THE NATIONAL CONFERENCE OF NEUROSURGERY AND NEUROREHABILITATION

With International Participation
- 2nd Edition -

FINAL PROGRAM
and
ABSTRACT BOOK

Under the high patronage of the:
- Romanian Medical Academy of Sciences
- Romanian Medical Association
- World Federation of Hydrotherapy and Climatology

MAMAIA
9–12.09.2009
MAIN TOPICS:

1. New achievements in the diagnosis and treatment of Severe Brain Injury (SBI), in children
2. Actual neurosurgical and neurorehabilitative approaches in neurotrauma, including post discharge long term follow up
3. Important nevraxial vasospasm complications: diagnosis, neurosurgical/pharmacological therapies and neurorehabilitation
4. Novelties in the diagnostics and treatment in Spinal Cord Injury (SCI) and neurogenic bladder, including assistive/rehabilitative and/or advanced technologies
5. Varia/Miscellaneous-Free papers

* According to general usages, the Scientific and Organizing Committees, working in concert for optimal – content balance & time schedule – framing within the Conference aggregate, had the liberty to finally decide regarding the form of presentation & positioning for each accepted, submitted paper

** All accepted papers and re-submitted in extenso, according to the Editor’s template/standards, will be – as previously announced – published in a “Proceedings” dedicated supplementary volume of the “Industria textilă” journal and will be sent to the Institute for Scientific Information (ISI), Philadelphia, USA – as the above mentioned magazine is ISI Thomson quoted.
Dear guests/fellows,

We hope you remember the 1st National Conference of Neurosurgery and Neurorehabilitation with International Participation, held in June, 2007, in the beautiful Spa of Ocna Sibiului – resort sited in the central part of Romania. The great success of such a complex, interdisciplinary scientific reunion – as imposed by the modern trends – we organized in premiere, gave us the motivation to go on and thus, we now have the honor to herein officially announce you that, at the beginning of he next fall, there will take place the 2nd edition of the National Conference of Neurosurgery and Neurorehabilitation, with International Participation.

We decided to change the location because Romania has many Spas, both beautiful and skilled in (including Neuro-)Rehabilitation. Accordingly, this 2nd edition will offer the partakers the opportunity to spend a few days by the Romanian Black Sea coast, in its most well-known maritime resort – Mamaia – at Rex hotel.

We also enlarged the topics area, for a better coverage of the fast accumulating novelties in our targeted common medical and scientific field.

So, under these stimulating auspices we warmly invite you to join us in a hopefully, balanced distinguish scientific and social program, as well.

Presidents of the Conference
THE NATIONAL CONFERENCE OF
NEUROSURGERY AND NEUROREHABILITATION

PRESIDENTS:
Prof. Gelu Onose, MD, PhD – President of RoSNeRa and RoSCoS
PhD, Eng. Emilia Visileanu – Director of the NIRDTL (INCDTP)
Prof. Petru Bordei, MD, PhD – Dean of the Faculty of Medicine within Ovidius University, Constanța
Prof. Alexandru Vladimir Ciurea, MD, PhD – Honorary President of RSN, RoSNeRa and RoSCoS; Vice President of WFNS
PhD, Eng. Ștefan Tudor Crăciunoiu – Director of the the RTDIM (ICTCM)

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Anca-Sanda Mihăescu, Senior Therapist – RoSNeRa and RoSCoS

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Elena Ionescu, MD
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HONORED GUESTS / INVITED SPEAKERS:
Prof. Stephanie Clarke, PhD – President elect of WFNR, Head of Neuropsichology and Neurorehabilitation Service of Nestlé Hospital, Lausanne, Switzerland

Prof. Volker Hömberg, MD, PhD – Secretary General of WFNR, Medical Director of St. Mauritius Therapieklinik, Meerbusch, Germany

Prof. Klaus von Wild, MD, PhD – Treasurer of WFNR, Professor – Medical Faculty of the University from Münster, Germany

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Prof. Umberto Solimene, MD, PhD – Secretary General of FEMTEC – Director of Collaborating Centre for Traditional Medicine of the World Health Organisation, (Italy)

Prof. Constantin Ionescu-Târgoviște, MD, PhD – President of Romanian Medical Association, Head of the Diabetus Melitus and Nutrition Diseases Division and Chair „N.Paulescu” Institute, Bucharest, Romania

