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<td>11:45 - 12:00</td>
<td>Q &amp; A</td>
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**10:30 - 12:00 HALL E**

**COCHRANE**

Co-Chairs: Thomas Platz *(Germany)*, N. Bharucha *(India)*, Jayraj Pandyan *(India)*

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<th>Time</th>
<th>Event</th>
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<tr>
<td>10:30 - 11:00</td>
<td>Cochrane Organisation - Mission, Goals, Strategies: David Tovey <em>(United Kingdom)</em></td>
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<td>11:00 - 11:30</td>
<td>Cochrane Rehabilitation Field - Goals, Structure, and Tasks:</td>
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<td>William Levack <em>(New Zealand)</em></td>
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<td>11:30 - 12:00</td>
<td>Cochrane Neurorehabilitation Unit - Recent Cochrane Evidence for</td>
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<td>Neurorehabilitation: Thomas Platz <em>(Germany)</em></td>
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**10:30 - 12:00 HALL F**

**SAARC JOINT SESSION (IFNR-II)**

Co-Chairs: Taslim Uddin *(Bangladesh)*, Rajendra Sharma *(India)*, Raju Dhakal *(Nepal)*

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<tr>
<td>10:30 - 10:50</td>
<td>Successes and failures of stroke rehabilitation in Sri Lanka:</td>
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<td>Padma Sriyani Gunaratne <em>(Srilanka)</em></td>
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<td>10:50 - 11:10</td>
<td>Neurorehab services in Bangladesh - Present and future:</td>
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<td>M. Habibur Rahman <em>(Bangladesh)</em></td>
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<td>11:10 - 11:30</td>
<td>Neurological Rehabilitation in India - Challenges &amp; opportunities:</td>
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<td>Anupam Gupta <em>(India)</em></td>
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<td>11:30 - 11:50</td>
<td>Stroke in Nepal - Its opportunities and challenges: Babu Ram Pokharel <em>(Nepal)</em></td>
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<td>11:50 - 12:00</td>
<td>Q &amp; A</td>
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**10:00 - 12:00 HALL H**

**PUBLIC FORUM - TRAUMATIC BRAIN INJURY**

**12:00 - 14:00 LUNCH BREAK AND POSTER VIEWING SESSION**
10th WORLD CONGRESS FOR NEUROREHABILITATION

THURSDAY, FEBRUARY 8, 2018

12:30 - 14:00  HALL A

IAN SYMPOSIUM (INTAS)

Co-Chairs: Sanjeev Thomas (India), Gagandeep Singh (India), Satish Khadilkar (India)

12.30 - 12.50  Neuro-Palliative Care in India - The road ahead: Roop Gurshani (India)
12.50 - 13.10  A model of Integrated Headache Services in India: Debashish Chowdhury (India)
13.10 - 13.30  Epilepsy profile and care in India: Sangeeta Rawat (India)
13.30 - 13.50  Rehabilitation in Parkinson disease: U. Meenakshisundaram (India)
13.50 - 14.00  Q & A

12:30 - 14:00  HALL B

SPONSORED SYMPOSIA: MANAGEMENT OF SPASTIC PARESIS WITH BOTULINUM TOXIN-A: TIMING IT RIGHT (IPSEN)

12:30 - 12:35  Introduction: Gerard Francisco (United States)
12:35 - 13:00  Paediatric spasticity – Clinical observations on treatment intervals: Nigar Dursun (Turkey)
13:00 - 13:25  Adult spasticity – Clinical observations on treatment intervals: Jean-Michel Gracies (France)
13:50 - 14:00  Q & A: Gerard Francisco (United States)

12:30 - 14:00  HALL D

IAPMR Forum: PM&R Education in India

Co-Chairs: Rathin Haldar (India), Feroze Khan (India), Pesi Katrak (Australia), Leonard S W Li (Hong Kong)

Moderators: Navita Purohit (India), Abhishek Srivastava (India)

12:30 - 14:30  HALL H

PUBLIC FORUM: SPINAL CORD INJURY
ORAL PRESENTATION - STROKE

Co-Chairs: M Nair *(India)*, F Poncha *(India)*

14:00 - 14:08 Postural and gait disorders in subacute stroke patients - Lateropulsion is the key:
Dominic Pérennou, Shenhao Dai, Emmanuelle Clarac

14:09 - 14:17 Correlation of FMRI and growth factor upregulation after stem cell infusion in chronic stroke
Neha Kuthiala, Ashu Bhasin, Vasantha Padma Srivastava, Senthil Kumaran, S Vivekanandhan, Sakshi Sharma, Pawan Kumaran, Sujeet Mewar

14:18 - 14:26 A randomized double-blind study assessing the effect of vagus nerve stimulation (VNS) during rehabilitation on post-stroke upper limb recovery
Gerard E Francisco, Jesse Dawson, Teresa J Kimberly, Nuray Yozbatiran, Steven C Cramer, Steven L Wolf, Navzer Engineer, Brent Tarver, David Pierce

14:27 - 14:35 Post stroke review - Gender-specific influences on long-term outcome (a Sino-Australian study)
John Olver, Mary Ni, Judith Frayne, Bianca Fedele, Richard Gerraty, Kelly Bertram, Jorge Zavala, Dean McKenzie

14:36 - 14:44 Building effective spasticity pathway - Combined Neurorehabilitation and hand surgery clinic, outcome of upper limb chronic spasticity management following UMN Syndrome
Jai Kulkarni, Vivien Lees, Paulina Witt, Bhaskar Basu, Renjith Bose, Clifford Richardson

14:45 - 14:53 Acoustic analysis of swallowing in patients with stroke
Jaya Venkatagiri, Karthikeyan B. M, Johnsi Rani R

14:54 - 15:02 Clinical scenario of patients with Multiple Sclerosis (MS) in North India
Dheeraj Khurana, Pratiti Banerjee

15:03 - 15:11 Effect of early use of abobotulinumtoxina on time to post-stroke spasticity progression - Results of the ontime pilot study
Raymond L Rosales, Khean Jin Goh, Witsanu Kumthornthip, Mazlina Mazlan, Lydia Abdul Latif, Mary Mildred D De Los Santos, Chayaporn Chotiarynwong, Phakamas Tanvijit, Jovita Balcaitiene, Pascal Maisonobe, Keng He Kong

15:12 - 15:20 Bold steps in stroke research - Recommendations from the first stroke recovery and rehabilitation roundtable
Julie Bernhardt, Gert Kwakkel, Lara Boyd, Marion Walker, Dale Corbett, Nick Ward, Tammy Hoffmann, S Thomas Carmichael
15:21 - 15:29  Tertiary hospital based study of the care and cost of acute ischemic stroke in Mumbai  
Nirmal Surya, Hitav Pankaj Someshwar, Kushal Agrawal

14:00 - 15:29  HALL B

ORAL PRESENTATION - TRAUMATIC BRAIN INJURY
Co-Chairs: Suresh Sankhla (India), K. K. Kaure (India)

14:00 - 14:08  Natural history of mild traumatic brain injury  
Dhaval P Shukla

14:09 - 14:17  Long-term outcome and prognostication in severe Disorders Of Consciousness (DOC) - Results of a large German prospective multicenter study  
Andreas Bender

14:18 - 14:26  The role of resilience and personality in the psychological adjustment of family members supporting relatives with severe traumatic brain injury  
Maysaa Daher, Malcolm Anderson, Grahame K Simpson

14:27 - 14:35  Functional outcomes after acquired brain injury in childhood - Does the type and location of injury result in different outcomes?  
Lorna Wales, Kathy Davis, Gemma Kelly

14:36 - 14:44  Depression, anxiety and quality of life in children three months after traumatic brain injury  
Juan Carlos Arango - Lasprilla, Laiene Olabarrieta-Landa, Itziar Benito-Sánchez, Daniela Ramos-Usuga, Edgar Ricardo Valdivia Tagarife, Teresita Villaseñor

14:45 - 14:53  Management of traumatic brain injury patients  
Nitin Dange

14:54 - 15:02  One year outcome after TBI - A large prospective cohort  
Rajiv Singh, Suzanne Mason, Fiona Lecky, Jeremy Dawson

15:03 - 15:11  A predictive model of resilience among family caregivers supporting relatives with Traumatic Brain Injury (TBI) - A structural equation modelling approach  
Maysaa Daher, Malcolm Anderson, Grahame K Simpson

15:12 - 15:20  Effect observation of community rehabilitation model on generic set of ICF for patients with TBI  
Jing He, Qingchuan Wei

15:21 - 15:29  TBI - The Indian perspective - Its clinical management, neuropsychological and rehabilitation aspect  
Keki E Turel
ORAL PRESENTATION -
ROBOTICS, ORTHOTICS AND RELATED TECHNOLOGY
Co-Chairs: Rajesh Pramanik (India), Anil Jain (India)

14:00 - 14:08 Effect of rehabilitation robotics controlled by SEMG closed-loop system, for the recovery of hand function after stroke
Andrea Turolla, Francesca Baldan, Alfonc Baba, Alhelou Mahmoud, Iris Jakob

14:09 - 14:17 Virtual reality training is not superior to conventional training - Virtues - A multicenter RCT
Iris Brunner, Jan Sture Skouen, Håkon Hofstad, Jörg Aßmuss, Frank Becker, Anne-Marthe Sanders, Hanne Pallesen, Lola Qvist Kristensen, Marc Michielsen, Liselot Thijs, Geert Verheyden

14:18 - 14:26 Multicenter randomized controlled trial of multi-segmental robotic and technological upper limb rehabilitation in stroke
Irene Aprile, Marco Germanotta, Arianna Cruciani, Cristiano Pecchioli, Simona Loreti, Luca Padua, Fdg Robotic Group

14:27 - 14:35 Power of belief - A game for neuro-motor rehabilitation
Rajendra Kumar Elluri, Raviraja Ganta, Rajat Singla, Rohan Gupta, Kavita Vemuri

14:36 - 14:44 Towards a sensor based wearable garment for neurorehabilitation - The wearitmed consortium
Margit Alt Murphy, Jan Wipenmyr, Leif Sandsjö, Anja Lund, Bengt Hagström, Dongni Johansson, Niina Hernandez, Fredrik Ohlsson, Filip Bergquist, Kristina Malmgren

14:45 - 14:53 Rehabilitation robotics of hand function, after stroke - Diagnostic criteria for reference to therapy
Andrea Turolla, Francesca Baldan, Alfonc Baba, Alhelou Mahmoud, Iris Jakob

14:54 - 15:02 Ultrasound (U/S) versus Compound Muscle Action Potential (CMAP) amplitudes guidance for neurolysis - Which one is better?
Areerat Suputtitada, Kullaya Setthamonkol, Kittikorn Singhabut

15:03 - 15:11 Cost effective orthotic management of lower limbs paralytic disorders
Anil Kumar Jain

15:12 - 15:20 Ultrasound guided suprascapular nerve block in post stroke shoulder pain
Navita Purohit

15:21 - 15:29 Dilemmas and solutions in neurorehabilitation
Julkiakhan Tadvi
ORAL PRESENTATION - STROKE
Co-Chairs: B Sharma (India), A Varma (India)

14:00 - 14:08  Time to retreatment with botulinum toxina in upper limb spasticity management - Upper Limb International Spasticity (ULIS) iii study interim analysis
Lynne Turner-Stokes, Stephen Ashford, Jorge Jacinto, Klemens Fheodoroff, Pascal Maisonobe, Jovita Balciamiene

14:09 - 14:17  Brain-computer interfaces for post-stroke motor rehabilitation - A meta-analysis
Gangadhar Garipelli, María A. Cervera, Surjo R. Soekadar, Junichi Ushiba, José Del R. Millán, Meigen Liu, Niels Birbaumer

14:18 - 14:26  Peripheral magnetic theta burst stimulation to muscles can effectively reduce spasticity

14:27 - 14:35  Life satisfaction and return to work post stroke - Preliminary results from the SIN stroke study
Birgitta Langhammer, Johan Kvalvik Stanghelle

14:36 - 14:44  Effect of dual-task exercise in conjunction with fluoxetine & transcranial direct current stimulation on postural stability and gait in stroke patients
Bajjnath Roy, Vasantha Padma Shrivastava, Rohit Bhatia, Nand Kumar, Sanjay Wadhwa

14:45 - 14:53  Prevalence of sleep disordered breathing and its influence on the functional outcome in patients with subacute stroke
Yohei Otaka, Daisuke Matsuura, Rie Kamigaichi, Kaoru Honaga, Kunitsugu Kondo

14:54 - 15:02  Post-stroke energy consumption and cost during walking with different modalities of assistance - A systematic review
Nina Lefeber, Eva Swinnen, Nikkie Dassen, Sam De Buyzer, Eric Kerckhofs

15:03 - 15:11  Immediate effect of computerized dynamic posturography versus over ground balance training on timed up and go test in patients with post stroke hemiparesis
Kundan Kumar Singh, Geeson Arumbur David, Navita Purohit, Abhishek Srivastava

15:12 - 15:20  Abobotulinumtoxina injections in shoulder muscles - Results from a real world (ULIS-II) and a Phase 3 (AUL) study
Thierry Lejeune, Francois Constant Boyer, Svetlana Khatkova, Philippe Picaut, Pascal Maisonobe, Jovita Balciamiene
15:21 - 15:29
High sensitivity CRP - A novel prognostic indicator for functional recovery in ischemic stroke
Krishnamoorthy Kuppusamy, Bhanu Kesavamurthy, Harish Jayakumar, Sindhuja Lakshminarasimhan, Balasubramanian Samivel, Chandramouleswaran Venkatraman

14:00 - 15:29
ORAL PRESENTATION - NEUROREHABILITATION IN DEVELOPING COUNTRIES, AUTONOMIC DYSFUNCTION (BOWEL, BLADDER, ETC.) & COMMUNICATIVE DISORDERS/APHASIA
Co-Chairs: Jaideep Bansal (India), N. Upadhaya (India)

14:00 - 14:08
Indian semi-classical Kathak and Bharatnatyam movements for balance confidence and quality of life in Parkinson’s disease - Pilot RCT
Jidnyasa Koli, Suruliraj Karthikbabu, Divya Mohan

14:09 - 14:17
The use of telerehabilitation in a developing country
Intan Sabrina Mohamad, Muhammad Syazwan Mohd Yusof, Aishah Mohd Hanafiah, Noor Fatimah Mazani

14:18 - 14:26
Community based rehabilitation in children with epilepsy and associated comorbidities - An occupational therapy action research
Aishwarya Swaminathan Iyer, Nirmal Surya

14:27 - 14:35
Swot analysis of neuro-rehabilitation in SAARC countries
Taslim - Uddin, M Habibur - Rahman, Raju - Dakhal

14:36 - 14:44
Mirror therapy versus modified constrained induced movement therapy in upper extremity function among persons with hemiplegic cerebral palsy
Deepak Sharan, Joshua Samuel Rajkumar, Mariappan Nagaiah, Rajarajeshwari Balakrishnan

14:45 - 14:53
Disability identification - Functional mapping versus disability mapping
Shabnam Zuzer Rangwala, Daniel Mont

14:54 - 15:02
The role of Hyperbaric Oxygen Therapy as an adjunct for Neuro Rehabilitation in neurosurgical disorders
Vernon Velho

15:03 - 15:11
Quick fall of deglutition disorder in Lateral Medullary Syndrome
Nikhila Govathi, Arun Garg

15:12 - 15:20
Bladder rehabilitation in neurological disorders
Kannan Vangiliappan, Lakshminarasimhan R, Thamilpavai N, Sarala Govindarajan, Ilamparuthi C, Daniel Sweetson A
10th World Congress for Neurorehabilitation
7 - 10 February, 2018 | Mumbai, India

