Scientific Program

Friday, 14th September 2012

8.00-09.15: Registration of participants

09.15-09.30: Opening speeches of the organizing committee

Session 1: Progress in preoperative diagnostic evaluation

Chairmen: Sumit Sinha (Delhi, India), Roberto Gasparotti (Brescia, Italy), Debora Garozzo (Rovigo, Italy)

09.30-10.00: The role of 3D MRI in brachial plexus injuries. New progress with neurography and DTI – Roberto Gasparotti (Brescia, Italy)

10.00-10.15: Diagnostic Value of MRI in the management of adult patients with non-avulsive traumatic brachial plexus injuries – Simonetta Gerevini (Milan, Italy)

10.15-10.25: MRI in obstetrical plexus injuries- Simonetta Gerevini (Milan, Italy)

10.25-10.35: Discussion

10.35-10.50: Coffee break
Session 2: Factors influencing surgical reinnervation

Chairmen: Ashok Mahapatra (Delhi, India), Guido Staffa (Lugo di Romagna, Italy), Xu Wen Dong (Shanghai, China)

10.50-11.05: A cadaveric micro-anatomic study of intra-fascicular topography of brachial plexus- Sumit Sinha (Delhi, Italy)

11.05-11.15: Neuropathology of nerve roots- Jorg Bahm (Aachen, Germany)

11.15-11.30: Which factors are influencing postsurgical reinnervation in brachial plexus injuries?- Daniel Kim (Houston, Texas-USA)

11.30-11.40: Tissue Engineered Guiding Regenerative Gel for Recovery of Peripheral Nerve Injury with Massive Loss Defect- Shimon Rochkind (Tel Aviv, Israel)

11.40-11.50: Discussion

Session 3: Causative mechanisms: gunshot injuries

Chairmen: Jorge Clifton Correa (Guadalajara, Mexico), Shimon Rochkind (Tel Aviv, Israel), Lukas Rasulic (Belgrade, Serbia)
11.50-12.05: Indication to treatment and surgical strategy in gunshot injuries - Jorge Clifton Correa (Guadalajara, Mexico)

12.05-12.20: Surgical treatment and results in shrapnel/gunshot injuries - Shimon Rochkind (Tel Aviv, Israel)

12.20-12.30: Surgical treatment of gunshot injuries in our experience - Ridvan Alimehmeti (Tirana, Albania)

12.30-12.40: Treatment of pain in gunshot injuries - Lukas Rasulic (Belgrade, Serbia)

12.40-12.50: Discussion

12.50-14.00: Lunch

Session 4: Planning the surgical strategy

Chairmen: Lao Jie (Shanghai, China), Daniel Kim (Houston-Texas, USA), Sandeep Vaishya (Delhi, India)

14.00-14.25: Priorities in nerve reconstruction:
  - The patients’ point of view (10’) - Micaela Cavallari (APLI-Italian association of patients with a brachial plexus injury)
  - The surgeon’s point of view (15’) - Tu Yuan Kun (Kaoshiung, Taiwan)

14.25-14.40: Management strategy in brachial plexus injuries - Aditya Gupta (Delhi, India)
14.40-14.50: Management in C5, C5-C6, C5-C7 injuries. 
_ P.S. Bhandari (Delhi, India)_

14.50-15.05: Should we resort to direct neurotization whenever possible and give up anatomical reconstruction by means of nerve graft as first choice?—
_ Stefano Ferraresi (Rovigo, Italy)_

15.05-15.15: Is surgical exploration of the brachial plexus always necessary?— _Debora Garozzo (Rovigo, Italy)_

15.15-15.30: Dilemmas in management of brachial plexus injuries— _Sumit Sinha (Delhi, India)_

15.30-15.45: Sensory reinnervation in brachial plexus surgery— _Sandeep Vashiya (Delhi, India)_

15.45-16.00: Management of hand function in adult brachial plexus injuries— _Mikhail L. Novikov (Yaroslav, Russia)_

16.00-16.10: Brachial plexus injuries in third world countries.— _Sandeep Vashiya (Delhi, India)_

16.10-17.30: Presentations of patients and discussion on the surgical strategy
Saturday 15th of September 2012

Session 5: Total brachial plexus palsies: Contralateral C7

Chairmen: Lao Jie (Shanghai, China), Tu Yuan-Kun (Kaoshiung, Taiwan), Chen Liang (Shanghai, China)

8.15-8.30: Our 25-year experiences of contralateral C7 nerve transfer - Zhang Cheng Gang (Shanghai, China)

8.30-8.40: Contra-lateral Cervical spine C7 transfer for brachial plexus injury - Tu Yuan-Kun (Kaoshiung, Taiwan)

