International Scientific-Practical Course

Diseases and injuries of vertebral column: evaluation, treatment, and rehabilitation
October 27-28, 2011

Co-Chairmen: Prof. A.K. Dulaev, Head of the Department of traumatology, orthopedics, and vertebrology of Research Institute of Emergency Aid n. a. I.I. Djanelidze, Chief of the Chair of traumatology and orthopedics of Saint Petersburg Medical University n. a. Academician I.P. Pavlov, Russia, H.J.M. van Kuppevelt, the Netherlands

October 27

10.00 Course opening. A.K. Dulaev, Russia, H.J.M. van Kuppevelt, the Netherlands

Breakup Group Surgical treatment and early rehabilitation of diseases and injuries of vertebral column and spinal cord
Moderators: Prof. A.K. Dulaev, H.J.M. van de Meent, MD, PhD, the Netherlands

Urgent spine surgery: a new trend in surgical vertebrology

10.35-10.55 van de Meent H., Nijmegen Universitary centre St Radboud. Nijmegen, the Netherlands
Acute phase management in SCI

Discussion 10.55-11.05

Break 11.05-11.30

11.30-11.50 Manukovsky V.A. Central Military Clinical Hospital n. a. A.A. Vishnevsky, Moscow
Percutaneous fixation in the diseases and injuries of vertebral column

11.50-12.10 Yundin V.I. City clinical hospital no. 19, Moscow
Treatment of patients in the late period of SCI: surgery, rehab, outcomes

Discussion 12.10-12.20

12.20-12.40 Shulyov Yu.A. Medical Academy of Postgraduate Education, Saint Petersburg
Specialized treatment of diseases and injuries of craniovertebral articulation

12.40-13.00 Konovalov N.A. Scientific Research Institute of Neurosurgery n. a. N.N. Burdenko, Moscow
Advanced techniques and algorithms of evaluation and surgical treatment of degenerative diseases of lumbosacral spine

Discussion 13.00-13.10

Lunch break 13.10-14.00

14.10-14.30 Dotsenko V.V., Abakirov M.J., Zagorodny N.V. CITO n. a. N.N. Priorov, United Hospital at RF President Administration, Moscow
Recurrent operations for degenerative diseases of lumbosacral spine

14.30-14.50 Rudenko V.V. Russian Research Institute of Traumatology and Orthopedics n. a. R.R. Vreden, Saint Petersburg
Comparative analysis of the outcomes of operative treatment of degenerative defects of lumbar spine in the young and elderly patients

Discussion 14.50-15.00

Breakup Group Correction of complications of diseases and injuries of vertebral column and spinal cord
Moderators: Prof. Yu.A. Shulyov, Russia, C. Kiekens, MD, Belgium

15.00-15.20 Kiekens C., University hospital Pellenberg, Leuven, Belgium
Complications related to bone and bone metabolism in SCI

15.20-15.40 Nadulich K.A. Military Medical Academy n. a. S.M. Kirov, Saint Petersburg
Correction of posttraumatic kyphotic chest in patients with thoracic spine

15.40-16.00 Snoek G., Rehab centre 'Het Roessingh, Enschede, the Netherlands
Spasticity regulation in SCI

Discussion 16.00-16.10

Break 16.10-16.40

16.40-17.00 Trapeznikov A.V., Yushkin A.S., Nadulich K.A., Maltsev S.I., Sanatorium “Duny”, Military Medical Academy n. a. S.M. Kirov, Saint Petersburg
State-of-the-art and perspectives of rehabilitation of patients after surgical treatment of spinal injuries and diseases at the health resorts of North-Western Russia

17.00-17.20 Glas A., UMC St Radboud, Dept. of Urology, Nijmegen, the Netherlands
Urologic problems in SCI

17.20-17.40 van Kuppevelt H.J.M., Rehab centre St Maartenskliniek, Nijmegen, the Netherlands
Male and female fertility and sexuality in SCI
17.40-18.00 Glas A., UMC St Radboud, Dept. of Urology, Nijmegen, the Netherlands
Treatment of UMN bladder problems in SCI