Prof. Alexander Razoumov, MD, PhD – Director „All Russia Scientific Research Centre for Restorative and Resort Medicine”, Full member of Russian Academy of Medical Sciences, Russia

Prof. Florana Menendez, MD, PhD – Vicepresident of FEMTEC, in charge for all Latin America (Cuba)
THE NATIONAL CONFERENCE OF NEUROSURGERY AND NEUROREHABILITATION

FINAL PROGRAM

Pre-Conference Training Courses
To be held at “Grand Hotel Rex”, Hall A

Tuesday, 08.09.2009

14.00-14.50
Assoc. Prof. O. Surdu, MD, PhD
„Functional electrostimulation of spastic muscles”

15.00-15.50
Assoc. Prof. Marian Poboroniuc, Eng., PhD
„Walk recovery in spastic patient using ODFS III neurostimulator”

16.00-16.50
Assoc. Prof. Marian Poboroniuc, Eng., PhD
„Shoulder mobility recovery in spastic patient using microstim 2 device”

Wednesday, 09.09.2009

8.00-8.50
Assist. Prof. A. Anghelescu, MD, Postgrad.
„Spasticity management in spinal cord lesions/injury patients – ICFDH conceptual model’s perspectives”

8.55-9.45
Assoc. Prof. O. Surdu, MD, PhD
„Objectives, opportunities and modalities in balneary resort rehabilitation after complex spinal cord injury sequels”

9.50-10.40
Prof. G. Onose, MD, PhD
„State-of-the-art regarding rehabilitation in neural – mainly somatic – plexus injuries”

10.40-11.00 COFFEE BREAK

11.00-11.50
Assoc. Prof. L. Pădure, MD, PhD
„Spasticity management in children”
11.55-12.45
Assist. Prof. V. Lucescu, MD, PhD
„Management of the lumbar spinal stenosis“

12.50-13.40
Assoc. Prof. C. Oană, MD, PhD
„Principles and methods of monitoring – over time and space – severe disabled patients with sequels after spinal/cord lesions“

13.40-14.30  LUNCH TIME

14.30-15.20
Assoc. Prof. Valentin Grigorean, MD, PhD
“Lower urinary tract dysfunctions following spinal cord trauma; surgical aspects”

15.45 -17.15 Workshop
To be held at “Grand Hotel Rex”, Hall A
„Pharmacology in Neurorehabilitation“
Moderator/Main Speaker: Prof. V. Hömberg, MD, PhD

17.30-18.30 Workshop
„Towards a better use of balneary/SPA complex approaches for disabled persons including with demands for neurorehabilitation“
Participants: A. Razumov („Modern technologies of restorative medicine and rehabilitation for patients with sharp infringements of brain blood circulation“), U. Solimene et al. („CO₂ balneotherapy: effect on free radicals release and total antioxidant status in peripheral arterial occlusive disease“), N. Storozhenko, F. Menendez, O. Surdu, C. Ciobotaru, T. V. Surdu

Participants’ registration 14.30-18.30
Conference Official Opening 19.00
Welcome Party 20.30

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Oral Presentations
To be held at “Grand Hotel Rex”, Hall A

General Time Framing:
All invited lectures – 15 min and 5 min. for questions;
all oral communications – 8 min and 2 min. for questions
8.30-10.00 Session 1

Co-Chairmen: V. Hömberg, G. Onose, C. Ciobotaru, E. Visileanu

1. What does basic science tell us about the future of motor rehabilitation – Invited lecture – V. Homberg (15 min)


6. Cervical and cervical brachial pain syndrome in light industry workers – S. Pop, M. Farago, R. Bondici (8 min)

10.00-10.30 COFFEE BREAK

10.30-12.00 Session 2

Co-Chairmen: S. Clarke, K. v. Wild, A. Razumov, Şt. T. Crăciunoiu

1. Neural plasticity – queen and servant of neurorehabilitation – Invited lecture – S. Clarke (15 min)

2. The role of neurorestoratology in functional neurological-neurosurgical rehabilitation (Declaration of Beijing) critical remarks on a new concept – Invited lecture – K. v. Wild (15 min)


4. Impact of neuropsychology and psychotherapy on emotional adjustment and social re-entry following brain damage – K. v. Wild, B. Kemper (8 min)


12.00-12.30 COFFEE BREAK
12.30-13.30 Thematic Satellite Symposium

“Modern: drugs, pharmacological associations or procedures with proven clinical efficiency, including in NeuroRehabilitation – neurobiotrophics, deep oscillation”


