



Day 1-

Workshop held at MET (HALL A)

Session 1- Measurement of Spasticity

The first session was chaired by Dr. John Solomon, physiotherapist from Manipal and Dr. Shashi Oberai, Occupational Therapist from Mumbai. The first lecture was given by Dr. N Manikandan, physiotherapist from Manipal, he spoke on the Pathophysiology of spasticity in stroke, a very interesting lecture updating the delegates on the basics of spasticity. Followed by which Dr. John Solomon spoke on the measurement of spasticity, it was an interactive session. Later on Dr. Pawan Ojha spoke on the different pharmacological managements for treatment of spasticity. Dr. Senthilkumaran explained on the role of physical therapy in the management of spasticity in patients following stroke. A healthy discussion of the panel and the delegates followed at the end of the session. The chair person thanked the speakers and provided a token of appreciation to speakers.



Session 2- Live Workshop on Management of Upper Limb Spasticity

The session was chaired by Dr. Pawan Ojha, Neurologist from Mumbai and Dr. Nirmal Surya President IFNR. The chairperson invited Dr. Vinay Goyal, Neurologist from Delhi to deliver a lecture on the goals in upper limb spasticity. He very beautifully explained the pros and cons of Botox injection and the contraindications of Botox injection in the management of Upper limb spasticity. Dr. Chasnal Rathod, Paediatric Orthopaedic surgeon, Mumbai demonstrated how ultrasound can be a guide for injecting Botulinum toxin for management of Upper limb spasticity. She explained the surface anatomy of various major muscles with the help of portable ultra sound machine.



This was followed by live case discussion: Ms. Poonam Bajaj, Senior Neurophysical Therapist from Mumbai performed and taught evaluation of spasticity, pattern, synergy, and motor control in a patient with stroke with hemi paresis.



Dr. Vinay Goyal showed how to analyze, make goal and plan to inject Botulinum toxin in Upper limb muscles. Then Dr. Goyal performed live Botulinum toxin injection in the upper limb muscles. This was an interactive session with continuous dialogue between the delegates and the faculty. The delegates consisted of a mixed audience of neurologist, physiatrist, orthopaedic surgeons, physical therapist and occupational therapist.



Session 3-Live Workshop on Management of Lower Limb Spasticity

The workshop was chaired by Dr. Jimmy Lalkaka, Neurologist, Bombay Hospital and Dr Nirmal Surya, President IFNR. The first Speaker was Dr. Abhishek Srivastava, Neurorehabilitation specialist from Mumbai who spoke on the lower limb spasticity patterns, evaluation, goal setting and treatment approaches. Dr. Taral Nagda, Paediatric Orthopaedic Surgeon gave a overview of the surgical approaches in lower limb spasticity management and the role of ultrasound guidance in performing minimally invasive surgeries. This was followed by live case discussion: Ms. Roshan Wania, Senior Neurophysical Therapist from Mumbai performed and taught evaluation of spasticity, pattern, synergy, and motor control in a patient with stroke with Hemiparesis.



Dr. Srivastava did 2D gait analysis and taught basics of gait cycle, events, phases and how to analyze, make goal and plan to inject Botulinum toxin in lower limb muscles. Then Dr Srivastava performed live Botulinum toxin injection in the lower limb muscles. This was an interactive session with continuous dialogue between the delegates and the faculty. The delegates consisted of a mixed audience of neurologist, psychiatrist, orthopaedic surgeons, physical therapist and occupational therapist.



Session 4- Advance Neuro Technology in Neurorehab

This session was chaired by Dr. Abhishek Shrivastava, Rehab specialist from Mumbai and Dr. Sunil Narayan neurologist from Pondicherry. Dr. Sunil Narayan spoke on Transcranial Direct Current stimulation in Neurorehabilitation in patients following Head injury. It was a new topic for most of the delegates hence got their attention to a maximum. The delegates had quite a few questions which were answered to satisfaction by Dr. Sunil, Ashokan T, Professor, IIT madras spoke on the topic Robotics in Neuro Rehabilitation, again a very interesting topic which the medical world is unaware about the chairpersons at the end thanked the speakers and provided them a token of Appreciation.