15:21 - 15:29
A new generation in aphasia therapy - Tablet-based rehabilitation of speech and language
Tobias Nef, Patric Wyss, Stephan Gerber, Sandra Perny, Corina Wyss, Prabitha Urwyler, Sinan Uslu, Nadine Schmidt, Alvin Chesham, Klemens Gutbrod, René M Müri

14:00 - 15:30
Hall F

Oral Presentation - Stroke
Co-Chairs: S. Narayan (India), A. Das (India)

14:00 - 14:08
Role of transcranial direct current stimulation in improving hand function in post-stroke hemiplegia – preliminary report
Kunjabasi Wangjam, Jugindro Ningthoujam

14:09 - 14:17
The influence of the inspiratory muscle training for stroke patients with upper limb muscle tension induced by associative reaction
Wei Xin, Zhao Hui Liu, Jin Rui Liu

14:18 - 14:26
Walking activity and its factors in free-living ambulatory people in a chronic phase after stroke – A cross sectional study
Ingrid Van De Port, Jan Willem Meijer, Michiel Punt

14:27 - 14:35
The brain symphony for post-stroke rehabilitation – A pilot randomized controlled study
Fen Wen Beh, Lydia Abdul Latif, Nasir Bin Hashim, Yang Tze Chung

14:36 - 14:44
Opportunistic oral pathogen among stroke survivors
Normaliza AB Malik, Fathilah Abdul Razak, Leonard Sw Li, Sa’Ari Mohamad Yatim, Colman Mcgrath

14:45 - 14:53
Outcome of Human Peripheral Nerve Repair Interventions: A systematic review
Sunil K Narayan, Ravikumar Chitoria, Abhina Mohanan

14:54 - 15:02
The effects of motor-points warm acupuncture on reducing triceps surae spasticity in post-stroke patients
Hongxing Wang, Caixia Su, Wentong Zhang

15:03 - 15:11
Contralaterally controlled functional electrical stimulation improves wrist dorsiflexion and upper limb function in patients with early-phase stroke
Lu Xiao, Zheng Yu, Mao Mao

15:12 - 15:20
Relief of spasticity-related pain with Botulinum Neurotoxin-a (BONT-A) in real life practice - Post-hoc analysis from a large international cohort series
Lynne Turner-Stokes, Stephen Ashford, Jorge Jacinto, Klemens Fheodoroff, Pascal Maisonobe, Jovita Balcaitiene
15:21 - 15:29  Research on effect of ITBS and 1hz RTMS on recovering upper limb function of stroke patient
Chang Jiang

15:30 - 16:15  POWAI BALLROOM 1
SIG MEETING: TELEREHABILITATION

15:30 - 16:15  MEETING ROOM 1
SIG MEETING: AUTONOMIC REHABILITATION (ANSIG)

15:30 - 16:15  MEETING ROOM 3
SIG MEETING: SPINAL CORD INJURY

15:30 - 16:15  LOTUS
SIG MEETING: COMMUNICATION

15:00 - 17:00  HALL H
PUBLIC FORUM: CEREBRAL PALSY

16:15 - 17:15  TEA / COFFEE BREAK AND POSTER VIEWING

17:15 - 18:45  HALL A
AOSNR JOINT SYMPOSIUM (DWF-II)
Co-Chairs: Nam-Jog Paik (Korea), Eiichi Saitoh (Japan), Sharan Srinivasan (India)

17:15 - 17:35  Current scenario of Neurorehabilitation at SAARC Countries:
Taslim Uddin (Bangladesh)

17:35 - 17:55  Current state of Stroke Rehabilitation in Malaysia: Lydia Abdul Latif (Malaysia)

17:55 - 18:15  Affordable Neurorehabilitation centres - From Coma to Community - A simple collaborative model: Sharan Srinivasan (India)

18:15 - 18:35  Robotic and technological use in Neurorehabilitation in Japan:
Eiichi Saitoh (Japan)

18:35 - 18:45  Q & A
17:15 - 18:45  HALL B

**SYMPOSIUM 4: NEUROPATHIC PAIN**

Co-Chairs: Wolfgang Grisold (*Austria*), Navita Purohit (*India*), Lakshmi Narasimhan (*India*)

17:15 - 17:40  Painful neuropathies: Wolfgang Grisold (*Austria*)
18:05 - 18:30  Mixed Nociceptive and Neuropathic Pain in Radiculopathy and other MSK pain-related conditions: Witsanu Kumthornthip (*Thailand*)
18:30 - 18:45  Q & A

17:15 - 18:45  HALL C

**SYMPOSIUM 5: ADVANCES IN THE TREATMENT AND RESEARCH ON TBI**

Co-Chairs: Caterina Pistarini (*Italy*), C. E. Deopujari (*India*), George Tharion (*India*)

17:15 - 17:40  Critical care management of traumatic brain injury for rehabilitation perspective: Caterina Pistarini (*Italy*)
17:40 - 18:05  Neuromodulation techniques in DOC patients after TBI - To study or to treat: Theresa Pape (*United States*)
18:05 - 18:30  Modern neurosurgical options to improve prognosis following acute traumatic brain injury: Hubertus Maximilian Mehdorn (*Germany*)
18:30 - 18:45  Q & A

17:15 - 18:45  HALL D

**SYMPOSIUM 6: ROBOTICS - PARADIGM SHIFT IN NEUROREHABILITATION**

Co-Chairs: Abhishek Srivastava (*India*), Eiichi Saitoh (*Japan*), Deepak Arjundas (*India*)

17:15 - 17:40  Experience vs Evidence based Robotic Rehabilitation: Abhishek Srivastava (*India*)
17:40 - 18:05  The past, present and future of robotic technology in lower limb recovery: Eiichi Saitoh (*Japan*)
18:05 - 18:30  The past, present and future of robotic technology in upper limb recovery: Preeti Raghavan (*United States*)
18:30 - 18:45  Q & A
17:15 - 18:45  HALL E

OUTREACH PROGRAMMES IN DEVELOPING COUNTRIES
Co-Chairs: Mayowa Owolabi (Nigeria), Gagandeep Singh (India), Henry Prakash (India)

17:15 - 17:35  Blossom Centre for Neurorehabilitation - A model centre in a developing country:
Mayowa Owolabi (Nigeria)

17:35 - 17:55  Rehabilitation of stance and gait in stroke - Guidelines adapted to developing
countries: Klaus Stephan (Germany)

17:55 - 18:15  Family led Rehabilitation for Stroke in India: Jeyaraj Pandian (India)

18:15 - 18:35  AVANT Programme: Nguyen Thi Dung (Vietnam)

18:35 - 18:45  Q & A

17:15 - 18:45  HALL F

SESSION (IFNR): MULTIDISCIPLINARY TEAM APPROACH IN
NEUROREHABILITATION IN INDIA  [7 Minutes Talk / 40 Minutes Q&A]
Moderator: Nirmal Surya (India)
Co-Chairs: MA Khan (India), Mike Barnes (UK), Alok Sharma (India)

17:15 - 17:22  Maya Sanghi (India)

17:22 - 17:29  John Solomon (India)

17:29 - 17:36  Anil Gaur (India)

17:36 - 17:43  P. S. Dantala (India)

17:43 - 17:50  Suvarna Alladi (India)

17:50 - 17:57  Sheela Chitnis (India)

17:57 - 18:04  Murali Krishnan (India)

18:04 - 18:45  Q&A

18:45 - 19:15  POWAI BALLROOM 1

SIG MEETING: CLINICAL PATHWAYS

18:45 - 19:15  MEETING ROOM 1

SIG MEETING: COMMUNITY BASED NEUROREHABILITATION
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<th>Time</th>
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<tr>
<td>18:45 - 19:15</td>
<td>MEETING ROOM 3</td>
<td><strong>SIG MEETING: DEVELOPING WORLD FORUM</strong></td>
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<td>18:45 - 19:15</td>
<td>LOTUS</td>
<td><strong>SIG MEETING: NEUROSURGERY</strong></td>
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<td><strong>SIG MEETING: COGNITIVE NEUROREHABILITATION</strong></td>
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<td>19:00 - 20:30</td>
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<td><strong>MAN SYMPOSIUM: INTAS PHARMACEUTICALS LTD</strong></td>
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<td>Co-Chairs: Manoj Gulhane (India), Rahul Kulkarni (India)</td>
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<td>19:00 - 19:30</td>
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<td>Posterior Circulation Stroke: Sudhir Kothari (India)</td>
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<td>19:30 - 20:00</td>
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<td>Cardioembolic stroke: Pawan Ojha (India)</td>
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<td>20:00 - 20:30</td>
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<td>Steps forward in Motor Rehabilitation after stroke: Gert Kwakkel (USA)</td>
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**19:30 ONWARDS  FACULTY RECEPTION - GAURI POINT**
# ISTART 2018: THURSDAY, FEBRUARY 8, 2018  
(AN INITIATION SUPPORTED BY IFNR & NEUROREHAB SUBSECTION OF IAN)

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<tr>
<th>Time</th>
<th>Event Description</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>09:00 - 09:15</td>
<td>Welcome address and introduction to ISTART: Nirmal Surya (India)</td>
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<tr>
<td>09:15 - 10:05</td>
<td><strong>SESSION 1</strong></td>
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<td>Co-Chairs: Deepak Arjundas (India), M. M. Mehndiratta (India)</td>
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<td>09:15 - 09:45</td>
<td>Why assess PSS Early? - Challenges and opportunities - Early identification of</td>
<td>Gerard E. Francisco (United States)</td>
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<td>spasticity, starting post-stroke rehabilitation, six months post-stroke, one year</td>
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<td>post-development of spasticity:</td>
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<td>09:45 - 10:05 Criticality of goal setting in management of PSS:</td>
<td>Abhishek Srivastava (India)</td>
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<td>10:05 - 10:30</td>
<td><strong>SESSION 2</strong></td>
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<td>Co-Chairs: B. D. Athani (India), Rajender Sharma (India)</td>
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<td>10:05 - 10:30</td>
<td>Optimising patient outcomes - Key principles in muscle localization:</td>
<td>Lalith Satkunam (United States)</td>
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<td>10:30 - 10:45</td>
<td><strong>TEA BREAK</strong></td>
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<td>10:45 - 11:15</td>
<td><strong>SESSION 3</strong></td>
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<td>Co-Chairs: Grp Capt. Salil Gupta (India), Jimmy Lalkaka (India)</td>
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<td>10:45 - 11:00</td>
<td>Role of multi-disciplinary Treatment in PSS - Neurology perspective:</td>
<td>K. P. S. Nair (United Kingdom)</td>
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<td>11:00 - 11:15</td>
<td>Role of multi-disciplinary Treatment in PSS - PMR perspective:</td>
<td>Sanjay Chatterjee (India)</td>
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<td>11:15 - 11:45</td>
<td><strong>SESSION 4: PANEL DISCUSSION</strong></td>
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<td>Co-Chairs: Kuljeet Singh Anand (India), Arun Garg (India)</td>
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<td>Moderator: Nirmal Surya (India)</td>
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<td>Panelists: Gerard E. Francisco (United States), Lalit Satkunam (United States),</td>
<td>S. P. Gorthi (India)</td>
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<td>S. P. Gorthi (India)</td>
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<td>'Mind the gaps' - Integrated care of the post-stroke spasticity patient</td>
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<td>• Where do we go from here?</td>
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<td>• Predictors and early signs of spasticity</td>
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<td>• Early interventions to improve patient outcomes</td>
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<td>• Combination treatments to further enhance</td>
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11:45 - 12:05  **SESSION 5**
Co-Chairs: Col. R. K. Anadure VSM (India), Mohammed Sakel (United Kingdom)
11:45 - 12:05  Optimising results of Post Stroke Spasticity including Post Stroke Spasticity treatment: Vinay Goyal (India)

12:05 - 12:50  **SESSION 6**
Co-Chairs: K. P. S. Nair (United Kingdom), S. P. Gorghi (India)
12:05 - 12:20  Video Case Presentation - Lower Limb Spasticity: Ravi Annadurai (India)
12:20 - 12:35  Video Case Presentation - Upper Limb Spasticity: Praveen Gupta (India)
12:35 - 12:50  Interesting Case Presentation in Post Stroke Spasticity: Anil Venkitachalam (India)

12:50 - 13:20  **SESSION 7**
Co-Chairs: Col. R. K. Anadure VSM (India), Mohammed Sakel (United Kingdom)
12:50 - 13:20  Upper Limb Spasticity: Various Indications, muscles involved and optimum dosage of Botulinum Toxin Type A: Anupam Gupta (India)

13:20 - 14:00  **LUNCH BREAK**

14:00 - 15:00  **SESSION 8**
Co-Chairs: Rajinder Dhamija (India), Lalith Satkunam (Canada)
14:00 - 14:20  Lower Limb Spasticity: Various Indications, muscles involved and optimum dosage of Botulinum Toxin Type A: Mohammed Sakeel (United Kingdom)
14:20 - 14:40  Spasticity in transition case: Atul Bhaskar (India)
14:40 - 15:00  Ultra Sound Guided Botox Live Injection Demonstration: Taral Nagda (India)
15:00 - 15:15  **TEA BREAK**

15:15 - 17:00  **SESSION 9**
Co-Chairs: Rahul Kulkarni (India), Anupam Gupta (India)
15:15 - 17:00  Lower limb patient case discussion and hands-on workshop: Vinay Goyal (India), Mohammed Sakeel (United Kingdom), Abhishek Srivastava (India)

17:00 - 18:45  **SESSION 10**
Co-Chairs: Jimmy Lalkaka (India), Vinay Goyal (India)
17:00 - 18:45  Upper limb patient case discussion and hands-on workshop: Meenakshi Sundaram (India), Lalit Satkunam (United States), Ravi Yadav (India)
18:45 - 19:00  Valedictory and Vote of Thanks: Nirmal Surya (India)

19:00 ONWARDS  **DINNER**
SCIENTIFIC PROGRAMME
FRIDAY, FEBRUARY 9, 2018

07:15 - 08:15  POWAI BALLROOM 1

MEET THE PROF 6: WHEN TO TREAT SPASTICITY AND HOW
07:15 - 08:15  Spasticity - Controversial topics in Chemodenervation, Neurolysis and Intrathecal Therapies: Gerard Francisco (United States)

07:15 - 08:15  POWAI BALLROOM 2

MEET THE PROF 7: PROGNOSIS OF STROKE
07:15 - 08:15  Understanding functional recovery after stroke: Gert Kwakkel (Netherlands)

07:15 - 08:15  MEETING ROOM 1

MEET THE PROF 8: NEGLECT REHABILITATION
07:15 - 08:15  Neglect rehabilitation: Stephanie Clarke (Switzerland)

07:15 - 08:15  MEETING ROOM 3

MEET THE PROF 9: UPDATE ON PHARMACOLOGY IN NEUROREHABILITATION
07:15 - 08:15  Update on Pharmacology in Neurorehabilitation: Volker Homberg (Germany)

07:15 - 08:15  HALL E

MEET THE PROF 10
07:15 - 08:15  Addressing three common syndromes in NeuroRehabilitation - Spastic Paresis, Parkinsonism and Tremors: Jean-Michel Gracies (France)

07:15 - 08:15  HALL F

BREAKFAST SESSION
Co-Chairs: Ajit Verma (India), U. N. Nair (India)
07:15 - 07:45  FES on the road of personalized intervention: Gad Alon (United States)
07:45 - 08:15  Robotic in Neurorehabilitation: Mohamed Sakel (United Kingdom)
## BREAKFAST SESSION (IFNR SESSION)*
Co-Chairs: Michael Thaut (Canada), S. Merchant (India)
*Free for IFNR Members. Pre-registration is mandatory.