8.40-09.10: The Italian experience with contralateral C7 transfer:
- Intraoperative neurophysiological monitoring to harvest contralateral C7 in safety (10’) - Piero Di Pasquale (Rovigo, Italy)
- Surgical microreconstruction with contralateral C7 and results (20’) - Debora Garozzo (Rovigo, Italy)/Guido Staffa (Lugo di Romagna, Italy)

9. 10-9.25: Contralateral C7: the experience with the prespinal way - Wang Shu Feng (Beijing, China)

9.25-9.40: Contralateral C7 transfer via the prespinal and retropharyngeal route to repair C6 and C8 for patients with total brachial plexus root avulsion - Xu Lei (Shanghai, China)
9.40-9.50: Contralateral C7 transfer to lower trunk via a subcutaneous tunnel across the anterior surface of chest and neck for total root avulsion of the brachial plexus: a preliminary report - Wang Tao (Shanghai, China)

9.50-10.05: Reinnervation of thenar muscle after repair of total brachial plexus avulsion injury with contralateral C7 root transfer: report of five cases.- Lao Jie (Shanghai, China)

10.05-10.20: Outcome of partial contralateral C7 nerve transfer: results of 46 patients- Lao Jie (Shanghai, China)

10.20-10.30: What do we know about the cortical control in contralateral (C7) transfers?- Jorg Bahm (Aachen, Germany)

10.30-10.40: Change of activated area of the brain cortex after CC7 operations- Ryosuke Kakinoki (Kyoto, Japan)

10.40-10.50: An Electrophysiological Study of the Dominant Motor Innervation to the Extensor Digitorum Communis Muscles and Long Head of Triceps Brachii at Posterior Divisions of Brachial Plexus- Wen-Jun Li (Beijing, China)

10.50-11.15: Discussion

11.15-11.30: Coffee break

Session 6 : Nerve Transfers
Chairmen: Xu Lei (Shanghai, China), Ashok Kumar Gupta (Delhi, India), P.S. Bhandari (Delhi, India)

11.30-11.40: Results of shoulder abduction reconstruction in brachial plexus avulsion injuries with double neurotisation from one Spinal Accessory Nerve - Fok-Chuan Yong (Singapore, Singapore)

11.40-11.50: External rotation after using spinal accessory nerve neurotization in C5 and C6 brachial plexus injury. Xochitl Velazquez Arroyo (Torreon, Mexico)

11.50-12.00: Axillary nerve repair from ulnar or median nerve by fascicular transfer or end-to-side neurorrhaphy. Pavel Haninec (Prague, Czech Republic)

12.00-12.10: Selective Neurotization of the Radial Nerve in the Axilla Using a Full-Length Phrenic Nerve to Treat Complete Brachial Plexus Palsy: An Anatomic Study and Case Report - Yang Jianyun (Shanghai, China)

12.10-12.25: Our strategy in treating C7-T1 brachial plexus palsies - Dong Zhen (Shanghai, China)

12.25-12.40: Nerve transfer combined with tendon transfer techniques in treatment of C7-T1 palsies. - Zhang Cheng Gang (Shanghai, China)

12.40-12.50: Contralateral Spinal Accessory nerve transfer to Supraescapular nerve in panavulsive brachial plexus palsy and injured Spinal Accessory nerve. - Jesus Jaime
Zermeño Rivera (Guadalajara, Mexico)

12.50-13.00: Surgical treatment of adult brachial plexus traumatic lesions: our results for elbow and shoulder function repair. Alberto Alexandre (Treviso, Italy)

13.00-13.30: Discussion

13.30-14.45: Lunch

Session 7: The use of free muscle transfer

Chairmen: Tu Yuan Kun (Kaoshiung, Taiwan), Wang Shu Feng (Beijing, China), Lao Jie (Shanghai, China)

14.45-15.15: Free muscle transfer: surgical technique and results - Tu Yuan Kun (Kaoshiung, Taiwan)

15.15-15.25: Contralateral nerve transfers in combination with free-functional muscle transfer - Franz Lassner (Aachen, Germany)

15.25-15.40: Discussion

Session 8: Cortical plasticity after brachial plexus injuries

Chairmen: Xu Wendong (Shanghai, China), Daniel Kim (Houston, Texas-USA), Aditya Gupta (Delhi, India)
15.40-15.50: Cortical plasticity following neurotization for brachial plexus injury : AFMRI and DTI study.- Indira Devi Bhagavatula (Bangalore, India)

15.50-16.00: Cortical Plasticity after BPAI and Contralateral C7 Nerve Transfers: Experimental and Clinical Image Studies - Xu Wendong (Shanghai, China)