Workshop held at MET 9th Floor (HALL B)

Session 1- Sensory Motor Rehabilitation in Paediatric Disability

The workshop on Sensory Motor Rehabilitation in Paediatric Disability was conducted on 10.00am to 11.30am. Around 40 delegates attended this workshop. Prof. Dr. Jyotika Bijlani Child development occupational therapist former Head of Occupational Therapy at Sion Hospital & KEM Hospital Mumbai and Dr. Samir Dalwai were in the chair & conducted the proceedings. It started with Dr. Asha Chitnis demonstrating the various techniques of sensory integration in children to the participants with the help of video presentations. SR. Orthotist Dr. P. S. Dantala from Mumbai demonstrated the various orthotic devices and mobility aids that are available for children and the ways in which they can be used to manage their disabilities. Dr. Sameer Dalwai demonstrated the various methods and the role of medications in the management of disabilities in the paediatric population. The workshop was very interactive with delegates asking questions and getting their doubts clarified from the experts.



Dr. Asha Chitnis



Dr. Sameer Dalwai



Dr. Avinash Prabhu

Session 2- Inter Professional Education & Practice in Neurorehabilitation

The workshop on Interprofessional Education & Practice In Neurorehabilitation was conducted on 31/3/2017 from 11.30am to 1,00pm in Hall B attended by about 40 delegates. Dr. John Solomon and Dr. Sharan Shrivastav were in the chair and conducted the proceedings. Dr. John Solomon demonstrated the Concept of Inter professional Education all the delegates were divided into 3 groups. Each group was given a different case situation to study and come out with a solution to demonstrate the importance of inter professional education in Neurorehabilitation. Dr. Avinash Prabhu ophthalmologist demonstrated the inter professional practice model in Neurorehabilitation and its importance, Dr. Abhishek Srivastava demonstrated the important steps in neurorehabilitation. There was good interaction between the delegates and the faculty who answered all the queries of the delegates to their satisfaction.



Dr. Ashima Nehra



Dr. Jamuna Rajan



Dr. Judith Underwood

Workshop held in ADAPT (HALL C)

Session 1- Rehabilitation in Neurodevelopmental Disorders

The IFNR 2017 workshop on rehabilitation in Neurodevelopmental disorders was held at ADAPT (formerly known as The Spastics Society of India) on March 31, 2017 from 10 am to 1.30 pm. The focus of this workshop was addressing the issues of children suffering from developmental disorders like Autism, Attention Deficit Hyperactive Disorder, Cerebral Palsy and Learning Disabilities. The speakers of the workshop were experts in childhood disorders who had worked extensively in the fields of paediatric neurology, psychiatry, special education and occupational therapy. Over 70 participants from varied disciplines (OT/PT/ST/Special Educators/Psychologists) and a few parents and school teachers also attended this half day workshop. The first speaker Dr. Anaita Hegde (Consultant Paediatric Neurologist) gave an overview of the various disorders and their neurological basis. Apart from highlighting the role of genetics in these developmental disorders, she strongly emphasized the role of environment in the formative years of the child in terms of nutrition and maternal care.