Discussion 18.00-18.10

October 28

Breakup group Pathogenesis and evaluation of diseases and injuries of spinal cord
Moderators: Acad. A.A. Skoromets, Prof. V.E. Parfyonov, Russia, G. Snoek, MD, PhD, the Netherlands

10.00-10.20 Mushkin A.Yu., Shapkova E.Yu., Kuklina S.A. Saint Petersburg Research Institute of phthisiopulmonology, Saint Petersburg
Clinical-radiologic and neurophysiologic comparison in vertebrogenous myelopathy in children

10.20-10.40 Dudin M.G., Pinchuk D.Yu. Rehabilitation Center of Pediatric Orthopedics and Traumatology “Ogonyok”, Saint Petersburg
Pathogenesis of idiopathic scoliosis

10.40-11.00 Ulrikh E.V. Saint Petersburg State Pediatric Medical Academy, Saint Petersburg
Split spinal cord syndrome: manifestations, evaluation, and treatment

Discussion 11.00-11.10

Break 11.10-11.30

11.30-11.50 Skoromets A.A., Aliev K.T. State Medical University n. a. Academician I.P. Pavlov, Saint Petersburg
Spondylogenic adiculomyeloischemia: pathogenesis, clinical picture, and treatment

11.50-12.10 Kiekens C., University hospital Pellenberg, Leuven, Belgium
Long term multidisciplinary approach in adult spina bifida

12.10-12.30 Snoek G., Rehab centre ‘Het Roessingh, Enschede, the Netherlands
Upper extremity in tetraplegia: primary and surgical rehabilitation

Discussion 12.30-12.40

12.40-12.00 Slootman H., Rehab centre Heliomare, Wijk aan Zee, the Netherlands
ASIA criteria

Lunch break 13.00-13.50

Advanced neurodiagnostic techniques in the treatment and rehabilitation of patients with the injuries and diseases of vertebral column and spinal cord

14.10-14.30 Vishnevsky A.A. Saint Petersburg Research Institute of phthisiopulmonology, Saint Petersburg
Neurophysiologic algorithm of evaluation of patients with diseases and injuries of vertebral column

Discussion 14.30-14.40

14.40-15.00 van de Meent H., Nijmegen Universitary centre St Radboud. Nijmegen, the Netherlands
A prediction rule for walking after SCI

15.00-15.20 Slootman H., Rehab centre Heliomare, Wijk aan Zee, the Netherlands
Functional outcomes by lesion level in SCI

Discussion 15.20-15.30

Breakup Group Innovation techniques in the rehabilitation of patients after diseases and injuries of spinal cord
Moderators: Prof. S.G. Shcherbuk, Russia, S. Langeveld, PhD, the Netherlands

15.30-15.50 Langeveld S., Rehab centre de Hoogstraat, Utrecht, the Netherlands
Multidisciplinary therapeutic interventions in SCI. Conventional training and use of new technology in SCI rehabilitation

15.50-16.10 Shapkova E.Yu. Saint Petersburg Research Institute of phthisiopulmonology, Saint Petersburg
Methods for electric stimulation of spinal cord aimed at reconstruction of motor functions in spine diseases and injuries

16.10-16.30 van Kuppevelt H.J.M., Rehab centre St Maartenskliniek, Nijmegen, the Netherlands
The use of the Locomat in spinal cord injured persons

Discussion 16.30-16.40

Break 16.40-16.50

16.50-17.10 Sarana A.M. City Hospital no. 40 of Resort Administrative District, Saint Petersburg
Robotic-aided mechanotherapy in patients with diseases and injuries of spinal cord

17.10-17.30 Makarova M.R. Medical Rehab Center of the Ministry of Health and Social Development of Russia. Moscow
Currency of application of trainers in the rehabilitation of SCI patients
Discussion 17.30-17.40

Course closing. Issue of certificates