16.00-16.10: Peripheral nerve crossing treats the spastic upper extremity caused by central neurological injury – Xu Wendong (Shanghai, China)

16.10-16.30: Discussion

Session 9: Palliative procedures

Chairmen: Alain Gilbert (Paris, France), Idris Gharbaoui (Houston, Texas-USA), Jorg Bahm (Aachen, Germany)

16.30-16.40: Results of shoulder arthrodesis as a secondary procedure in complete brachial plexus palsies- Gustavo Nizzo (Buenos Aires, Argentina)

16.40-16.50: Shoulder arthrodesis and biceps plication as opposed to muscle transfer in adult brachial plexus injuries- Bharat Khadadi (Bangalore, India)

17.00-17.15: Discussion
Sunday 16th September

Session 10: Post-traumatic brachial plexus injuries in children and anatomical notes correlating to obstetrical palsies

Chairmen: Alain Gilbert (Paris, France), Ashok Mahapatra (Delhi, India), Chen Liang (Shanghai, China)

8.30-8.45: Brachial plexus injuries in children- Ashok Mahapatra (Delhi, India)

8.45-8.55: Constituent ratio of motor fibers of the C5,C6, C7 spinal nerves in the radial nerve is more in pup rats than in adult ones- Chen Liang (Shanghai, China)

8.55-9.00: Semi-Quantifying of Components of the C7 Spinal Nerve in the Upper and Lower Subscapular Nerves Innervating the Subscapularis and Its Clinical Implications in Erb’s Palsy - Chen Liang (Shanghai, China)

9.00-9.10: Discussion

Session 11: Planning the surgical strategy and its timing in OBBP

Chairmen: Alain Gilbert (Paris, France), Stefano Ferraresi (Rovigo, Italy), Jorg Bahm (Aachen, Germany)

9.00-9.10: Surgery of C5-C6 injuries if the biceps is lacking at three months of age: are we sure it is the right choice? Stefano Ferraresi (Rovigo, Italy)


9.30-9.40: Late cases with slow recovery of elbow flexion and shoulder abduction/extrarotation: selective boost neurotization or complete reconstruction? - Stefano Ferraresi (Rovigo, Italy)

9.40-9.50: The posterior cord syndrome: how to restore triceps function in the child without triceps, supinated hand (no or weak finger and wrist extension) and external rotation contracture? - Stefano Ferraresi (Rovigo, Italy)

9.50-10.00: Early versus late brachial plexus reconstruction in OBPP - Mohamed Kotb (Luxor, Egypt)

10.00-10.45: Discussion

10.45-11.00: Coffee break

Session 12: Notes on surgical technique and results

Chairmen: Mohamed Kotb (Luxor, Egypt), Jorge Clifton Correa (Guadalajara, Mexico), Jorg Bahm (Aachen, Germany)
11.00-11.10: External rotation after using spinal accessory nerve neurotization in C5 and C6 brachial plexus injury. Jorge Clifton Correa (Guadalajara, Mexico)

11.10-11.20: Results of intercostals nerves-Mohammed Kotb (Luxor, Egypt)

11.20-11.30: Results of intercostal nerve transfer to the musculocutaneous nerve in brachial plexus birth palsy-Chen Liang (Shanghai, China)

11.30-11.40: Recovery of hand function after microreconstruction- Mohammed Kotb (Luxor, Egypt)

11.40-11.50: Results of tendon transfers for wrist and fingers extension after complete palsy- Alain Gilbert (Paris, France)

11.50-12.00: Free gracilis transfer in obpp children- Jorg Bahm (Aachen, Germany)

12.00-12.30: Discussion

Session 13: Dealing with obstetrical palsies sequelae and rehabilitation

Chairmen: Alain Gilbert (Paris, France), Idris Gharbaoui (Houston, Texas-Usa), Jorg Bahm (Aachen, Germany)

12.30-12.55: Shoulder contractures in Birth Brachial Plexus Palsy: pathophysiology, assessment and classification- Idris Gharbaoui (Houston, Texas-Usa)/ Jorg Bahm (Aachen, Germany)
12.55-13.10: Surgical release of shoulder contractures in Birth Brachial Plexus Palsy - Idris Gharbaoui (Houston, Texas, USA)

13.10-13.25: The state of the art of physiotherapy for children affected with Obstetrical Brachial Palsy Lesion: a retrospective study on the cases 2005-2010 at Meyer Children's Hospital. Florence, Italy - Ambra Galante (Florence, Italy)

13.25-13.40: Discussion

13.40: End of the meeting