- **Our experience concerning the use of deep oscillation in the therapy of neurologic patients with associated pain and/or rheumatic-degenerative conditions** – G. Onose, C. Daia-Chendreanu, M. Haras, C. Popescu, A. Mirea, M. Neculai (20 min)

13.30-14.30 LUNCH TIME

14.30-16.00 Session 3

**Co-Chairmen:** N. Storozhenko, D. Mureşanu, O. Surdu

1. **The benefits of the complex treatment with specific therapeutic factors from Techirghiol health resort in rehabilitation of patients with spine/cord injur** – Invited lecture – O. Surdu, M. Minea, T.V. Surdu, V. Marin, D. Profir, E. Ionescu, S. Demirgean (15 min)

2. **The benefit of pharmacological modulation in neurorecovery** – Invited lecture – D. F. Mureşanu, A. Stan (15 min)

3. **Posture, physical activity counseling and exercise effective in improving cervical pain and disfunction** – M. Farago, S. Pop, R. Bondici, F. Cioară (8 min)

4. **Complex malformation of dorsal-lombar-sacral-coccidian column at 28 years woman** – V. Marin, I. Moraru, M. Minea, C. Ciobotaru (8 min)

5. **The urodynamic evaluation and the conservative treatment of the neurogenic bladder after laminectomy** – A. V. Manu-Marin, N. Calomfirescu, L. Vesa (8 min)

6. **Our Experience concerning applications of High Intensity Level (HILT) and respectively, Multiwave Locked System (MLS) Laser Therapy methods, in cases of degenerative enthesopathies/arthrides** – G. Onose, C. Daia Chendreanu, [C. Popescu] A. Anghelescu, C. Mihăilescu, M. Lăpădat, C. Chipăruş, Cr. Popescu, I. Andone, A. Spînu, M. Neculai (8 min)


Professional/Social Program starting at 16.15
(visit of the Techirghiol Balneary & Rehabilitation Sanatory and flying visit/sight seeing of Mangalia/Callatis city)

Get-together Dinner 20.30

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THE NATIONAL CONFERENCE OF NEUROSURGERY AND NEUROREHABILITATION

Friday, 11.09.2009

8.30-10.00 Session 1

Co-Chairmen: G. Brunelli, I. Lascăr, I. P. Florescu, V. Avramescu

1. Recent advances of the research of ESCRI on experimental spinal cord repair – Invited lecture – G. Brunelli (15 min)

2. A study regarding the use of nervous conduits in nerve regeneration – Invited lecture – I. P. Florescu, G. Onose, R. Mihai, L. Moldovan (15 min)

3. Pressure sores – a constant problem for plegic patients and a permanent challenge for plastic surgery – C. Giuglea, S. Marinescu, I. P. Florescu, C. Jecan (8 min)

4. Medical recovery of radial-nerve paralysis – I. Ureche, S. Ureche (8 min)

5. Rehabilitation methods – useful tools for the CRPS type I in hand pathology management – C. Brăilescu, I. Lascăr, R. Scarlet (8 min)

6. Data acquisition system and advanced real time decision methods into an information system in connection to control and command of a robot orthotic suit that assists the persons with disabilities of the locomotory – F. Alexiuc, V. Avramescu, G. Onose, A-M. Constantinescu, C. Orășanu, L. Păun, R. Grejdenescu, C. Nicolau, R. Niță, R. Șt. Crăciunoiu, I. Dimache (8 min)


10.00-10.30 COFFEE BREAK

10.30-12.00 Session 2

Co-Chairmen: S. Aito, F. Menendez, L. Pădure, A. Anghelescu

1. Regular follow-up for the persons with spinal cord lesion: its importance and organization – Invited lecture – S. Aito (15 min)


3. Family agregation of spondilolistezis with unknown etiology – S. Demirgean, O. Surdu, M. Minea, E. Ionescu (8 min)

4. The activity of ATP-ase in the wall of normal and atheromatous blood vessels (Histochemical Study) – A. Capisizu, Alex A. Capisizu (8 min)

5. Neurologic manifestations in AIDS, neurosurgical implications – M. Popescu (8 min)


7. Interrelated aspects of the traumatic spinal cord injury impact upon the quality of life – I. Cheregi, A. Ivan (8 min)
12.00-12.30 COFFEE BREAK