The second speaker Dr. Henal Shah (Professor, Learning Disability Clinic, Psychiatry Department Nair Hospital) stressed the importance of an early diagnosis and interventions based on a detailed psychological assessment, a good clinical history and qualitative observations. It is also necessary to take into account the co-morbidities and to rule out any confounding factors before intervention. The research carried out by her department highlighted the need to include and sensitize the school principals while spreading awareness among teachers and parents. The third presentation was by the ADAPT team covering all aspects of a holistic model of rehabilitation which includes psycho education and counselling of the family along with therapies like behaviour modification, perceptual training, vocational guidance, cognitive and life-skills training for the child. The fourth presentation by Dr Anjali Joshi (Consultant Occupational Therapist) using case studies described the 'red flags' for early identification and highlighted the role of sensory integration to improve cognition and to increase contact with the environment. In the last talk by Dr. Smita Desai (Consultant Educational Psychologist) the issues of low self-esteem, low self-confidence and depression in children with disabilities were raised. The interventions should aim at adaptation, acceptance and integration of special children into the society, and should be individualistic and tailored according to their different needs. Finally, in a panel discussion, questions were answered and the speakers highlighted the need of a trans-disciplinary approach wherein all professionals from different disciplines work closely together for the benefit of the child and the family. The workshop raised important concerns pertaining to assessment and rehabilitation of children with special needs. Neuro-rehabilitation is still in the nascent stage in a developing country like India and there has been an exponential rise in numbers of children having Neurodevelopmental problems. We face barriers in terms of lack of access, lack of finance and paucity of trained professionals. Early intervention is critical and a strong joint effort by dedicated professionals, families, schools, government and society at large will help reduce the burden of neuro developmental disabilities.

Session 2- Speech and Swallowing Workshop

The workshop on Speech & Swallowing was focussed on Progressive Neurological Disorders. It was scheduled in the afternoon session at Adapt. There were 42 participants registered for this workshop. The participants were from varied backgrounds such as OT, PT, ST and special educators; both students, young as well as experienced clinicians were included. The workshop chaired by Ms. Gayatri Hattangadi and comprised of 2 talks and a panel discussion. The first session was on the assessment and management of speech & swallowing difficulties in progressive neurological disorders by Dr. B.K. Yamini. The topic was discussed with the help of case illustrations and included various patient videos. This was followed by a talk on objective evaluation by Dr. Nupur Nerurkar, she discussed FEES in depth with a variety of videos. Her session was very informative. The last session was a panel discussion on enhancing quality of life in progressive neurological conditions. It was moderated by Ms. Gayatri Hattangadi and Ms. Zainab Nagree. The panellists were Dr. B.K. Yamini, Dr. Nupur Nerurkar and Ms. Sonal Chitnis. Various issues faced in the management affecting the quality of life were raised. The workshop was then concluded with question, comments and audience interaction.

Followed by the workshop, Dr. C.G. Prashanth, Physiotherapist from Dharwad spoke to the delegates on Aquatic Therapy in Neurorehabilitation. He underlined the benefits of aquatic therapy for patients following neurological disease. The delegates were shown videos of instruments and therapies which are used during aquatic therapy. Advantages of aquatic therapy as compared to traditional therapy were explained to the delegates.



Judith Underwood, Senior Occupational Therapist from United Kingdom, spoke to the delegates about Apraxia and also insight following Brain Injury. The lecture from an international faculty member was inspiring to the delegates. Urvashi Shah thanked her at the end of the lecture and provided a Token of Appreciation on Behalf of Team IFNR.



Inauguration Ceremony of IFNRCON 2017

Inauguration ceremony for the 5th Annual Conference was organized following the workshops at the end of the day, the guest on the dais included, the chief guest was Mr. Pankaj Bhujbal, Trustee Mumbai Education Trust (MET), Dr. Nirmal Surya, President IFNR, Dr. Abhishek Srivastava Secretary IFNR, Urvashi Shah and Dr. Deepak Palande, Treasurer IFNR and Judith Underwood. There was lighting of Lamp which was done and later Dr. Nirmal welcomed the chief guest with shawl.



Lighting of the lamp



Guest of Honour for the Inauguration Ceremony

A dance performance was done by the students of ADAPT welcoming the delegates for the conference. Judith Underwood provided a memento to all the dancers and thanked them, later Dr. Nirmal Surya spoke to delegates and welcomed them all.



Dance Performance by the students of Adapt

Day 2

Session 1

The first lecture of the day was started by the president of IFNR and WCNR 2018 Dr. Nirmal Surya, where he spoke on the journey of WCNR 2018, where he shared his experience and urged all to be a part of WCNR 2018 happening in Mumbai a very motivational speech. Second lecture of delivered by Dr. A.V. Srinivasan on the topic Sensory Modulation in Neurological Rehabilitation.