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>07:15</td>
<td>Introduction: J. S. Kathpal (India)</td>
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<td>07:20</td>
<td>Music therapy in Neurology: J. S. Kathpal (India)</td>
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<td>07:40</td>
<td>Dance therapy in Neurology: Suchitra Harmalkar (India)</td>
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<tr>
<td>08:00</td>
<td>Some practical &amp; Clinical aspects: Suchitra Harmalkar (India),</td>
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<td>Shashwati Harmalkar (India)</td>
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<td>08:07</td>
<td>Q &amp; A</td>
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## PLENARY SESSION

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>08:30</td>
<td>Presidential Lecture: Neurorehabilitation - Challenges ahead:</td>
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<td>Leonard S W Li (Hong Kong)</td>
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## TEA / COFFEE BREAK AND POSTER VIEWING

## PUBLIC FORUM - DEMENTIA

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>11:00</td>
<td>Research on standardized outcome assessments and rehabilitation regimen of traditional Chinese medicine for the Post-Stroke with Cognitive Impairment (PSCI): Lidian Chen (China)</td>
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<td>11:20</td>
<td>Using the dynamic mind within brain for remodulation: Ashok Panagariya (India)</td>
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<td>11:40</td>
<td>Yoga and meditation in stroke: Pratap C. Sanchetee (India)</td>
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<tr>
<td>12:00</td>
<td>Medical astrology and its role in neurological recovery: Shrikant Raje (India)</td>
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<tr>
<td>12:20</td>
<td>Q &amp; A</td>
</tr>
</tbody>
</table>
11:00 - 12:30  HALL B

SYMPHOSIUM 7: CRITICAL ILLNESS - NEUROMYOPATHY
Co-Chairs: Dana Boering (Germany), Satish Khadilkar (India), Sarosh M. Katrak (India)

11:00 - 11:25  Nomenclature, time course and clinical features: Dana Boering (Germany)

11:25 - 11:50  Critical illness Myopathy and Ventilator Induced Diaphragm Dysfunction in ICU patients - Underlying mechanisms and intervention strategies: L. Larsson (Sweden)

11:50 - 12:25  Myopathy in ICU: Satish Khadilkar (India)

12:25 - 12:30  Q & A

11:00 - 12:30  HALL C

SYMPHOSIUM 8: COGNITIVE NEUROLOGY & NEUROPSYCHOLOGY
Co-Chairs: Barbara Wilson (United Kingdom), Jamuna Ranjan (India), Ashima Nehra (India)

11:00 - 11:25  Recent developments in cognitive rehabilitation: Barbara Wilson (United Kingdom)

11:25 - 11:50  Family centred cognitive rehabilitation - A perspective from countries with emerging rehab services: Urvashi Shah (India)

11:50 - 12:15  Rehabilitation of executive deficits: Jill Winegardner (United Kingdom)

12:15 - 12:30  Q & A

11:00 - 12:30  HALL D

SYMPHOSIUM 9: SPASTICITY
Co-Chairs: Gerard Francisco (United States), Vinay Goyal (India), Lalith Satkunam (Canada)

11:00 - 11:25  Spasticity - Controversial topics in Chemodenervation, Neurolysis and Intrathecal therapies: Gerard Francisco (United States)

11:25 - 11:50  A new paradigm for understanding spasticity: Preeti Raghavan (United States)

11:50 - 12:15  Spasticity and motor recovery after stroke: Sheng Li (United States)

12:15 - 12:30  Q & A
11:00 - 12:30  HALL E

WFNR-ISPRM DISASTER REHABILITATION

Co-Chairs: Jianan Li (China), Taslim Uddin (Bangladesh), Rajendra Sharma (India)

11:00 - 11:20  Neurorehabilitation Disaster Management - Chinese perspective: Jianan Li (China)

11:20 - 11:40  Rapid implementation of telemedicine after earthquake disaster 2015 at Spinal Injury Rehabilitation Centre, Nepal: Raju Dhakal (Nepal)

11:40 - 12:00  Disaster rehabilitation in Indonesia: Angela B. M. Tulaar (Indonesia)

12:00 - 12:20  Updates in WHO Emergency Medical Teams (EMT) initiative - The way forward: Bhasker Amatya (Australia)

12:20 - 12:30  Q & A

11:00 - 12:30  HALL F

IAN NEUROREHAB SUBSECTION SYMPOSIUM

Co-Chairs: Ajit Sovani (India), Arabinda Mukherjee (India), U. Meenakshisundaram (India)

11:00 - 11:15  Sensory modulation in stroke rehabilitation: A. V. Srinivasan (India)

11:15 - 11:30  Rehabilitating people with epilepsy - Barriers, challenges and opportunities: Gagandeep Singh (India)

11:30 - 11:45  Profile of LGMDs in India: Satish Khadilkar (India)

11:45 - 12:00  Disability and rehabilitation in people with epilepsy: Sanjeev Thomas (India)

12:00 - 12:15  Newer gadgets in neurorehabilitation: Lakshmi Narasimhan (India)

12:15 - 12:30  Q & A

12:30 - 14:00  LUNCH

12:30 - 14:00  HALL A

HOCOMA SESSION:
HOW TO MAKE INTENSIVE THERAPY EFFECTIVE AND AFFORDABLE

Mike Fuhrmann (Switzerland)
Tamsin Reed (United Kingdom)
Abhishek Srivastava (India)
### Hall B

**12:30 - 14:00**

**SPONSORED SYMPOSIA - LA RENON - (SYMPOSIUM ON PAIN)**

- Therapeutic utility of Palmitoylethanolamide in the treatment of Neuropathic Pain associated with various pathological conditions: Sudhir Kumar (India)

### Hall C

**12:30 - 14:00**

**SPONSORED SYMPOSIA: JOINT SYMPOSIUM ON DOC OF WFNR WITH IFNR AND INSTITUTO SANTÁNNA CROTONE IN MEMORY OF PROF. GIULIANO DOLCE**

Co-Chairs: Nirmal Surya (India), Paolo Tonin (Italy)

- Prof. Giuliano Dolce and the meaning of this survey: Caterina Pistarini (Italy)
- Indian situation for the development of system of care for DOC patients: Mary Ann Mukaden
- Current results of the survey: Matilde Leonardi (Italy)

### Hall D

**12:30 - 14:00**

**SPONSORED SYMPOSIA - STROKE ASTROLOGY (BI)**

Co-Chairs: Shirish M. Hastak (India), Ashok Uppal (India)

- **12:30 - 12:35**: Opening remarks: Shirish M. Hastak (India)
- **12:35 - 12:55**: Stroke astrology Class I: Subhash Kaul (India)
- **12:55 - 13:15**: Stroke astrology Class II: Shirish M. Hastak (India)
- **13:15 - 13:35**: Stroke astrology Class III: Dheeraj Khurana (India)
- **13:35 - 13:55**: Q & A
- **13:55 - 14:00**: Closing Remarks

### Hall H

**12:30 - 14:30**

**PUBLIC FORUM - STROKE**
ORAL PRESENTATION - STROKE
Co-Chairs: Fali Poncha (India), Neeta Mehta (India)

14:00 - 14:08 Functional Electrical Stimulation (FES) - The science is strong, the clinical practice not yet-a review of evidence
Gad Alon

14:09 - 14:17 The influence of type of CVA on planning and outcomes in a post-acute community rehabilitation setting
Janet Wagland, Elly Williams, Angelita Martini

14:18 - 14:26 Abobotulinumtoxina injections in patients with upper and lower limb spastic paresis and impaired function following stroke or traumatic brain injury
Jean-Michel Gracies, Peter Mcallister, Svetlana Khatkova, Steven Faux, Philippe Picaut, Jovita Balcaitiene, Romain Raymond

14:27 - 14:35 A pilot randomized controlled trial of constraint-induced movement therapy combined with transcranial direct current stimulation and peripheral neuromuscular stimulation
Kazuhisa Domen, Takashi Takebayashi, Kayoko Takahashi, Misa Moriwaki

14:36 - 14:44 Botulinum Toxin A in upper limb spasticity management - Baseline data from the Upper Limb International Spasticity (ULIS)-III study
Lynne Turner-Stokes, Stephen Ashford, Jorge. Jacinto, Klemens Fheodoroff, Allison Brashear, Pascal Maisonobe, Jovita Balcaitiene

ORAL PRESENTATION - OTHER DISEASES
Co-Chairs: Apoorva Pauranik (India), Ashok Sirsat (India)

14:00 - 14:08 The Adult Spasticity International Registry (ASPIRE) Study - 1-year results
Gerard E Francisco, Daniel S Bandari, Ganesh Bavikatte, Wolfgang H Jost, Aubrey Manack Adams, Joan Largent, Alberto Esquenazi

14:09 - 14:17 Microvascular decompression - Trigeminal neuralgia
Keki E Turel

14:18 - 14:26 Disability assessment schedule 2 can reliably quantify disability in epilepsy
Sanjeev V. Thomas

14:27 - 14:35 Yoga and epilepsy - Methodological issues and review of existing studies
Nandan Balkrishna Yardi, Nandan Balkrishna Yardi, Tobias Lundgren, Jo Ann Dahl
14:36 - 14:44  Effectiveness of occupational therapy focussing on upper extremity training in a temperature controlled pool versus land 
Deepak Sharan, Joshua Samuel Rajkumar, Mariappan Nagaiah, Rajarajeshwari Balakrishnan

14:00 - 14:45  HALL C

ORAL PRESENTATION - COGNITIVE DISORDERS/NEUROPSYCHOLOGY
Co-Chairs: Sonal Vijay Chitnis (India), Ravindra Somani (India)

14:00 - 14:08  Multidisciplinary team approach in primary headache disorders 
Debashish Chowdhury, Ankur Gupta, Ashish Kumar Duggal

14:09 - 14:17  An application for smart terminal can detect finger dexterity of people with cognitive disorder 
Izumi Kondo, Shota Suzumura, Aiko Osawa, Eiko Takano, Kenji Kato, Yuko Sano, Akihiko Kandori, Tomihiko Mizuguchi, Ying Yin

14:18 - 14:26  The fifteen minute assessment of cognition over the telephone (fact) - A telephone interview to detect and monitor dementia 
Jwala Narayanan, Mino Susan George, Ratnavalli Ellajosyula, Siddharth Ramanan, Nidhi Dev

14:27 - 14:35  Sub-sensory galvanic vestibular stimulation can provide long-term relief from hemi-spatial neglect 
Mohamed Sakel, Emma Denby, Tracey Higgins, David Wilkinsons

14:36 - 14:44  Connecting to a locked-in mind - Communication with an unresponsive patient using a brain-computer interface 
Gunther Krausz, Christoph Guger, Brendan Z. Allison, Joanna Cakala, Krysztof Malej

14:00 - 14:45  HALL D

ORAL PRESENTATION - STROKE
Co-Chairs: Shirish M. Hastak (India), Roshan Vania (India)

14:00 - 14:08  Clinically tailored portable virtual reality based motor rehabilitation system for neurological patients - A feasibility and user perspectives study 
Andrea Serino, Cynthia Marchand, Aurélien Da Campo, Odile Chevalley, Anastasia Ford, Alexandra Baumann, Marta Balana, Cyntia Duc, Gangadhar Garipelli, Daniel Perez-Marcos, Frédéric Condolo, Roberta Fiore, Karen Kerman, Tej Tadi, Salim Ghoussayni, Stella Seeberg, Maria Vinti

14:09 - 14:17  Real-life dosing regimens for three different botulinum toxin a formulations in post-stroke spasticity management - Experience of a reference center 
Jorge Jacinto, Tomas Stuve De Barros, Jorge Fortunato, Melissa Gorayev
FRIDAY, FEBRUARY 9, 2018

14:18 - 14:26  Is physiotherapy delivered during stroke rehabilitation in India evidence based? - An observational study
V Prakash, Aditi Gandhi, K Hariohm

14:27 - 14:35  Activity levels from multiple accelerometers during inpatient rehabilitation after stroke
Sofi Anna Andersson, Anna Danielsson, Fredrik Ohlsson, Jan Wipenmyr, Margit Alt Murphy

14:36 - 14:44  Factors related to long term motor, behavioural and scholastic outcome in children with acute disseminated encephalomyelitis
Mary Iype, Anish TS, Puthuvathra Abdul Mohammed Kunju, Geetha Saradakutty, Mini Sreedharan, Shahanan M Ahamed

14:00 - 14:45  HALL E
ORAL PRESENTATION - SPINAL CORD INJURY
Co-Chairs: V S Gogia (India), Vengamma Bhuma (India)

14:00 - 14:08  Effects of transcranial magnetic stimulation on upper limb dysfunction and spasticity in spinal cord injury
Krishnan Padmakumari Sivaraman Nair, Ali Gharooni, Ram Pankajam Hariharan, Debra Hawkins, Ian Scivill

14:09 - 14:17  Transcranial direct current stimulation - An emerging therapeutic intervention for motor recovery in spinal cord injury
Vijaya K Kumar, Srikanth Karnad

14:18 - 14:26  Value of group holidays for clients with Catastrophic injury
Margaretha Patricia Sargent

14:27 - 14:35  The effects of arm-cycle training on trunk muscle function and seated balance control in individuals with spinal cord injury
Alison MM Williams, Raza N Malik, Amanda E Chisholm, Andrea Lynn, J Megan Brousseau, Tania Lam

14:36 - 14:44  Ambulation augmentation in low level paraplegics using resistance bands - A pilot randomized control trial
Gaurav Gomez, Henry Prakash
14:00 - 14:45  HALL F

ORAL PRESENTATION - PARKINSON AND OTHER NEURODEGENERATIVE DISEASES / PERIPHERAL NEUROPATHY AND NEUROMUSCULAR DISEASE

Co-Chairs: Charulata Sankhla (India), Vinay Chauhan (India)

14:00 - 14:08
Reintegration in the workplace of people with chronic diseases - The EU pathways project and the key role of rehabilitation

14:09 - 14:17
Ambulatory accelerometry as aid for dose titration with levodopa-carbidopa microtablets in parkinson’s disease - An observational study
Dongni Johansson, Dag Nyholm, Jack Spira, Ilias Thomas, Filip Bergquist

14:18 - 14:26
Development of health related quality of life questionnaire for People with Parkinson’s disease (PWP) in India
Meruna Bose, Bharati Bellare, Lata D Parmar

14:27 - 14:35
How does the placement of a single sensor impact on activity recognition in older adults?
Fatemeh Tahavori, Emma Stack, Veena Agarwal, Malcolm Burnett, Amir Hoseinatabatabaei, William Harwin, Ann Ashburn

14:36 - 14:44
Adult brachial plexus injuries - Is the picture gloomy?
Ketan Desai