Symposium (I) Motor Neurone Disease

This session was chaired by Dr. M A Khan, Dr Nirmal Surya consultant Neuro physician Bombay hospital spoke on MND- Present Status on Management & Rehabilitation, the talk put light on te common MNDs and was really helpful to delegates, followed by this lecture, Dr Kapil Salgia consultant chest physician at Bombay hospital spoke on Respiratory Issue in MND and their management.



Following the two lectures a panel discussion where Shashi Oberai occupational therapist, Gayatri Hattangadi speech pathologist and Hemangi Sahane physical therapist discussed about various aspects of Neurorehabilitation in MND were discussed.

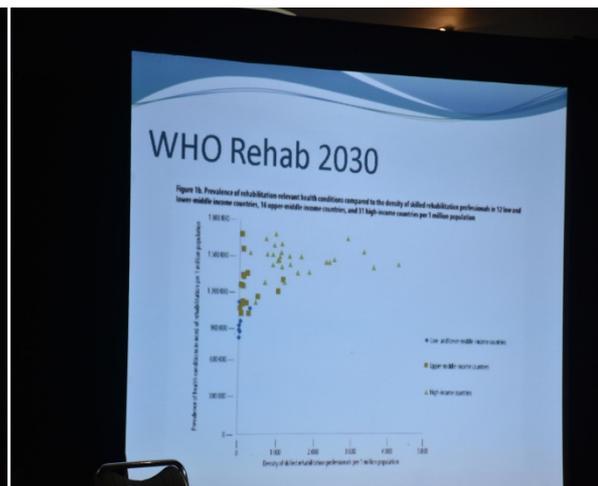


Session 2

Dr. Ashok Panagariya, neurologist from Jaipur, former vice chancellor of Rajasthan University of health science, delivered a lecture on Brain the remodelar for Longevity and Happiness.



There were two web seminar one by Prof. Leonard Li, president WFNR from Hongkong, he spoke on an International urge for development of Neurorehab.

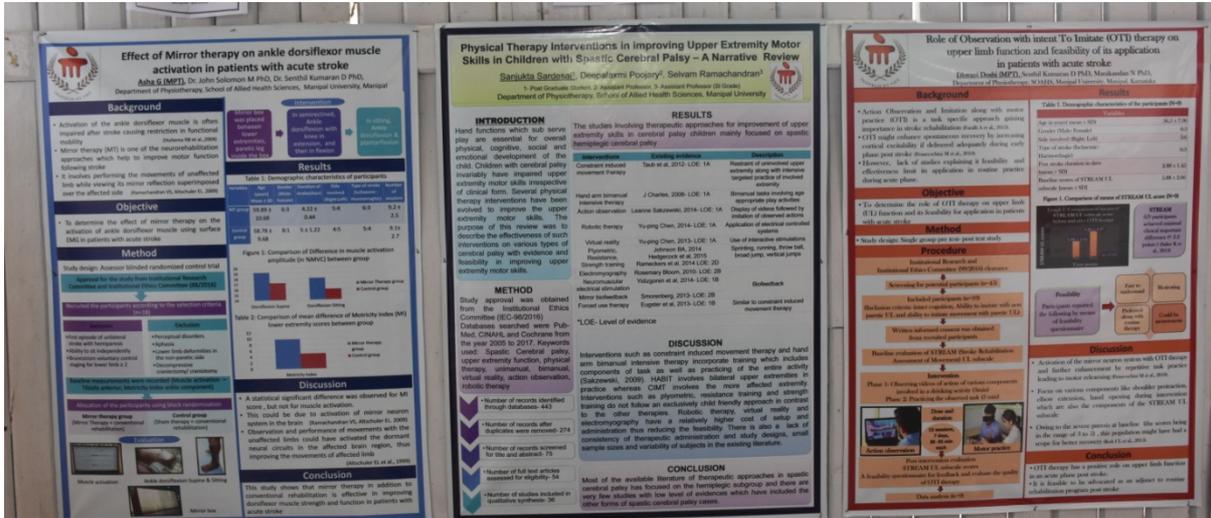
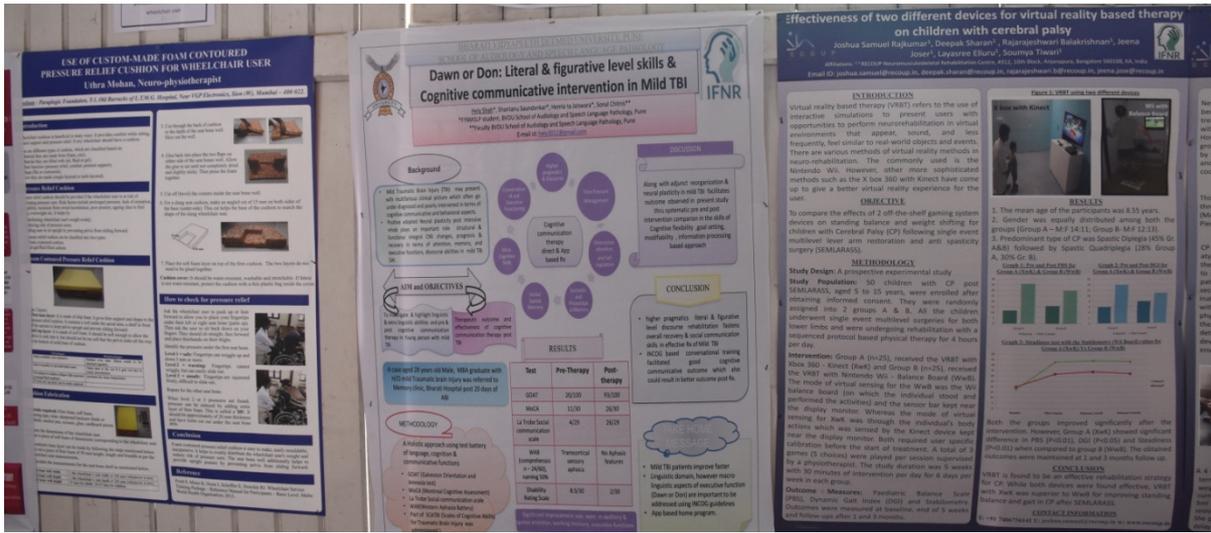


Prof. Nam Jong Paik form Korea who is the member of WFNR and president of AOSNR He spoke on Measuring Progress in Telerehabilitation. This session was chaired by Dr. A.V. Srinivasan.



Poster presentation

48 posters from different fields were shown as in the poster presentation area, the eminent names from the field of neurology interacted with the young budding talented Neurorehab specialist. It was an interactive lunch break for the delegates and faculty attending IFNRCON 2017. This presentation was judged by Dr. Shashi Oberai, occupational therapist Mumbai, Dr Sunil Narayan Neurologist, Dr. Sejal Upadhyay, physiotherapist from ahemdabad and Dr. Sharan Srinivasan, a neurosurgeon from Bangalore who runs a dedicated neurorehabilitation centre.



Symposium (II) Traumatic Brain Injury (TBI)

Dr. K. E. Turel consultant neurologist from Bombay hospital gave an insight on the Indian Scenario regarding traumatic brain injury, this was followed by a lecture from Dr. Dattatray Muzumdar, professor neurosurgery KEM hospital on the topic Neurosurgery in Golden Period following brain injury.



Dr. Raji Thomas, professor and head rehabilitation medicine, CMC Vellore gave a plan for Neurorehabilitation in patients of traumatic brain injury which had a healthy question and answer session with the delegates. The final lecture of the session was a light and fun filled lecture of Dr. J. S. Kathpal, a neurologist from Indore spoke on the effect of music therapy.



The panel discussion was a healthy discussion among different rehab specialist, Tarun Lala, Jyotsna Nadkarni and Urvashi Shah. This lecture was chaired by Dr. Sharan Srinivasan and Dr. Suresh Sankhla.