14:45 - 15:30  POWAI BALLROOM 1

SIG MEETING: ETHICS

14:45 - 15:30  MEETING ROOM 1

SIG MEETING: NEUROPSYCHOLOGICAL REHABILITATION

14:45 - 15:30  MEETING ROOM 3

SIG MEETING: SPASTICITY

14:45 - 15:30  LOTUS

SIG MEETING: NEUROREHABILITATION SERVICE DEVELOPMENT
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>14:45 - 15:30</td>
<td>SIG MEETING: MILD AND SEVERE BRAIN INJURY</td>
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<tr>
<td>15:30 - 16:30</td>
<td>BREAK AND POSTER VIEWING</td>
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<td>15:00 - 17:00</td>
<td>PUBLIC FORUM: POLICY &amp; LEGAL ASPECT OF DISABILITY</td>
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<td>16:30 - 18:00</td>
<td>WHO SYMPOSIUM (DWF-II)</td>
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<tr>
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<td>Co-Chairs: Alarcos Cieza (United Kingdom), Matilde Leonardi (Italy),</td>
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<td>Anil Gaur (India)</td>
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<td>16:30 - 16:45</td>
<td>Assistive technology in neuro-rehab - Clinical applications:</td>
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<td>Rajendra Prasad (India)</td>
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<td>16:45 - 17:00</td>
<td>Improving access to AT - Time is now: Patanjali Nayar (India)</td>
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<td>17:00 - 17:15</td>
<td>How to bridge the gap between Assistive Technology needs and its poor</td>
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<td>availability - Thoughts about global challenges and opportunities:</td>
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<td>Luc de witte (UK)</td>
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<td>17:15 - 17:30</td>
<td>Research on AT in India - Affordable solutions: Piyush Chanana (India)</td>
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<td>17:30 - 18:00</td>
<td>Q &amp; A</td>
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<td>16:30 - 18:00</td>
<td>SYMPOSIUM 10: NEUROREHABILITATION, TRANSITION AND AGEING</td>
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<td>IN CEREBRAL PALSY</td>
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<td>Co-Chairs: Martin Staudt (Germany), Ashok Johari (India), K. Wangjam (India)</td>
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<td>16:30 - 17:00</td>
<td>Brain in imaging in cerebral palsy - Consequences for rehabilitation:</td>
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<td>Martin Staudt (Germany)</td>
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<td>17:00 - 17:30</td>
<td>Transitioning and ageing to adulthood - A therapist’s perspective:</td>
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<td>Asha Milind Chitnis (India)</td>
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<td>17:30 - 18:00</td>
<td>Transitioning and ageing to adulthood - A surgeon’s perspective:</td>
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<td>Ashok Johari (India)</td>
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16:30 - 18:00  HALL C

SYMPOSIUM 11:
BEHAVIOURAL DISTURBANCES AFTER ACQUIRED BRAIN INJURY
Co-Chairs: Stephanie Clarke (Switzerland), Deepu Banerjee (India), Urvashi Shah (India)

16:30 - 17:00  Cognitive Recovery from postanoxic coma: Stephanie Clarke (Switzerland)
17:00 - 17:30  Body representation disorders after brain damage: Gilles Rode (France)
17:30 - 18:00  Post-Traumatic Korsakoff Syndrome: Armin Schnider (Switzerland)

16:30 - 18:00  HALL D

SYMPOSIUM 12: MOTOR REHABILITATION
Co-Chairs: Volker Homberg (Germany), Kurian Zachariah (India), Dheeraj Khurana (India)

16:30 - 17:00  Ways to impairment orientated neurorehabilitation: Volker Homberg (Germany)
17:00 - 17:30  Brain computer interfaces as a tool for impairment reduction after stroke: Meigen Liu (Japan)
17:30 - 18:00  Predicting treatment response in the motor system after stroke: Steven Cramer (United States)

16:30 - 18:00  HALL E

IISART SESSION: ADVANCED TECHNOLOGIES IN NEUROREHABILITATION - WHAT A HEALTHCARE PROFESSIONAL NEEDS TO KNOW
Chair: Ann Marie Hughes (United Kingdom)

16:30 - 17:00  Advanced technologies in Neurorehabilitation – What a researcher needs to know: Frans Steenbrink (Germany)
17:00 - 17:30  Advanced technologies in Neurorehabilitation – What a therapist needs to know: Tamsin Reed (UK)
17:30 - 18:00  Advanced technologies in Neurorehabilitation – What a clinic needs to know: Clemens Müller (Netherlands)
FROM NEUROTECHNOLOGIES TO COMMUNITY CARE

FRIDAY, FEBRUARY 9, 2018

16:30 - 18:00  HALL F

**SUPPORTING ORGANIZATION SYMPOSIUM (IFNR-IV)**
Co-Chairs: M. Arasu (India), Tarun Lala (India), Gayatri Hattangadi (India)

16:30 - 16:45  Advanced technologies in Neurorehabilitation - IAPMR: S. L. Yadav (India)
16:45 - 17:00  Fostering community integration of the elderly - Occupational therapy perspective - AIOTA: Shashi Oberai (India)
17:00 - 17:15  Neuro fitness - Brain exercises, the new dimension in wellness - IAP: Sabah Thaver (India)
17:15 - 17:30  Long term speech - language - swallowing rehabilitation - SLPs perspective - ISHA: Zainab Nagree (India)
17:30 - 17:45  Clinico-technology confluence - A future vision of neuropsychology - IACP: Ashima Nehra (India)
17:45 - 18:00  Q & A

18:00 - 19:00  POWAI BALLROOM 1

**SIG MEETING: PAEDIATRIC REHABILITATION**

18:00 - 19:00  MEETING ROOM 1

**SIG MEETING: CLINICAL TRIALS**

18:00 - 19:00  MEETING ROOM 3

**SIG MEETING: NEUROLOGIC MUSIC THERAPY**

19:00 - 20:00  HALL D

**GENERAL ASSEMBLY**

20:00 ONWARDS  BANQUET (BOLLYWOOD NIGHT)
The Bandra–Worli Sea Link (BWSL) is a cable-stayed bridge with pre-stressed concrete-steel viaducts on either side that links Bandra in the Western Suburbs of Mumbai with Worli in South Mumbai. BWSL was designed as the first cable-stayed bridge to be constructed in open seas in India. The bridge is a part of the proposed Western Freeway that will link the Western Suburbs to Nariman Point in Mumbai’s main business district. The sea-link reduces travel time between Bandra and Worli during peak hours from 60–90 minutes to 20–30 minutes.
SCIENTIFIC PROGRAMME
SATURDAY, FEBRUARY 10, 2018

07:15 - 08:15  POWAI BALLROOM 1

MEET THE PROF 12: WHEN TO START REHAB AFTER STROKE
07:15 - 08:15  When to start rehab after stroke: Julie Bernhardt (Australia)

07:15 - 08:15  POWAI BALLROOM 2

MEET THE PROF 13:
WHAT IS NEUROLOGICAL MUSIC THERAPY GOOD FOR
07:15 - 08:15  What is neurological music therapy good for: Michael Thaut (Canada)

07:15 - 08:15  MEETING ROOM 1

MEET THE PROF 14: HOW TO MAKE A PROGNOSIS FOR RECOVERY POTENTIAL AFTER STROKE
07:15 - 08:15  How to make a prognosis for recovery potential after stroke: Gert Kwakkel (Netherlands)

07:15 - 08:15  MEETING ROOM 3

MEET THE PROF 15: HINTS FOR YOUNG RESEARCHERS
07:15 - 08:15  Making an impact on neurorehabilitation as a basic scientist - It can promote your career more than you realize: Mickey Selzer (United States)

07:15 - 08:15  HALL E

MEET THE PROF 16:
UNMET NEEDS IN NEUROREHABILITATION EDUCATION
07:15 - 08:15  Unmet Needs in Neurorehabilitation Education: Giorgio Sandrini (Italy)
07:15 - 08:15  HALL F

BREAKFAST SESSION
Co-Chairs: M. Arasu (India), R. S. Haldar (India)

07:15 - 07:45  Role of advanced imaging in diagnosis and treating nerve related pain: Vinil Nilesh Shah (United States)
07:45 - 08:15  Phenol Block - Low cost spasticity management: S. L. Yadav (India)

07:15 - 08:15  HALL H

BREAKFAST SESSION: NEONATAL REHABILITATION
Co-Chairs: Taral Nagda (India), Sameer Dalvai (India)

07:15 - 07:20  Introduction
07:20 - 07:30  Sensory systems and their impact on Babies in NICU: Snehal Deshpande (India)
07:30 - 07:40  THE NICU environment and the baby: Samir Shaikh (India)
07:40 - 07:50  Why early intervention: Snehal Deshpande (India)
07:50 - 08:00  Role of neonatologist in the NICU: Samir Shaikh (India)
08:00 - 08:10  Family based Early intervention: Snehal Deshpande (India)
08:10 - 08:15  Q & A

08:30 - 09:30  HALL A-C

PLENARY SESSION

08:30 - 09:30  Anticorrelated processes in neurobiology - Possible consequences for NR strategies: Dafin Muresanu (Romania)

09:30 - 11:00  BREAK AND POSTER VIEWING

10:00 - 12:00  HALL H

PUBLIC FORUM - MULTIPLE SCLEROSIS
LOW COST REHABILITATION (DWF-III)

Co-Chairs: Mike Barnes (UK), Volker Homberg (Germany)

11:00 - 11:15 Overview of low cost rehabilitation in Developing Countries: Nirmal Surya (India)
11:15 - 11:30 Virtual reality as a model of low cost rehabilitation: Jorge Hernandez Franco (Mexico)
11:30 - 11:45 Low cost model of rehabilitation in Africa: Mayowa Owolabi (Nigeria)
11:45 - 12:00 Wheelchair and Assistive Device Considerations for remote settings promoting low cost rehabilitation: Reynaldo Reyes Rey Matias (Philippines)
12:00 - 12:15 Low cost model of rehabilitation in Egypt and Arab countries: Amina Mohammad Awad (Egypt)
12:15 - 12:30 Q & A

SYMPOSIA 13: OVERVIEW OF CLINICAL TRIALS

Co-Chairs: Julie Bernhardt (Australia), Anupam Gupta (India), M. V. Padma (India)

ATTEND trial of family-led rehabilitation: Jeyaraj Pandian (India)
The SISTERS trial - Recruitment challenges in neurorehabilitation trials: Leopold Saltuari (Austria)
The CIVIC trial of rehabilitation after spinal cord injury: Lisa Harvey (New Zealand)
AVERT-DOSE - The final frontier for early rehabilitation post stroke?: Julie Bernhardt (Australia)

SYMPOSIUM 14: PROGNOSIS OF STROKE

Co-Chairs: Gert Kwakkel (Netherlands), F Poncha (India), Rakesh Singh (India)

11:00 - 11:30 Understanding dynamics of functional recovery after stroke: Gert Kwakkel (Netherlands)
11:30 - 12:00 Improving stroke outcomes - Role of drugs, devices and robotics: Madakasira Vasantha Padma (India)
12:00 - 12:30 Prognosis of stroke: Nick Ward (United Kingdom)
11:00 - 12:30  HALL D

**SYMPOSIA 15: NEUROSURGERY**

Co-Chairs: Hubertus Maximilian Mehdorn (Germany), Deepak Palande (India), V Velho (India)

11:00 - 11:30  The role of electrical modulation/stimulation to restore walking in SCI - From research to reality: Humberto Antonio Cerrel-Bazo (Italy)

11:30 - 12:00  Neurorehabilitation through Neuromodulation: Paresh Doshi (India)

12:00 - 12:30  Neurorehabilitation of Cranial Nerve Disorders - A neurosurgical perspective: Maximilian Mehdorn (Germany)

11:00 - 12:30  HALL E

**SSNN FROM NEUROBIOLOGY TO EBM CONCEPTS IN NEUROREHAB**

Co-Chairs: Dan Muresanu (Romania), Volker Homberg (Germany)

From neurobiology to EBM concepts in neurorehabilitation: Dan Muresanu (Romania)

New vistas for biometry in neurorehabilitation research: Johannes Vester

Importance of HRQOL assessments in neurorehabilitation: Nicole V. Steinbüchel

Multidimensional agents - A new avenue for pharmacology in neurorehabilitation: Alla Guekht

11:00 - 12:30  HALL F

**SUPPORTING ORGANIZATION SYMPOSIUM (IFNR-V)**

Co-Chairs: Ashok Shrisat (India), D. Banerjee (India)

11:00 - 11:15  Overview of stroke in India: Ashok Uppal (India)

11:15 - 11:30  Living with a broken brain: Subhash Kaul (India)

11:30 - 11:45  Spirituality and Neuroscience: R. C. Mishra (India)

11:45 - 12:00  Heterogeneity in neurologic education and care in Asian and Oceanian region: Man Mohan Mehdiratta (India)

12:00 - 12:15  Head Injury - Ways to conquer head injuries in India: Suresh Sankhla (India)

12:30 - 14:00  LUNCH
10th World Congress for NeuroRehabilitation
SATURDAY, FEBRUARY 10, 2018
7 - 10 February, 2018 | Mumbai, India

12:30 - 14:00  HALL A

COCHRANE WORKSHOP

Co-Chairs: William Levack (New Zealand), Thomas Platz (Germany)

12:30 - 12:50  Cochrane Rehabilitation Field - Goals, structure, and tasks:
William Levack (New Zealand)

12:50 - 13:10  What makes Cochrane SR reviews so special? An introduction to Cochrane methods
facilitates understanding and reading of Cochrane SR: Thomas Platz (Germany)

13:10 - 13:25  How to conduct a systematic review with evidence from qualitative research:
William Levack (New Zealand)

13:25 - 13:40  Recent Cochrane evidence for neurorehabilitation: Thomas Platz (Germany)

12:30 - 14:00  HALL D

SIG CHAIR MEETING

12:30 - 14:30  HALL H

PUBLIC FORUM: EPILEPSY

14:00 - 14:44  HALL A

ORAL PRESENTATION - STROKE

Co-Chairs: Anand Diwan (India), Ashok Uppal (India)

14:00 - 14:08  Continuous improvement in composite active range of motion across repeated
injections with Abobotulinumtoxina (Dysport®) for upper and lower limb spasticity
Jean-Michel Gracies, Pascal Maisonobe, Romain Raymond, Jovita Balcaitiene,
Nicolas Bayle

14:09 - 14:17  Effect of simultaneous upper and lower limb Abobotulinumtoxina injections and
guided self-rehabilitation contracts in Spastic Hemiparesis - Engage study methodology
Jean-Michel Gracies, Gerard E Francisco, Robert Jech, Francois Constant Boyer,
Pascal Maisonne, Jovita Balcaitiene

14:18 - 14:26  Relationship Neurophysiological and functional effects of constraint induced
movement therapy - A systematic review and meta-analysis
Auwal Abdullahi

14:27 - 14:35  Kinematic variables quantifying upper limb motor function after stroke in a
virtual environment
Netha Hussain, Margit Alt Murphy, Katharina Stibrant Sunnerhagen
FROM NEUROTECHNOLOGIES TO COMMUNITY CARE

14:36 - 14:44  Role of RTMS in recovery of Acute Ischemic Stroke - A clinical and biomarker study with estimation of serum growth factors
Hina Sharma, Ashu Bhasin, Nand Kumar, Rohit Bhatia, Rajeshwari Moganty, Rahul Sharma, Vishnu Sreenivas, Vasantha Padma Srivastava

14:00 - 14:44  HALL B

ORAL PRESENTATION - MOTOR CONTROL
Co-Chairs: Dhaval Shukla (India), K. Bhattacharya (India)

14:00 - 14:08  Role of Botulinum toxin in the management of upper esophageal sphincter spasm in patients with neurogenic dysphagia - A case series
Abhishek Srivastav, Navita Purohit, Sanjiv Badhwar, Ankita Bhutada

14:09 - 14:17  Effectiveness of tendon transfers in upper extremity in the management of spastic hemiplegia - A prospective surgical study
Anand Vinay Varma, B.D Athani

14:18 - 14:26  Rehabilitation of spinal cord injury patients - An armed forces perspective
Vikas Maheshwari, Maneet Gill, Aishik Mukherjee

14:27 - 14:35  Challenges for Neuro-Rehabilitation in India: Premananand S. Ramani

14:36 - 14:44  Does thinking with the body is effective for cognitive training? A randomized clinical trial ‘thinking in motion’ study
Maayan Agmon, Shiri Embon-Magal

14:00 - 14:44  HALL C

ORAL PRESENTATION - OTHER DISEASES
Co-Chairs: Sunil Gajre (India), Amitabh Varma (India)

14:00 - 14:08  Restoring ‘body image’ in chronic pain - An innovative application of virtual reality
Elise Houdayer, Federica Alemanno, Daniele Emedoli, Matteo Locatelli, Sandro Iannaccone

14:09 - 14:17  ‘Reboot online’ - A randomised controlled trial demonstrating that an internet-delivered multi-disciplinary pain management program is effective in chronic pain
Steven G Faux, Tania Gardner, Regina Schultz, Jessica Smith, Jill M Newby, Christine T Shiner, Gavin Andrews

14:18 - 14:26  The effect of Mirror Neuron Therapy in Parkinson’s disease - A systematic review of the literature
R. S. Ganga Tharan, Hari Hara Subramanyan
Repeated sessions of caloric vestibular stimulation reduce the frequency and severity of episodic migraine
Mohamed Sakel, Maria Gallagher, David Wilkinson, Philip Ulrich, Rezina Sakel

Effects of gaze direction recognition exercise on pain intensity, balance and disability level in patients with chronic neck pain
Ugur Cavlak, Mehmet Duray, Sule Simsek, Filiz Altug

**ORAL PRESENTATION - STROKE**

**Co-Chairs:** Nitin Dange (*India*), Anil Kharapulkar (*India*)

14:00 - 14:08 Upper limb self-efficacy test (upset- stroke) - Its validity and relationship with participants age and time since stroke
Auwal Abdullahi

14:09 - 14:17 Efficacy of Visual Evoked Response (VER) and Brainstem Evoked Response Audiometry (BERA) in Hypoxic Ischemic Encephalopathy (HIE) in patients prognosis
Maheswarappa B M

14:18 - 14:26 Functional connectivity predicts neuroplastic response induced by non-invasive brain stimulation in stroke - Opportunities to individualise stimulation based on connectivity profile
Brenton Hordacre, Bahar Moezzi, Michael Ridding

14:27 - 14:35 Self-regulating brain and muscle activity simultaneously to minimize non-obvious, compensatory tendencies during stroke rehabilitation - A randomized clinical study
Daphne Menezes, Subhasis Banerji, John Heng, Alakananda Banerjee, Ponusamy Ponvignesh

14:36 - 14:44 Robotic Assisted Gait Training (RAGT) for long term rehabilitation of stroke patients
Ramakant Yadav
ORAL PRESENTATION - STROKE / PERIPHERAL NEUROPATHY AND NEUROMUSCULAR DISEASE
Co-Chairs: Ashok Kumar (India), J. S. Kathpal (India)

14:00 - 14:08 Effect of repetitive transcranial magnetic stimulation on corticomotor excitability and motor function of the affected hand in subjects with stroke
Vengamma Reddy Bhuma, Srikumari Vadlamudi

14:09 - 14:17 Effects of Music Therapy Intervention in rehabilitation of patients diagnosed with non-progressive brain disorders
Ashish Vijay Kasbe, Abhishek Srivastava, Navita Purohit

14:18 - 14:26 Musculoskeletal ultrasound assisted minimal incision flexor retinaculam release in carpal tunnel syndrome
Sreejith K, Shehadad K, Sudhil TR, Muhalisa V, Sreedevi Menon

14:27 - 14:35 Role of surgeries in early ambulation of cerebral palsy analysis of 1540 children
Sreedhar Thuppal

14:36 - 14:44 Effects and mechanism of mirror based integrative motor and sensory training on upper limb function of stroke patients
Chunlei Shan, Sicong Zhang, Yangyang Zhang, Qiumin Zhou, Xiaodan Liu, Yijie Liu, Jiawen Cui, Qian Xu, Zhu Chen, Ping Wang, Jian Chen

ORAL PRESENTATION - MULTIPLE SCLEROSIS AND INFLAMMATORY DISEASES OF CNS / OTHER DISEASES
Co-Chairs: Jabar Maloo (India), P Vibhor (India)

14:00 - 14:08 Effect of vestibular rehabilitation therapy on fatigue in patients with multiple sclerosis: a randomized controlled trial
Amina Mohammad Awad, Hussien Shaker, Amira M El Gohary, Amr Hassan

14:09 - 14:17 Pediatric epilepsy surgery outcome
Sangeeta Ravat

14:18 - 14:26 Chronic pain in multiple sclerosis - A longitudinal study
Bhasker Amatya, Jamie Young, Mary P Galea, Fary Khan

14:27 - 14:35 Prevalence of dysphagia in China - An epidemiology survey among 6102 participants
Zu Lin Dou
14:36 - 14:44  Profile of neurological symptoms and vitamin B12 deficiency in a neurology clinic in an urban setting in India
Varsha Anant Patil, Nirmal Surya

14:45 - 15:30  SIG MEETING: POSTURE MOBILITY FALLS

14:45 - 15:30  SIG MEETING:
SIG MAC - MEASUREMENT, ASSESSMENT & CLASSIFICATION

14:45 - 15:30  SIG MEETING:
CONTINENCE AND BOWEL MANAGEMENT IN NEUROREHABILITATION

15:00 - 17:00  PUBLIC FORUM - PARKINSON’S DISEASE

15:30 - 17:00  NEUROINFECTION (DWF-IV)
Co-Chairs: U. K. Mishra (India), Sarosh M. Katrak (India)
15:30 - 15:50  CNS Tuberculosis: Sarosh M. Katrak (India)
15:50 - 16:10  HIV: Om Shrivastav (India)
16:10 - 16:30  NeuroRabies: Joy D. Desai (India)
16:30 - 16:50  Cerebral Malaria: Dhanpat Kochar (India)
16:50 - 17:00  Q & A

15:30 - 17:00  SYMPOSIA 16: LANGUAGE AND COMMUNICATION DISORDERS
Co-Chairs: Apoorva Pauranik (India), Gayatri Hattagdi (India), Zainab Nagree (India)
15:30 - 16:00  Cochrane review of evidence for aphasia treatment: Swathi Kiran (United States)
16:00 - 16:30  Aphasia assessment: Reza Nilipour (Iran)
16:30 - 17:00 The forgotten cog in the wheel - Caregivers and communication partners: Apoorva Pauranik (India)

**15:30 - 17:00**

**HALL C**

**SYMPOSIA 17: MULTIPLE SCLEROSIS**
Co-Chairs: Nirmal Surya (India), S. P. Gorthi (India), Jurg Kesselring (Switzerland)

15:30 - 16:00 Overview on MS in Indian and Asia: B. S. Singhal (India)
16:00 - 16:30 Challenges in MS Rehabilitation in developing countries: Nirmal Surya (India)
16:30 - 17:00 Neurorehabilitation in Multiple Sclerosis - Resilience in practice: Jurg Kesselring (Switzerland)

**15:30 - 17:00**

**HALL D**

**SYMPOSIA 18: MOVEMENT DISORDERS**
Co-Chairs: Rajinder K. Dhamija (India), Charulatta Sankhla (India), Pankaj Agarwal (India)

15:30 - 16:00 Overview of guidelines and recent trials on rehab in Parkinson’s Disease: Rajinder K. Dhamija (India)
16:00 - 16:30 Management of advanced Parkinson’s Disease with an emphasis on continuous dopaminergic stimulation: Tissa Wijeratne (Australia)
16:30 - 17:00 Role of rehabilitation in Parkinson Plus syndromes: Kuljeet Singh Anand (India)

**15:30 - 17:00**

**HALL E**

**MODEL OF OUT REACH PROGRAM FOR COMMUNITY REHABILITATION**
Panelists: Volker Homberg (Germany), Michael Barnes (UK), Sabhat Asim Wasti (UAE), Mayowa Owolabi (Nigeria), Gagandeep Singh (India)

**15:30 - 17:00**

**HALL F**

**SESSION - IFNR-VI - SYMPOSIUM ON BACK AND NECK PAIN DISORDER**
Co-Chairs: Ram Chaddha (India), H. S. Chhabra (India), Arvind Kulkarni (India)

15:30 - 15:50 Surgical and holistic rehabilitation of patients with severe Craniovertebral anomalies: Atul Goel (India)
15:50 - 16:10 Chronic neck pain - Tips for early and successful rehabilitation: P. S. Ramani (India)
16:10 - 16:30  Chronic low back pain - Guidelines for rehabilitation: H. S. Chhabra (India)
16:30 - 16:50  Does Minimally Invasive Spine Surgery have a role in early rehabilitation and recovery?: Arvind Kulkarni (India)
16:50 - 17:00  Q & A

15.00 - 17.00  HALL H

PUBLIC FORUM - PARKINSON’S DISEASE

17:00 - 17:45  HALL A-C

CLOSING LECTURE

Co-Chairs: Leonard S W Li, Matilde Leonardi

17:00 - 17:45  WHO Global Strategy on Rehabilitation - 2030: Alarcos Cieza (United Kingdom)

17:45 - 18:15  HALL A-C

VALEDICTORY FUNCTION
POSTER PRESENTATIONS
POSTER PRESENTATIONS
THURSDAY, FEBRUARY 8, 2018

SESSION 1
Co-Chairs: Ashima Nehra (India), Jamuna Rajeshwaran (India)

T-001 Cerebral changes related to sexual dysfunction after spinal cord injury - A mixed methods study: Carl Froilan Leochico (Philippines)

T-002 Clinical profiling of persons with dementia in selected cognitive linguistic domains: Heena Sunil Shahani (India)

T-003 Impact of theme of music (happy or sad) on attention, concentration & recall of healthy young adults: Chilkala Pradeep Deshpande (India)

T-004 Interpreting spatial dysgraphia after stroke - Straight ahead or straight above?: Dominic Pérrenou (France)

T-005 Neurofeedback training with MU rhythm for social cognitive deficits - A systematic review: Manju Kumari (India)

T-006 Subliminal sexual perception - The role of spinal cord: Carl Froilan Leochico (Philippines)

T-007 Construction of questionnaire to assess third party disability in mothers of children with autism spectrum disorder (CWASD): Rishidhar Ashokkumar Dubey (India)

T-008 Neuropsychological contribution to the diagnosis of nonverbal learning disorder - A review: Daiane Da Silva Pinson (Brazil)

T-009 Neurorehabilitation in two adults with hurler syndrome and morquio a syndrome due to attentional difficulties: Nolly Nataly Castañeda Ibáñez (Colombia)

T-010 Rehabilitation challenges in an elderly Cauda Equina Syndrome with concurrent normal pressure hydrocephalus - A case report: Wan Najwa Wan Mohd Zohdi (Malaysia)

T-011 To test if Separation Anxiety (SA) is absent/attenuated in autistic children: Nisreen Bohra (India)

T-012 Usefulness of a brief cognitive tool to predict progression of amnestic mild cognitive impairment to alzheimer’s disease: Jwala Narayanan (India)

T-013 Demography of cases referred for psychological support and counselling in a developing country - A descriptive study: Intan Sabrina Mohamad (Malaysia)

T-014 Investigating causes: Sumeet Gurunath Sarang (India)

T-015 Magnitude of co-morbidities in pediatric epilepsy - Need for neuropsychological rehabilitation: Somini Haresh Mehta (India)

T-016 Effect of Medical Welfare Cooperation of "vocational rehabilitation planning sheet for people with cognitive disorders after acquired brain injury": Tamami Aida (Japan)
SESSION 2
Co-Chairs: Bindu Menon (India), Maheshwarappa BM (India)
T-017 Neuropsychology practice in India - Online survey based study: Farzana Mulla (India)
T-018 Validation and proof of concept pilot study on cognitive retraining strategies in early dementia: Nandini Mohanan (India)
T-019 A new computer-based saccade training program for patients with hemianopia - Preliminary results: René M Müri (Switzerland)
T-020 Case study highlighting the effectiveness of intensive neuropsychological rehabilitation 13 years since brain injury: Shradhha Shah (India)
T-021 Designing new technologies to assist memory in patients with neurological disorders: Laurie Ann Miller (Australia)
T-022 Diagnosis and management of anti-nmda receptor limbic encephalitis in a young filipino woman: a case report: Ma Nessa Buniel Gelvosa (Philippines)
T-023 Efficacy of cognitive corrective therapy in patients with mild cognitive impairment: Nan Haiou (China)
T-024 Impact of electroacupuncture combined with behavior training on event-related potential p300 in rats with mid / advanced cerebral infarction: Qian Yu (China)
T-025 Impact of electroacupuncture combined with behavioral training on learning memory and in Vivo LTP in rats with advanced cerebral infarction: Qian Yu (China)
T-026 Impact of heartfulness meditation on transmission of brain waves: Snehal Deshpande (India)
T-027 L-Carnosine in pediatric cognitive disorders: Moses P Moorthy (India)
T-028 Marital quality after acquired brain injury - An Indian perspective: Shradhha Shah (India)
T-029 Meta-cognition in children with attention deficit hyperactivity disorder - An occupational therapy cohort study: Aishwarya Swaminathan Iyer (India)
T-030 Narrative medicine and patients with Alzheimer’s disease - The timeslips experience: Matilde Leonardi (Italy)
T-031 Shark attack memory - A ‘brain-training’ app with the hippocampus in mind: Narinder Kapur (United Kingdom)
T-032 Telemedicine to set new frontiers in neurorehabilitation - A cognitive home-based solution: Federica Alemanno (Italy)

SESSION 3
Co-Chairs: Ganesh Kini (India), Rahul Baviskar (India)
T-033 The relationships between mediation levels in cognitive assessments and mediation levels in cognitive-functional assessments: Rachel Kizony (Israel)
T-034 Using an eclectic neuropsychotherapeutic approach to improve quality of life in a patient with mild cognitive impairment: Shradhha Shah (India)
T-035 Dysarthrophonia in association with voice analysis - A case study: Nikhila K. Govathi (India)
T-036 What is stroke? Why I can’t swallow!! What are the risk factors of swallowing?: Nikhila K. Govathi (India)

T-037 Simple self-paced yoga-asana learning and home practice improves QOL and cognitive functioning in Parkinson’s disease - A pilot study: Rahul V. Kulkarni (India)

T-038 Reliability, validity and sensitivity of the outcome measures provided by a robotic device for hand rehabilitation: Marco Germanotta (Italy)

T-039 Are functional and anatomical biomarkers of the motor system independent to explain upper limb motor impairment after stroke?: Claire Kemlin (France)

T-040 Calpain-mediated Beta-Secretase (BACE1) up-regulation induce neurodegeneration in the postschismic basal ganglia: Hanbai Liang (Japan)

T-041 Correlation between neuronal regeneration and expression levels of macrophage Migration Inhibitory Factor (MIF) after ischemic stroke in the rat brain: Daeyul Kim (Republic of Korea)

T-042 Cross-cultural adaptation and validation of life satisfaction checklist - 11 among persons with stroke in china at 3 years after discharge: Rongrong Wang (Norway)

T-043 Effects of different HBO treatment courses on perihematomal edema and expression of aquaporin-4 and superoxide dismutase in rats with ICH: Li Hong Ling (China)

T-044 Endogenous mobilization of hematopoietic stem cells - A sub-acute stroke intervention to improve functional outcome: Sankar Prasad Gorthi (India)

T-045 Enriched environment promotes motor and social function after stroke in mice: Whenhua Chen (China)

T-046 Hypoxic encephalopathy - Is it that bad!: Navita Purohit (India)

T-047 Malingnat MCA infarction - A catastrophe for stroke rehabilitation: Abhishek Srivastav (India)

SESSION 4

Co-Chairs: John Solomon (India), Ramesh Patankar (India)

T-048 Study of clinical spectrum, prevalence, localization and etiological implications of post stroke movement disorders in adults: Neeraj Elango (India)

T-049 Visual verticality perception after stroke - A systematic review of methodological approaches and suggestions for standardization: Dominic Pérennou (France)