Symposium (III) Stroke ‘Multi Disciplinary Management

The session was chaired by Dr. M. M. Mehandiratta. the first lecture was delivered by Dr. Sunil Narayan neurologist, he spoke about Acute care in Stroke Patients, role of different rehab specialist in the acute phase of stroke. Followed by which Dr, Mahesh Kate, neurologist from Ludhiana spoke about various methods of stroke Rehabilitation.



Dr. Mahesh Kate



Dr. Sunil Narayan

Dr. Navita Purohit, interventional pain specialist from Kokilaben hospital spoke on the pain management in stroke. Hutoxi writer, physical therapist from Bombay, spoke on the interdisciplinary management for stroke rehabilitation, where she emphasized on the role of each therapist and the problems faced in today practice of interdisciplinary approach for rehabilitation.



Dr. Navita Purohit



Dr. Hutoxi writer

Dr. B. K. Yamini Speech therapist from Nimhans Bangalore spoke on the speech and swallowing difficulties faced by patient in stroke and their active management. The session was concluded by a panel discussion.

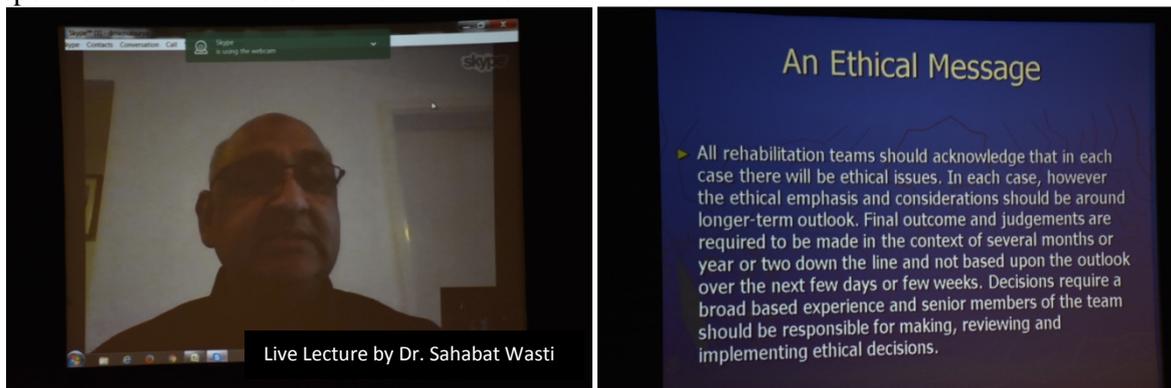


Dr. B. K. Yamini



Session 3

The first lecture was a web seminar by Dr, Sabahat wasti, consultant rehabilitation medicine UAE, spoke on the ethical consideration in Neurorehabilitation.



Dr. S. L. Yadav Professor Rehabilitation Medicine, AIIMS, New Delhi, spoke on the use of Phenol in Spasticity management, which was very interesting following a live workshop on the use of Botox in spasticity management. The last lecture was given by Dr. Paresh Doshi, on the recent advances in the field of Neuro Surgery where he discussed a case of patient suffering from autism. This session was chaired by Apoorva Pauranik and Dr. Paresh Doshi.



The last part of this day was the Gandhi Scholarship, In all 33 participants had applied for Gandhi Scholarship which was provided by Gandhi foundation Jalgaon and IFNR, and a total 10 participants were awarded Rs.8500 cheque for their contribution in the field of Neuro rehabilitation. It was judged by Dr. Deepak Palande, Dr. Sharan Srinivasan and Urvashi shah.