T-050 Work-family conflict among health care workers in a rehabilitation center: Styliani Konstantinos Papakosta (Greece)

T-051 Cerebral cortex activation pattern of unilateral and bilateral wrist extension task using 3T: Neha Singh (India)

T-052 Cognitive communicative deficits in adults with stroke: Jaya Venkatagiri (India)

T-053 Correlation of muscle activity during trunk training activities with trunk performance in stroke survivors: Arunima Biswas (India)

T-054 Development of a screening tool for visuo-perceptual impairments in Indian stroke population: Poonam Ramesh Bajaj (India)
T-055 Kinematic analysis of physiological impairment of dysphagia in stroke survivors - A videofluoroscopic based study: Ankita Muridhkar Bhutada (India)

T-056 Lower extremity SEMG activity during functional mobility in a 22-year-old with postpartum cerebral venous thrombosis - A case report: Jayasree T. J. (India)

T-057 Neurorehabilitation in post partum hypernatremic encephalopathy - A case report: Varsha Soni (India)

T-058 Profile of cognitive impairment post stroke within in patient rehabilitation: Lydia Abdul Latif (Malaysia)

T-059 Swallowing dysfunction in patients with Supra Medullary Infarct (SMI) & Lateral Medullary Infarct (LMI) - A comparative study: Silky L Arora (India)

T-060 Sympathetic skin response may help with the diagnosis of post-stroke complex regional pain syndrome: Justin Li (Hong Kong)

T-061 The study of the stretch reflex measurements in the elbow spasticity using color augmented depth tracking: Sungmin Cho (Korea, Republic Of)

T-062 A prospective observational study of early seizure in stroke patients in a tertiary care center (ongoing study): Sanjeev Kumar (India)

T-063 Association of hip muscular strength with weight bearing asymmetry, pelvic tilt and gait speed in patients post stroke: Vishakha Bhagwandas Darak (India)

SESSION 5

Co-Chairs: Roop Gursahani (India), Manikandan Natarajan (India)

T-064 Burden of post stroke seizures in a tertiary care centre in South India: Shubha Subramanian (India)

T-065 Investigating the prevalence of upper-limb spasticity and associated problems among nursing home residents with stroke: Steven G Faux (Australia)

T-066 Ischemic stroke and migraine in a tertiary care centre: Venkatesan Manickam (India)

T-067 Profile of acute stroke patients in relation with duration of stay in an urban tertiary healthcare centre & recovery pattern: Kushal Agrawal (India)

T-068 Risk factors, etiology, and outcome of stroke in young adults in a tertiary care centre: Aqila Babu Abdullah (India)

T-069 Sexual dysfunction after stroke - A review paper: Intan Sabrina Mohamad (Malaysia)

T-070 Understanding demographic variables of stroke patients admitted to an Indian post hospital inpatient rehabilitation center - To pave the way forward: Vijay Janagama (India)

T-071 Effects of post-stroke fatigue on functional outcome during stroke rehabilitation program: Yoon Ghil Park (Korea, Republic Of)

T-072 Stroke in pregnancy - Rehabilitation challenges and experience from Malaysia: Nor Faridah Ahmad Roslan (Malaysia)

T-073 A paradigm shift in rehabilitation robotics - Moving toward more functional outcomes after
stroke?: Susan Eleanor Fasoli (United States)

T-074 A six-year follow-up of working capacity after a subarachnoid haemorrhage: Emma Westerlind (Sweden)

T-075 Adherence to home-based exercises in community dwelling stroke survivors - A pilot cross-sectional study: Amreen Mahmood (India)

T-076 Application of mirror therapy in rehabilitation of stroke hemiplegia in China: Yang Liu (China)

T-077 Assessing the effect of CIMT and RTMS on cortical reorganization of stroke as shown by clinical scales and neuroimaging studies: Neha Kuthiala (India)

T-078 Atrial myxoma’s embolization and stroke causing aphasia in a bilingual (Persian and Portuguese) Iranian girl - A case report: Eliane Cespedes Paes Huard (Brazil)

SESSION 6

Co-Chairs: Alok Banerjee (India), Pesi Katrak (India)

T-079 Cerebral Venous Thrombosis with polyneuropathy following diabetic ketoacidosis - Case report: Sangwon Min (Korea, Republic Of)

T-080 Challenges in the design of randomized controlled trials using new technologies for motor rehabilitation in early stroke: Andrea Serino (Switzerland)

T-081 Clinical analysis of three kinds of exercise therapy on knee control in hemiplegic patients: Zhong Hua Yang (China)

T-082 Compare effect of PNF for trunk versus weight shift therapy on trunk control and dynamic balance in chronic hemiplegia: Ravi Jyotikant Shah (India)

T-083 Comparison of mirror therapy and action observation therapy on lower limb function, ambulation, functional independence, participation in early subacute stroke: Esha Raman (India)

T-084 Determination of intramuscular motor endpoint for the effective administration of botulinum toxin in the treatment of spasticity: Alexandr Kovalenko (Russian Federation)

T-085 Development & validation of new age goniometer: Hitav Pankaj Someshwar (India)

T-086 Development and validation of physical activity measurement scale in stroke survivors: Apoorva M S (India)

T-087 Development of a hierarchy of tasks for functional training of stroke survivors: Vasanthan Rajagopalan (India)

T-088 Development of a physical activity program for stroke survivors living in community: John M Solomon (India)

T-089 Different perspectives of rehabilitation protocol for dominant and non-dominant stroke?: Neha Singh (India)

T-090 Direct modulation of functional connectivity through neurofeedback in chronic stroke patients: Anaïs Mottaz (Switzerland)

T-091 Does low frequency RTMS plays a role in elucidating clinical and neurophysiological
parameters in motor recovery of acute ischemic stroke?: Hina Sharma (India)

T-092 Does neuromuscular electrical stimulation of scapular muscles enhance upper extremity functional recovery following stroke? - A randomized clinical trial: Vijaya K Kumar (India)

T-093 Early endoscopic evacuation of spontaneous supratentorial intracerebral hematomas - Case selection, surgical technique, and outcome: Suresh Sankhla (India)

T-094 Early shoulder internal rotator chemo denervation may significantly decrease spasticity of elbow flexors and wrist flexors – Retrospective cohort study: Sanjay Chatterjee (India)

SESSION 7
Co-Chairs: Roshan Vania (India), Feroz Khan (India)

T-095 Effectiveness of constraint induced language therapy combined with low frequency repetitive transcranial magnetic stimulation for non-fluent aphasia: Qiumin Zhou (China)

T-096 Efficacy of meta-cognitive strategy training on functional performance and community reintegration of patients with chronic acquired brain injury: Kshanaprava Mohakud (India)

T-097 Effect of aquatic therapy on balance and gait in stroke - A rapid review: Pradeepa Nayak (India)

T-098 Effect of elite manual therapy on radicular lower back pain - A pilot study: Naveen Ganer (India)

T-099 Effect of fatigue management protocol in patients with stroke - A randomized controlled trial: Manikandan Natarajan (India)

T-100 Effect of functional electrical stimulation (FES) on Dorsiflexor muscle strength and gait training with Dorsiflexor assist in acute stroke patients: Senthil Kumar (India)

T-101 Effect of mirror therapy on lower extremity muscle activation in patients with stroke: Asha G (India)

T-102 Effect of Neuromuscular Electrical Stimulation (NMES) on management of dysphagia in patients with stroke: Nikita Uday Kirane (India)

T-103 Effect of observation with intent to imitate therapy on upper limb muscle activation in patients with stroke - Randomized controlled trial: Dhwani Bhadresh Doshi (India)

T-104 Effect of robot-assisted gait training on motor recovery, balance and gait in stroke: Palak Thaker Malhotra (India)

T-105 Effect of spatial versus temporal training using CDP on balance in subacute stroke: Geeson David Arumbur (India)

T-106 Effect of training eye hand coordination using emerging user interface technologies in stroke survivors - A randomized controlled study: Nikhil Choudhary (India)

T-107 Effect of unstable surface sitting on anterior tibial muscle activity following stroke: Ramachandran Sivakumar (India)

T-108 Effect of upper extremity chemodenervation and stretching casting on gait parameters in spastic acquired brain injury patients: Carl Ganzert (Canada)

T-109 Effectiveness of an action-observation based interactive platform (mirrorable) in improving
hand function in children suffering from unilateral cerebral palsy: Arturo Nuara (Italy)

T-110 Effectiveness of visual conflict exercises in computerized dynamic posturography on dynamic balance post stroke - Pilot study: Chaitali Anup Vaidya (India)

SESSION 8
Co-Chairs: Nitin Dange (India), Poonam Bajaj (India)

T-111 Effects and mechanisms of therapeutic instrumental music performance combined with scalp acupuncture on upper limb of patients with stroke: Wenxi Li (China)

T-112 Effects of number of repetitions of shaping practice in acute stroke patients - Preliminary results of a randomized controlled trial: Auwal Abdullahi (Nigeria)

T-113 Effects of static progressive splinting on shoulder contracture in patients with spastic hemiparesis - A pilot randomized, single-blind, controlled trial: Michal Riha (Czech Republic)

T-114 Efficacy of inpatient rehabilitation by multidisciplinary team for stroke patients in improving functional and cognitive outcomes: Vijay Janagama (India)

T-115 Efficiency of physical therapy on postural imbalance after stroke - Preliminary results of first meta-analysis: Aurelien Hugues (France)

T-116 Electrophysiological study of muscle activity of lower limb in affected and unaffected limb while performing mirror movements in stroke: Soniya Chhibber (India)

T-117 Embodied cognition theory based action verb processing treatment for stroke patients’ upper extremity function recovery - Behavioral effects and neurophysiological mechanisms: Chunlei Shan (China)

T-118 Evolution of resting-state functional connectivity in relation to motor performance and recovery after stroke - A pilot study using FNIRS: Byunghee Park (Korea, Republic Of)

T-119 Exploring stroke patient’s expectations for upper limb motor recovery and barriers to achieving those expectations: Katie Meadmore (United Kingdom)

T-120 Feasibility of post-stroke upperlimb rehabilitation using embodied virtual reality: Nirmal Narayan (India)

T-121 Follow-up needs after stroke - Can post-stroke checklist be part of the solution?: Emma Kristina Kjörk (Sweden)

T-122 Hand based functional training for hemiparetic patient with in-hand manipulation deficit using cognitive approach - A single case study: Abhinav Navalkishore Mishra (India)

T-123 Hemiparetic shoulder muscle strength and scapular mal-alignment are predictors of trunk deviation: Bassam Abd Elmageed Elnassag (Egypt)

T-124 Hiccups: The less notorious sequelae of ischaemic strokes: Norhayati Hussein (Malaysia)

T-125 Hyperbaric oxygen therapy reduces post-stroke edema and improves outcomes: Ravi Sankaran (India)

T-126 Impact of stroke on balance ability and postural sway - A comparative study: Ugur Cavlak (Turkey)
SESSION 9
Co-Chairs: R M Bhupathy (India), Shashi Oberoi (India)

T-127 Improvement of persistence and F/M amplitude ratio is important in controlling muscle tone in patients with cerebrovascular disease: Toshiaki Suzuki (Japan)

T-128 Influence of ankle loading on standing postural control and lower limb muscle activation in persons with stroke: Priyanka Ishwar Lalakia (India)

T-129 Influence of task oriented circuit training on upper limb function among community dwelling stroke survivors: Shruti Arvind Deshpande (India)

T-130 Influences of proximal hip muscles retraining on movement control of lower extremity and walking ability in ambulatory stroke individuals: Lavnika Dubey (India)

T-131 Intensive non-paretic arm training in chronic stroke patients with severe paresis improves functional independence without compromising paretic arm function: David Good (United States)

T-132 Knowledge, attitude and practices (Kap-study) on stroke & post stroke management among the populations of Ladakh - An educational intervention study: Sakshi Sharma (India)

T-133 Light at the end of the tunnel improvement of cortical visual field defect after neuronavigated repetitive transcranial magnetic stimulation: Nevine Medhat El Nahas (Egypt)

T-134 Long-term daily life consequences of subarachnoid hemorrhage - A cross-sectional follow-up study: Katharina Stibrant Sunnerhagen (Sweden)

T-135 Mental imagery enhance hand recovery in stroke patients - A randomized controlled trial: Unnikrishnan V S (India)

T-136 Modulating internal model of verticality by virtual reality and walking with body-weight support - A pilot study in healthy subjects: Dominic Pérennou (France)

T-137 Music therapy combined with acupuncture to improve the communication efficacy of patients with global aphasia: Qian - Zhang (China)

T-138 Outpatient clinic approach for the management of post-stroke spasticity with botulinum toxin - Long term experience of a reference center: Tomas Stuve (Portugal)

T-139 Paired associative stimulation improve sensorimotor functional recovery through inhibiting NOGOA / NGR / RHOA pathway in rats with cerebral Ischemia: Lu Yinshan (China)

T-140 Perceived and assessed balance in patients with stroke within 24 hours after discharge to home: Lena Rafsten (Sweden)

T-141 Pre stroke physical activity influences acute stroke severity - A register study: Malin Reinholdsson (Sweden)

T-142 Raised-heel stair-descent exercises as part of functional ambulation training post-stroke: Maria Elizabeth Cochrane (South Africa)

T-143 Randomized trial of trunk training on trunk control and community participation in chronic stroke: Suruliraj Karthikbabu (India)
SESSION 10
Co-Chairs: Reji Paul (India), Ali Irani (India)

T-144 Real-time, simultaneous agonist and antagonist electromyography (EMG) feedback in upper limb rehabilitation of chronic stroke patients: Daphne Menezes (Singapore)

T-145 Rehabilitation following sensory impairment in strokes with different areas of involvement: Archana Aditya Ranade (India)

T-146 Rehabilitation of post stroke patients with a focus on neuroplasticity: Tufail Muzaffar (India)

T-147 Rehabilitation treatment and prognostic factors in patients with massive cerebral infection: Baoqi Dang (China)

T-148 Reliability of the device using a hand-held dynamometer for the assessment of ankle dorsiflexor muscle strength: Mitsuhiro Ochi (Japan)

T-149 Reverse constraint induced movement therapy (R-CIMT) in acute stroke patients - Theory of concept: Harpreet Singh Sachdev (India)

T-150 Reviving of cortex through Bihemispheric Transcranial Direct Current Stimulation (TDCS) in rehabilitation of hand after subacute stroke - A pilot study: Shefali Gambhir (India)

T-151 Robotic training for upper limb motor recovery in stroke: Deepthi Ramchandra Kamble (India)

T-152 Role of botulinum toxin and goal based rehabilitation in improvement of fine motor function in chronic stroke - A case report: Poonam Ramesh Bajaj (India)

T-153 Role of Phosphodiesterase (PDE) inhibitors and TNF alpha blocking agent in functional recovery of stroke patient - A case study: Soniya Shah (India)

T-154 Special rehabilitation treatment of patients with stroke: Michaela Tomanova (Czech Republic)

T-155 Study on effect of “modified constraint induced movement therapy” on the functional status of upper affected extremity of stroke patients: Rahul Midha (India)

T-156 Support to continued active life after stroke for older stroke survivors and their caregivers - A feasibility study: Hanne Pallesen (Denmark)

T-157 Surgical revascularization for Childhood Moyamoya Disease [MMD] - An experience of 25 children with Moyamoya Disease [MMD]: Naresh Biyani (India)

T-158 The clinical effects of mirror neuron training system on upper extremity and cognitive function of stroke patients: Yan Li (China)

T-159 The combination therapy with peripheral and central simultaneous electrical stimulation on stroke patients - A pilot study: Satoru Saeki (Japan)