The following are winners for Gandhi Scholarship: Uthara Mohan, Pratiksha Rao, Chaitrali Pavanaskar, Harsimarpreet Kaur, Jyotsna Gaikwad, Kinjal Jain, Joshua Samuel, Priyanka Mehta, Ashish Kasbe & Mitali Thakkar

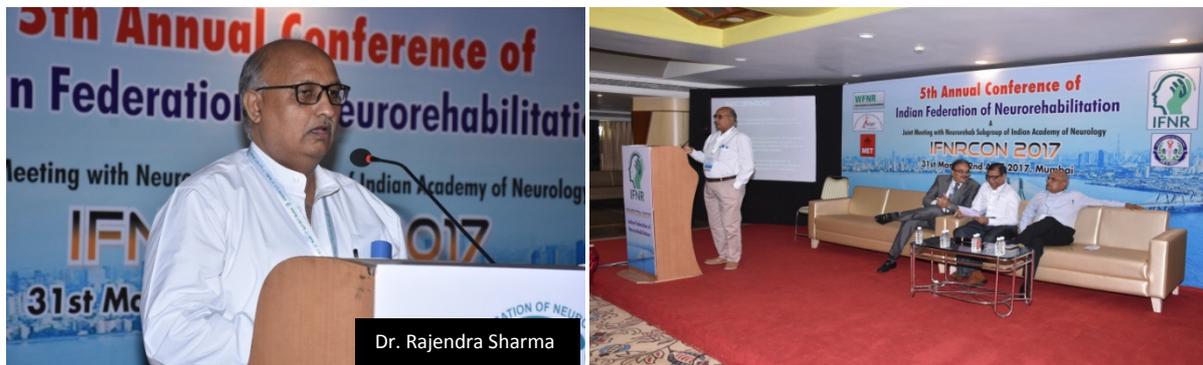
Day 3

Symposium (IV) Disability Evaluation Need & PWD Act

The symposium was chaired by Prof. R. K. Srivastava Ex director and co-chaired by Prof. A. K. Sinha director AYJNIHH Mumbai. As a curtain raiser, Prof Surya presented a very strong case for neurologists to know, learn and develop expertise for disability evaluation and certification, more in light of Revised PWD Act, which included neurological conditions like Parkinson Disease, chronic neurological disorder etc within the expanded list of disability.



Dr. Rajendra Sharma, Director AIPMR, Mumbai detailed the history of disability evaluation in India starting from 1981, leading to development, governmental approval, and practice of Manual for Assessment of Permanent physical Impairments all over India., its various amendment, WHO ICF manual, and the present demand posed by RPWD .He was able to put before the participants the need of training for practice of disability evaluation.



Prof. Anupam Gupta gave details of right-based approach as recommended in UNCRPD and tried to reflect it in RPWD Act through the various sections therein. Equal opportunity and social justice as right of every PWD is essential. Dr. Shabnam Rangwala spoke on the social prospective issues based on the new PWD act. She was able to convey the pros and cons based on the social prospective the new PWD act would have on the society.



Prof. Sharan Srinivasan was able to showcase the value of understanding the myths around brain injury induced disability, so that issues raised in court of law are justifiably explained, thus maximizing benefit to such disabled patients. He was able to emphasize the role and relevance of neuro-professional in disability evaluation.



Dr. Sharan Srinivasan

Prof. A. K. Sinha gave a detailed perspective about action taken by govt to revise the PWD Act and the ongoing processes in DoDA for its implementation. He further highlighted about the Speech and Hearing Disability and the plan proposed for its implementation as per RPWD Act.



Dr. A. K. Sinha

Prof. R. K. Srivastava finally summarized the proceedings of symposium with emphasis that the present manual is going to be revised soon and professional bodies like this will be required to play very active role.



Team of speakers along with chairperson and co chairperson.

Symposium (V) Spinal Cord Injury ‘MTD’

Symposium on spinal cord injuries was held on 2/4/2017 from 10.30am to 12.00noon with about 100 delegates in attendance. Symposium was Chaired by Prof. Dr. Rajendra Sharma Director AIIPMR Haji Ali Mumbai and Dr. Navita Purohit, Consultant Pain Management Kokilaben Dhirubhai Ambani Hospital Mumbai. The panelists were experts with vast experience. Dr. A. K. Mukherjee Director General & Member Board of Governors Indian spinal cord injuries centre gave an excellent overview on spinal cord injuries in India. This was followed by a talk on Pressure Ulcer Management by Prof. Dr. Anil Gaur HOD (PMR) & Deputy Director AIIPMR Haji Ali Mumbai. He talked in details on the various methods of managing the pressure sores in patients with spinal cord injuries including surgical management.