T-160 The effects of combination of neuromodulation and speech-language therapy on communication capacities of a patient with severe nonfluent aphasia: Xu Qian (China)

T-161 The efficacy of resistance bands on ambulation in post stroke hemiplegia: Gaurav Gomez (India)

T-162 To screen for burden in caregivers of patients with stroke condition: Manasi Suhas Takle (India)

T-163 What outcomes matter to patients with stroke in India? - A qualitative study: V Prakash (India)

T-164 Why are we treating post-stroke spasticity with botulinium? Do goals change over time?: Jorge Fortunato (Portugal)
POSTER PRESENTATIONS
FRIDAY, FEBRUARY 9, 2018

SESSION 1
Co-Chairs: Sonal Chitnis (India), Gayatri Hattiangadi (India)

F-001 Distribution of communication deficits in the acute neurological care of a tertiary-care hospital in South India: Gopee Krishnan (India)

F-002 An android-based phonological training app for aphasia: Rajath Shenoy (India)

F-003 Language impairment following herpes infection - A rare occurrence: Parul Sud (India)

F-004 Laryngeal apraxia - A unreachable post-stroke communicative disorder to speech-language therapists: Gopee Krishnan (India)

F-005 Normalization of voice parameters in patients with unilateral vocal cord palsy - Is it realistic?: Rawish Kumar (India)

F-006 Snakebite envenomation - A special reference to speech impairment: Sanjay Kumar Munjal (India)

F-007 A systematic and quantitative evaluation of plantar stimulation - Unravelling a hidden parameter (sensitivity) and its application to clinical practise: Akash Harakchand Chheda (India)

F-008 Effect of aging and stroke on trunk control dynamics in the seated reach task: Asmita Kaustubh Karajgi (India)

F-009 Effect of random and blocked practice schedules on motor learning in children: Shrutika Dilip Parab (India)

F-010 Evaluation model of upper limbs rehabilitation training based on AHP - Fuzzy comprehensive evaluation: Wei Yu Wei (China)

F-011 To study the role of gabapentin in dystonia in children: Payal Rajendra Shah (India)

F-012 Brain mapping change in near-infrared spectroscopy before and after constraint-induced movement therapy - A case report: Yuki Uchiyama (Japan)

F-013 Comparison of structured intensive program and conventional physical therapy for improving upper extremity motor skills in spastic diplegic cerebral palsy: Sanjukta Shirish Sardesai (India)

F-014 Effect of proprioceptive neuromuscular facilitation induced irradiation on contralateral lower limb in young healthy individuals: Namrata Nandkumar Kadam (India)

F-015 Factors influencing motor coordination in children: Osamu Nitta (Japan)

SESSION 2
Co-Chairs: Tarun Lala (India), Rajeev Mathur (India)

F-016 Functional recovery through neurorehabilitation after left sided pallidotomy for cervical dystonia - A case study: V Siddharth (India)

F-017 Rehabilitation programs in severity-dependent stratification in Friedreich’s ataxia patients:
Andrea Martinuzzi (Italy)

F-018 Role of occupational therapy in management of children with cerebral palsy: Aishwarya Swaminathan Iyer (India)

F-019 The effectiveness of balance intervention in normal pre-teen urban school children using balance master: Deepti Vikas Gadre (India)

F-020 Botulinum toxin use in specialist clinics – A survey to highlight differences and similarities: Rajiv Singh (United Kingdom)

F-021 Development of a simple device to measure ankle plantar flexion torques for evaluation of spasticity and its clinical application: Hirofumi Maeda (Japan)

F-022 Improving the test-retest and inter-rater reliability for stretch reflex measurements using isokinetic device in stroke patients with mild to moderate elbow spasticity: Won-Seok Kim (Korea, Republic Of)

F-023 Indian study on the use of modified static EWHO in stroke rehabilitation management: Ajit Kumar Varma (India)

F-024 Intrathecal baclofen - Testing by trial infusion prior to pump implantation: Martin Cossar (United Kingdom)

F-025 Occurrence of dystonia, spasticity and contractures in patients with severe acquired brain injury - A prospective cohort study: Susanne Kirk Baagøe (Denmark)

F-026 Pronator Teres (PT) directly influences Modified Tardieu Scale (MTS) of wrist flexors - A retrospective cohort study: Sanjay Chatterjee (India)

F-027 Does the sensory interaction affect the level of physical activity in patients with multiple sclerosis?: Kader Cekim (Turkey)

F-028 Economic rehabilitation of MS patients and families by Multiple Sclerosis Society of India (MSSI): Sheela Mukund Chitnis (India)

F-029 Physical behavior in patients with multiple sclerosis: Kader Cekim (Turkey)

F-030 Relationship between fatigue and level of physical activity in patients with multiple sclerosis: Kader Cekim (Turkey)

F-031 Evaluation of vestibular functions in multiple sclerosis using cervical and ocular vestibular evoked myogenic potentials: Vignesh S S (India)

SESSION 3

Co-Chairs: Mohan Jadhav (India), Ambar Konar (India)

F-032 Study on the evaluation of cognitive fatigue in multiple sclerosis - Correlation between objective and subjective measures and awareness on rehabilitation: Guhan Ramamurthy (India)

F-033 “I know you have problems but I am stressed” - Relationship between perceived cognitive deficits and caregiver burden in multiple sclerosis: Anita Elizabeth Rose (United Kingdom)

F-034 Correlation between level of fatigue and quality of life in HIV infected population after energy conservation education and endurance-training program: Muralikrishnan Srinivasan (India)
F-035 Effect of home based occupational therapy rehabilitation on quality of life in transvers myelitis - A single case study: Sonali Pandit Ghumare (India)

F-036 Fatigue and quality of life in persons with multiple sclerosis - A correlative study: Odette M Gomes (India)

F-037 Multiple sclerosis - journey of a therapist - Using narrative ideas within the context of occupational therapy practice: Pramod Dattaram Lambor (India)

F-038 Physical rehabilitation of MS patients: Sheela Mukund Chitnis (India)

F-039 Speech and swallowing functions in Wallenberg’s syndrome - A dual case study: Jaya Venkatagiri (India)

F-040 The clinical effect of high-energy laser on scapulohumeral periarthritis: Yong Qiang Li (China)

F-041 Effects and mechanisms of neuromuscular electrical stimulation on patients with chronic obstructive pulmonary disease: Xiaodan Liu (China)

F-042 Functional and muscular effects of neuromuscular electrical stimulation in patients with COPD - A systematic review and meta-analysis: Xiaodan Liu (China)

F-043 Outcome of treatment of myofascial pain syndrome of the lower back using a sequenced multidisciplinary rehabilitation protocol: Deepak Sharan (India)

F-044 Children with epilepsy - A holistic approach: Pratheep Kumar S (India)

F-045 Cognitive impairment in epilepsy - Attention to cognitive rehabilitation: Venkatraman Karthikeayan (India)

F-046 Cognitive impairments in 506 patients with drug resistance epilepsy: Arthy Bhoopathy (India)

F-047 Disability and quality of life in epilepsy patients visiting an epilepsy clinic run by NGO in Mumbai: Arti Sharma (India)

SESSION 4
Co-Chairs: Purshottam Dantala (India), Bharti Patil (India)

F-048 E-counseling for pre-conception and prevention of neural tube defects, epilepsy, congenital anomalies and craniosynostosis diseases among Asian Indian population: Mayadhar Barik (India)

F-049 Educational and occupational status in drug resistant epilepsy: Bhoopathy R. M. (India)

F-050 Epidemiology of psychological co-morbidities in adult epilepsy patients in the rural districts of Maharashtra: Arti Sharma (India)

F-051 Epidemiology of psychological co-morbidity in pediatric epilepsy patients in the rural districts of Maharashtra: Arti Sharma (India)

F-052 Hemispherotomy in catastrophic epilepsy: Sujit Abajirao Jagtap (India)

F-053 Occupational therapy management of the cognitive-perceptual deficits in a child with epilepsy - A case report: Aishwarya Swaminathan Iyer (India)

F-054 Quality of life in epilepsy before and after treatment: Arti Sharma (India)
F-055 Role of memory rehabilitation after left anterior temporal lobectomy (ATL) - A case experience: Mayuri Kalika (India)

F-056 Sensory strategies to assist seizure management and developmental intervention in an infant with perinatal asphyxia - A case report: Divya Mohan (India)

F-057 Understanding the efficacy of group exercise in a community based rehabilitation of children with epilepsy in rural districts of Maharashtra: Hitav Pankaj Someshwar (India)

F-058 Verbal cognition & social communication skills in temporal lobe epilepsy: an exploratory study: Sonal V Chitnis (India)

F-059 A first psychometric evaluation of the Patient Categorisation Tool (PCAT) as a tool to measure complex needs for rehabilitation: Lynne Turner-Stokes (United Kingdom)

F-060 A study of people living with post-amputation syndrome to identify their priority for treatment - Data from the first 99 patients: Jai Kulkarni (United Kingdom)

F-061 Active and healthy ageing and neurorehabilitation - Models and definitions available in literature from 2000 to 2016: Matilde Leonardi (Italy)

F-062 An innovative assessment method for assessing the performance in activities of daily living of Chinese population with functional disability: Shanshan Guo (China)

F-063 Assessment of neurodevelopmental sequelae in infants and children with neonatal hypoglycaemic brain injury in the Indian population - A pilot study: Vidhi Shah (India)

SESSION 5
Co-Chairs: Ramakant Yadav (India), M A Khan (India)

F-064 Blink reflex - Early prognostic marker of bell's palsy: Kaushik Gowthaman (India)

F-065 Care givers priority and their perceived health related quality of life among moderate and severe cerebral palsy underwent multilevel surgery: Joshua Samuel Rajkumar (India)

F-066 Cochrane rehabilitation field - Advancing evidence based medicine practise in rehabilitation community: Julia Patrick Engkasan (Malaysia)

F-067 Dimensionality and scaling properties of the Patient Categorisation Tool (PCAT) in patients with complex rehabilitation needs following acquired brain injury: Lynne Turner-Stokes (United Kingdom)

F-068 Does the tempo and pattern of neurological syndrome help diagnose paraneoplastic etiology?: Akash Harakchand Chheda (India)

F-069 Efficiency of voice therapy for persons with vocal tremors: Noorain Alam (India)

F-070 Electrophysiological indicator of subclinical central neuropathy in type 2 diabetes mellitus patients - Visual evoked potential: Juhi Agrawal (India)

F-071 Etiological spectrum and clinical outcome in non-compressive myelopathy from a tertiary care hospital in South India: Krishnaprasad Thuvapalayam Periyasamy (India)

F-072 Falls during neurorehabilitation and thereafter: Auguste Tautscher Basnett (Austria)
F-073  Functional balanceability in children with profound hearing impairment aged 6 to 10 years: Komal Ramml Agrawal (India)

F-074  Infected Dermal Sinus with Arachnoiditis (IDSA) - An experience of 24 children: Naresh Biyani (India)

F-075  Is it possible to completely save from suicide or attempt to suicide in our society - A comparative study including with review of literature: Mayadhar Barik (India)

F-076  Knowledge and attitude on sexual wellbeing and practices amongst healthcare providers in a developing country: Intan Sabrina Mohamad (Malaysia)

F-077  Knowledge, attitude and perceptions / practices about developmental problems, therapeutic interventions and service utilization amongst caregivers of children with cerebral palsy: Shraddha Manohar Patil (India)

F-078  Knowledge, attitude, practice among health care professionals on developmental screening tools for children in Udupi Taluk hospitals: qualitative study: Kritika Jain (India)

F-079  Mindfulness training and pharmacological prophylaxis have similar effect in the treatment chronic migraine with medication overuse: Matilde Leonardi (Italy)

SESSION 6
Co-Chairs: E S Krishnamoorthy (India), Parul Dubey (India)

F-080  Predicting the probability of falls in geriatrics using traditional and dual-task constraint timed up and go test: Hitav Pankaj Someshwar (India)

F-081  Preliminary report on outcome of treatment of Eichenholtz Stage III Charcot Neuroarthropathy by using bilayer lunairmed insoles: Ohnmar Htwe (Malaysia)

F-082  Role of neurosurgery in patients with occult spinal dysraphism having neurological deficits: Deepak Amrit Palande (India)

F-083  Role of Platelet Rich Plasma (PRP) in Temporomandibular (TM) joint arthritis - A case report: Pinky Omprakash Ratnani (India)

F-084  Sexual dysfunction among males with physical disability - Comparison between acquired brain injury and non-brain injury: Shivani Ap Rajasegaran (Malaysia)

F-085  Unusual presentation of phantom pain due to thrombosis of the superficial vein in left transtibial stump: Ohnmar Htwe (Malaysia)

F-086  Validation of facial palsy objective scoring system for bell’s palsy: Nikhil Dhananjay Kadam (India)

F-087  What color is your parachute? Rethinking vocational rehabilitation for service leavers: Marietta Birkholtz (United Kingdom)

F-088  Atypical presentations of CNS tuberculosis: Akash Harakchand Chheda (India)

F-089  The Jaipur foot: Anil Kumar Jain (India)

F-090  Construct validity of the Balance Evaluation Systems Test (BESTEST) in patients with peripheral vestibular hypofunction: Yasemin Aydin (Turkey)
F-091  Efficacy of wooden labyrinth 3D game to improve gaze stability in patients with unilateral peripheral vestibular dysfunction: Yogesh Anand (India)

F-092  Physical therapy in non-vertiginous dizziness: Poonam Ramesh Bajaj (India)

F-093  The effects of physical activity level on functional exercise capacity in patients with peripheral vestibular hypofunction: Yasemin Aydin (Turkey)

F-094  Arthrogryposis multiplex congenital - What are the limitations of Activities of Daily Living (ADL) in adulthood?: Shenhao Dai (France)

F-095  Effects of neural mobilisation and intrinsic muscles and splinting in carpal tunnel syndrome: Sumit K Saxena (India)

SESSION 7
Co-Chairs: Odette Gomes (India), Satish Khadilkar (India)

F-096  Rodent model of pain - Role of topiramate: Amitava Chakrabarti (India)

F-097  A rare case of polyneuritis cranialis: Ummer K (India)

F-098  Comparison of knee, ankle joint reposition sense in subjects with type 2 diabetes and age, sex, BMI matched normal controls: Rizwana Sajjadhusain Bhadorsawala (India)

F-099  Late onset Pompe's disease - A treatable myopathy: study of seven index cases: Madhu Bala (India)

F-100  Ankle-foot Orthosis in Duchenne Muscular Dystrophy - A 4 year experience in a multidisciplinary neuromuscular disorder clinic: Anupam Gupta (India)

F-101  Comparison of pre-operative and post-operative clinical and radiological angles of foot in equinovarus deformity in cerebral palsy hemiplegic: Amit Subhash Mhambre (India)

F-102  Comprehensive rehabilitation for childhood reducing body myopathy - A case report: Xinhong Wu (China)

F-103  Exploring prevention and treatment strategy for critical illness associated neuromuscular weakness: Dharam Pani Pandey (India)

F-104  Lower motor neuron rehabilitation - Anticipation of complications and early initiation of therapy: Sindhuja Lakshminarasimhan (India)

F-105  The opinions about lower limb orthoses in multiple sclerosis patients - An explorative qualitative study using focus group discussions: Eva Swinnen (Belgium)

F-106  The use of ankle-foot orthoses in children with cerebral palsy - Influence on thorax, spine, and pelvis kinematics during walking: Eva Swinnen (Belgium)

F-107  ‘Smartglasses’ - Trialling a novel, activity-recognition system designed to enhance rehabilitation and safety for patients with neurological and/or cognitive impairments: Steven G Faux (Australia)