Dr. A. K. Mukherjee



Dr. Anil Gaur

This was followed by talk on Neurogenic Bladder Management by Prof Dr. Ajay Gupta Professor Dept. of PMR Vardhaman Mahavir Medical college & Safdarjang Hospital, New Delhi. He spoke in great details about the conservative as well as the surgical management. The other panelist Mr. P.S. Dantala sr. Orthotist & Prosthetics Mumbai spoke on the various types of wheel chairs and Orthotic Devices available for mobilizing patients with spinal cord injuries. The last panelist Prof. Dr. Odette Gomes, Head of Occupational Therapy, Topiwala National Medical College & Nair Hospital Mumbai spoke on the role of occupational therapy and methods used in rehabilitation of patients with spinal cord injuries.



Dr. Ajay Gupta



Dr. P.S. Dantala



Dr. Odette Gomez



During discussion the importance of psychologist was highlighted as psychological rehabilitation is an important aspect of spinal cord injuries as most of the patients are psychologically depressed. The other issue which came up was the role of stem cell in Spinal Cord Injury management. The panelist informed that at present it is still under trial and not yet approved for treatment of spinal cord injuries. The symposium was moderated by Dr. D. A. Palande Retd. Prof & Head Dept, of Neurosurgery, Grant Medical College & Sir JJ Hospital, Mumbai & Director IFNR. He thanked the Chair persons & all the panelists and speakers for participating in the symposium which definitely helped in upgrading the knowledge of the delegates in the management of spinal cord injuries.



Invited Speakers session and Free Paper session.

A few Neuro Rehab specialist were invited to speak on their new concepts in the field of neuro rehabilitation. The session was chaired by Odette Gomez. Impaired Self-Awareness after Brian Injury By Shradha Shah, Application of virtual reality technology in rehabilitation by Anuja Darekar, Effect of a minimally invasive, surgery on cerebral palsy by Deepak Sharan, these lectures were important pertaining to the recent advances in the respective field. A few platform papers were presented by students in Neurorehabilitation, Activity limitation, Participation restriction and Community re-integration among stroke patients by Mansi Soni physiotherapist, Exploration of hamstring tendon length in crouch gait of children with cerebral palsy by Rajani Mullerpatan Neuro physiotherapist & Exploring Executive Functions in Cognitively Healthy Individuals versus Individuals with Stroke: A Preliminary Study by christen Samuel, speech pathologist.



Ms Shradha Shah



Dr. Anuja Darekar



Dr. Deepak Sharan

Closing Ceremony and valedictory ceremony

The closing ceremony took place at MET Bandra, the guest on the dais included Dr. Vijay Page, Director General, MET. Dr. Nirmal Surya, President IFNR, Dr Abhishek Srivastava, Secretary IFNR, Dr Deepak Palande Treasurer IFNR, and Dr Urvashi Shah, Chair Gandhi Scholarship IFNR



Dr. Vijay Page

Dr. Nirmal Surya welcomed all the dignitaries on the stage with a bouquet of flower and shawl. Later the winners of the poster presentation were announced and a cash prize of 10000rs to Asha Rao, 5000rs to Aniket Pande and 3000rs to Ankita Bhutada were awarded to the 1st, 2nd and 3rd place respectively. A cash prize of 1100rs was awarded to Shraddha shah, Payal and Dinesh Chavan for their posters as an appreciation and boost to improve the research design.



Asha Rao



Dr. Aniket Pande



Ankita Bhutada



Dinesh Chavan



Payal



Shraddha Shah

At last Dr. Nirmal Surya thanked all for being a part of IFNRCON 2017 and urged everyone to be a part of the WCNR2018 and also submit their research work as an abstract for the congress.