F-108  Clinical effectiveness of a haptic-based perception-empathy biofeedback system for balance rehabilitation in patients with chronic stroke: Kazuhiro Yasuda (Japan)
FROM NEUROTECHNOLOGIES TO COMMUNITY CARE

FRIDAY, FEBRUARY 9, 2018

F-109 Do adequate social media interactions exist for cerebral palsy?: Joshua Samuel Rajkumar (India)
F-110 Influence of Robotics or Lokomat on psychological wellbeing in patients with stroke: Neha Manjunath (India)
F-111 Touch screen smart tablet gaming for improving fine motor skills in children with cerebral palsy: Deepak Sharan (India)

SESSION 8
Co-Chairs: Rahul Gupta (India), Deepak Palande (India)
F-112 3D instrumented gait analysis in the management of neurogenic gait disorder: Navita Purohit (India)
F-113 Design of virtual reality-based intelligent rehabilitation evaluation system on upper limb: Junhua Wang (China)
F-114 Robotic intervention and occupational therapy rehabilitation in stroke - A case study: Vidhya Depgunde (India)
F-115 The use of social assistive humanoids in augmenting therapy for children with cerebral palsy - A pilot study: Fazah Akhtar Hanapiah (Malaysia)
F-116 Trail of recreation with humanoid robot for frail older adults: Eiko Takano (Japan)
F-117 Bone marrow derived neural progenitor cells transplantation promoting neurogenesis of brain injury rats: Wenfang Bai (China)
F-118 Massive traumatic brain injury - Does it improve?: Tushar Sonawane (India)
F-119 Role of hyperbaric oxygen therapy in traumatic brain injuries and post traumatic brain neurehabilitation: Laxmikant Bhople (India)
F-120 Brain ultrasonography findings in patients with decompressive craniectomy for traumatic brain injury undergoing rehabilitation: Srikant Venkatakrishnan (India)
F-121 Brain white matter abnormalities in patients with mild to moderate traumatic brain injury: Byung-Mo Oh (Korea, Republic Of)
F-122 Clinical course and outcome of cognitive impairments after traumatic brain injury or anurysmal subarachnoid haemorrhage: Anna Töllil (Sweden)
F-123 The coma recovery scale modified score: Matilde Leonardi (Italy)
F-124 Inpatient falls in a hospital rehabilitation department: Atzmon Atzi Tsur (Israel)
F-125 Knowledge of healthcare providers in managing challenging behaviours after acquired brain injury in a developing country: Intan Sabrina Mohamad (Malaysia)
F-126 Understanding demographic variables of traumatic brain injury patients admitted to an Indian post hospital inpatient rehabilitation center - Road to recovery: Vijay Janagama (India)
F-127 Exploring the outcomes in hypoxic brain injury following out of hospital cardiac arrest: Ramesh Munjal (United Kingdom)
SESSION 9
Co-Chairs: Abhijeet Das (India), Dattatray Majumdar (India)
F-128 “How many people in my house?” - Family members experiences of intensive domiciliary community care following brain injury: Sonja M Soeterik (United Kingdom)
F-129 Ankle plantarflexor spasticity is not differentially disabling for those who are weak following traumatic brain injury: Gavin Williams (Australia)
F-130 Assessment of kinematics using the low-cost Microsoft Kinect® - Reliability and validity in people with acquired brain injury: Gavin Williams (Australia)
F-131 Depression 1 year after TBI - The shefbit cohort: Rajiv Singh (United Kingdom)
F-132 Depression, burden and satisfaction with life in caregivers of children suffering traumatic brain injury three months after injury: Juan Carlos Arango-Lasprilla (Spain)
F-133 Development and testing of meaningful multimodal sensory stimulation in patients with coma following traumatic brain injury: Aarsi Umesh Shah (India)
F-134 Dysphagia in a case of cricopharyngeal spasm - Role of swallowing therapy: Zainab Nagree-Hatimi (India)
F-135 Early rehabilitation in severe head injury: Mansi Saxena (India)
F-137 Effect of intensive physiotherapy in traumatic brain injury patients: Pooja Marmik Patel (India)
F-138 Efficacy of amandatine on improving consciousness for vegetative state with TBI patients applied by position emission tomography / computed tomography: Zhenlan Li (China)
F-139 Efficacy of mobilization to sitting in various durations to improve arousal in traumatic brain injury patients: Rajeswari Muthusamy (India)
F-140 Evaluation of a novel method for assessing whole-body postural alignment in walking, standing and sitting: Simon James Mills (Australia)
F-141 Evaluation of group brain injury education in persons with an acquired brain injury: Anita Elizabeth Rose (United Kingdom)
F-142 Functional outcomes after acquired brain injury in childhood - Which domains show the most progress?: Lorna Wales (United Kingdom)
F-143 Holistic neuropsychological rehabilitation and functional improvement in a case of severe Traumatic Brain Injury (TBI) - A single case study: Farzana Mulla (India)

SESSION 10
Co-Chairs: V Vernan (India), Raji Thomas (India)
F-144 Home-based neuropsychological rehabilitation in severe Traumatic Brain Injury (TBI) - A case study: Yuvika Jaydeep Kamdar (India)
F-145 Impact of acquired brain injury on family caregivers emotional health: Anita Elizabeth Rose (United Kingdom)
F-146 Influence of aerobic exercise on improvement topographic memory in patients with traumatic brain injury: Volodymyr Golyk (Ukraine)

F-147 Multi-disciplinary rehabilitation in case of hypoxic brain damage: Poonam Ramesh Bajaj (India)

F-148 Outcomes of hyperbaric oxygen in hypoxic ischemic encephalopathy: Ravi Sankaran (India)

F-149 Patients with Traumatic Brain Injury (TBI) and their partners' feelings when addressing sexuality topics after TBI with their rehabilitation team: Juan Carlos Arango-Lasprilla (Spain)

F-150 Pilot study on outcome of brief right median nerve stimulation and multimodal sensory stimulation in comatose patients: Nithya K Manoj (India)

F-151 Right Median Nerve Electrical Stimulation (RMNS) to improve arousal in acquired brain injury patients - A randomised controlled trial: Raji Thomas (India)

F-152 Role of insight and motivation in memory rehabilitation - A case study: Tanvi Dingankar (India)

F-153 Sexual counseling and treatment experience of patients with traumatic brain injury and their partners: Juan Carlos Arango-Lasprilla (Spain)

F-154 The efficacy of a one month intense physiotherapy programme for acquired spastic equinovarus deformity in brain injury patients: Betsy Jacob (United Kingdom)

F-155 The efficacy of errorless learning in treating disorientation: Anita Rose (United Kingdom)

F-156 The incidence of anosmia after traumatic brain injury - The Shefbit cohort: Rajiv Singh (United Kingdom)

F-157 Treatment efficacy for TBI in children - Importance of detailed evaluation and individualized family-based rehabilitation program - A case report: Eliane Cespedes Paes Huard (Brazil)

F-158 Understanding decision making environment for people in minimally conscious state: Kudret Yelden (United Kingdom)
POSTER PRESENTATIONS
SATURDAY, FEBRUARY 10, 2018

SESSION 1
Co-Chairs: A Pauranik (India), Swati Kiran (India)

S-001 Cardiac autonomic control in infants with transient hypertonia and psychomotor retardation: Claudia Andrea Melipillan Cardenas (Chile)

S-002 Effect of electroacupuncture stimulation of acupoint of heart meridian on brain connectivity in 27 healthy volunteer subjects: Zhang Wei (China)

S-003 Study of cardiovascular autonomic dysfunction in type 2 diabetic patients: Juhi Agrawal (India)

S-004 When east meets west - transcultural comparison of sexual rehabilitation protocols - A systematic review: Reynaldo Rey Matias (Philippines)

S-005 Bladder involvement in subacute combined degeneration of spinal cord and bladder rehabilitation: Aradhana Shukla (India)

S-006 Aphasia rapid test - A new scoring system to assess prognosis and recovery: Harish Jayakumar (India)

S-007 Suprahyoid muscle complex - A reliable neural assessment tool for dysphagia?: Mohit Kothari (Denmark)

S-008 Bilingualism enhances recovery in stroke aphasia: Avanthi Paplikar (India)

S-009 A comparative investigation into verb naming impairment in bilinguals with primary progressive non-fluent aphasia vs. Semantic dementia: Sonal V Chitnis (India)

S-010 An insight into the speech and language characteristics of monozygotic twins with Phenylketonuria (PKU): Sunaina Yahiya (India)

S-011 Efficacy of non speech oro motor exercises on speech intelligibility of individuals with dysarthria: Trupti Khade (India)

S-012 Exploring intervention in primary progressive aphasia - A case study: Piyush Vikas Sone (India)

S-013 Ilat treatment - An effective group approach for heterogenous Person with Aphasia (PWA): Pinki Singh (India)

S-014 Ilat treatment - An effective individual approach for heterogenous Persons with aphasia (PWA): Apoorva Pauranik (India)

S-015 Investigating the influence of pediatric bilateral moyamoya disease on speech, language and swallowing functions - A preliminary clinical case report: Vineetha Sara Philip (India)

SESSION 2
Co-Chairs: Rahul Gupta (India), Annu Aggarwal (India)

S-016 Speech therapy for aphasia: Deepak Arjundass (India)

S-017 Swallowing and speech disorders in patients with head and neck cancers following
FROM NEUROTECHNOLOGIES TO COMMUNITY CARE

S-018 To explore the relationship between the AF integration and the recovery of the language function in a post-stroke aphasia: Hong Wang (China)

S-019 Tracking interventional progress in striato-capsular aphasia - A case study: Silky L Arora (India)

S-020 A case of non-structural (functional) neuromuscular scoliosis - Does lumbar traction help?: Ohnmar Htwe (Malaysia)

S-021 A case study focusing on early, multidisciplinary and self-awareness based neurorehabilitation in acquired brain injury: Shraddha S Shah (India)

S-022 A framework for neurorehabilitation of children with disabilities and their caregivers in resource restricted settings: Krupa Kumarsen Ovalekar (India)

S-023 A multidisciplinary parkinson’s rehabilitation model - Development, validation and replication: Maria Barretto (India)

S-024 A new initiative towards selection and delivery of low cost Assistive Technology (AT) for neuro-rehab patients in India: Rajendra Prasad (India)

S-025 Advances on development (neuro) rehabilitation system in Ukraine: Volodymyr Golyk (Ukraine)

S-026 An interesting case of poly-trauma needing rehabilitation: Arjun Dhar (India)

S-027 Asian physiotherapy and research institute: a benchmark model for holistic physiotherapy practice in developing countries: Sagar Kiritbhai Naik (India)

S-028 Attitude of parents for neurorehabilitation in developmentally delayed children: Anand Gajanan Diwan (India)

S-029 Bedside clinical swallow test and fiberoptic endoscopic evaluation of swallowing - Level of agreement: Akanksha Gupta (India)

S-030 Building patient ownership and engagement - A new approach to induction into community neurorehabilitative groups: Shraddha Bihariilal Kinger (India)

S-031 Challenges faced in semi urban & rural rehabilitation center - A single center prospective study from India: Devashish Deorao Ruikar (India)

SESSION 3
Co-Chairs: Prafulla Shembhalkar (India), Pradnya Gadgil (India)

S-032 Cognitive rehabilitation in subarachnoid hemorrhage – A case report: Neelam Mishra (India)

S-033 Community based group occupational therapy approach in children with epilepsy and associated comorbidities: Aishwarya Swaminathan Iyer (India)

S-034 Community based rehabilitation in children with epilepsy - An occupational therapy qualitative perspective: Aishwarya Swaminathan Iyer (India)

S-035 Comparison between virtual reality training using X-box 360 Kinect and conventional physiotherapy on trunk, postural control and quality of life: Trupti N Kulkarni (India)
S-036 Comparison of strength training and task specific exercises to improve upper limb function in stroke patients: Pradeep Kumar Maheshwari (India)

S-037 Correlation between DQ5 and dis in children with cerebral palsy: J. Gangai (India)

S-038 Effect of structured balance exercise programme on improving gait & balance in parkinson’s disease: Angja Bose (India)

S-039 Effectiveness of a novel velcro platform device on improving standing balance in cerebral palsy: Joshua Samuel Rajkumar (India)

S-040 Effects of electroacupuncture and exercise training on motor ability and map-2 expression in rats with cerebral infarction: Qian Yu (China)

S-041 Effects of modified CIMT in the recovery of upper extremity function affected by a stroke: comparing group versus individual intervention: Claudia Cristina Rivas (Chile)

S-042 Effects of musculoskeletal surgery and intensive rehabilitation on gross motor function and mobility in non-ambulatory persons with severe cerebral palsy: Deepak Sharan (India)

S-043 Efficacy of inpatient rehabilitation in stroke patients in improving quality of life - Outcomes from India’s post hospitalization rehabilitation center: Vijay Janagama (India)

S-044 Efficacy of multi disciplinary rehabilitation care in improving outcomes for neurological patients - Outcomes from post hospitalization rehabilitation center in India: Vijay Janagama (India)

S-045 Efficacy of swallowing maneuvers in treating oro-pharyngeal dysphagia in patients with head and neck cancers following radiotherapy: Banumathy Nagamani (India)

S-046 Establishing a model of care for children with disabilities enrolled in mainstream schools - A rural and urban model: Rangwala Zuzer Rangwala (India)

SESSION 4:
Co-Chairs: Tufail M (India), Deepak Arjundas (India)

S-047 Exploring speech & language disorders in epileptic vs non epileptic population screened at epilepsy outreach program: Sonal V Chitnis (India)

S-048 Facilitators and barriers of active participation of caregivers of children with cerebral palsy in their rehabilitation - An exploratory study: Auwal Abdullahi (Nigeria)

S-049 Feasibility of home based Graded Repetitive Arm Supplementary Program (GRASP) for post stroke upper limb functional recovery in rural India: Aniket Chandrakant Pande (India)

S-050 Functional prognostic indicators and rehabilitation potential in traumatic spinal cord injury versus non-traumatic myelopathy - Indian scenario: Padmapriya P (India)

S-051 Gandhian philosophy and neurorehabilitation: Netha Hussain (Sweden)

S-052 Health interventions in neurorehabilitation - The new landscape provided by the international classification of health interventions (ICHI): Andrea Martinuzzi (Italy)

S-053 Holistic benefits of Indian semi-classical dance therapy in institutionalized children with Down syndrome - A case series: Manasa Kolibylu Raghupathy (India)
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**SESSION 5**

Co-Chairs: Pratibha Sharan (India), Ashok Uppal (India)

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SUPPORTING ORGANISATIONS

Asia-Oceanian Society for NeuroRehabilitation
Asian and Oceanian Association of Neurology
Pakistan Society of NeuroRehabilitation
Bangladesh Association of Physical Medicine & Rehabilitation

Association of Srilankan Neurologists
Nepal Physiotherapy Association
Indian Academy of Neurology
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Spinal Cord Society
Multiple Sclerosis Society of India
Indian Head Injury Foundation

Parkinson’s Disease & Movement Disorder Society
ADAPT (Formerly The Spastics Society of India)
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ACKNOWLEDGEMENTS

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Evergreen
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EVER
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Micro Labs Limited
Mindmaze
NEOFECT
Sintetica

Indian Spinal Injuries Centre
The Wellington Hospital
tyromotion

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TRAVEL PARTNER

medical
mantra
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FLAG TRAVELS
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GATEWAY OF INDIA

The Gateway of India is an arch monument built during the 20th century in Bombay, India. The monument was erected to commemorate the landing of King George V and Queen Mary at Apollo Bunder on their visit to India in 1911. The monument has also been referred to as the Taj Mahal of Mumbai, and is the city’s top tourist attraction.