12.30-13.30 Thematic Satellite Symposium
"Advanced: assistive/ rehabilitative technologies, to improve neurorehabilitation outcomes – Actigait, MOD, DITEH"

- Observational study to evaluate the implementation procedure of the ActiGait® Drop Foot Stimulator System – TEHBA team’s contribution (preliminary) – H. Dietl, A. Hann, C. Daia Chendreanu, A. Anghelescu, M. Haras, A. Mirea, G. Onose (15-20 min)
- Integrated conceptual model of a wheelchair, made by the development of some components that are part of its structure – G. Stanca, C. Orăsanu, V. Avramescu, G. Onose, L. Păun, R. Grejdenescu, D. Condurache, R. Niţă, I. Dimache (15-20 min)

13.30-14.30 LUNCH TIME

14.30-16.00 Session 3
Co-Chairmen: U. Solimene, V. Lucescu, C. Oană

1. Methods and principles in monitoring primary patients assistance after stroke and spinal cord injuries – Invited lecture – S. C. Oană (15 min)

2. Rehabilitation limits in lumbar zygapophyseal joint osteoarthritis – S. Pop, M. Farago (8 min)


5. Clinical and therapeutic aspects of spastic tetraparesis – M. Verenca, M. Iosip, M. Fudulache (8 min)

6. Conservative management of lumbar spinal stenosis – M. Farago, S. Pop (8 min)


8. Effects of acupuncture in central hemiplegia/ hemiparesis – M. Stan (8 min)

16.00-16.15 COFFEE BREAK
16.15-17.15 Thematic Satellite Symposium
”Modern pharmacological approaches of sensitization/neural hyperexcitability, in neuropathic pain and/or partial seizures – PREGABALIN” – I. Mândruță, MD

17.00-18.00 Posters
To be held at “Grand Hotel Rex” Lobby
Co-Chairmen: L. Pădure, C. Daia Chendreanu, M. Haras, A. Mirea, V. Surdu, F. Georgescu

1. Actual therapeutic trends in the management of disabling (upper limb) spasticity, after central nervous system lesions (stroke, traumatic brain injury, spinal cord injury) – A. Anghelescu, O. Băjenaru

2. Evolution of the cervical traumatic spinal cord injury in early subacute stage – A. Anghelescu, G. Onose, A-S. Mihăescu


5. Particularities in severe traumatic brain injuries neurorehabilitation – C. Daia Chendreanu, G. Onose, A. Mirea, C. D. Chiva


9. Advocacy for conservative treatment in arthrogryposis – A. Mirea, L. Pădure


11. Isolation and characterization of tumor stem cells from human glioblastoma samples – F. Brehar, A. V. Ciurea, A. Tașcu, R. E. Rizea, C. Bleotu, O. Zărnescu

12. Rehabilitation protocol in post-traumatic hand pathology – C. Brăilescu, I. Lascăr, R. Scarlet

13. Ways of psychomotor rehabilitation for patients with cerebral motor insufficiency – M. State


15. Depression and recuperation of hemiplegia in stroke – A. Docu Axelerad, D. Docu Axelerad, A. Hancu, M. Damian, A. Barbu
16. Postoperative brachial paralysis in young female with schwannoma of the brachial plexus associated with acrocianosis and primary hypertension – A. Covaleov, M. Iliescu, V. Lucescu, D. Iliescu


18. Psychomotor rehabilitation’s ways to patients with vertebro-medullary injuries – M. State


Alternatively (Optionally) Social Program starting at 17.30
(flying visit/sight seeing of Constanta/Tomis city)

18.30-20.00 Management meetings:
– RoSNeRa and RoSCoS – to be held at “Grand Hotel Rex”, Hall A
– FEMTEC – to be held at “Grand Hotel Rex”, Hall B

Gala Dinner 20.30

Saturday, 12.09.2009 (Neurosurgical day)

Training Courses
To be held at “Grand Hotel Rex”, Hall A

8.00-08.50
Prof. A. V. Ciurea, MD, PhD: „Neuroprotective therapy and neurorehabilitation in intracranial aneurisms”

8.55-09.45
Univ. Assist. C. Toader, MD, PhD: „Cerebral vasospasm, complication of subarachnoidian hemorrhage – ethiology, physiopathology, clinics, neurosurgical and neurorehabilitation treatment”
9.50-10.40
F. Stoica, MD, PhD: “γ-knife treatment indications in cerebral-vascular malformations”

10.45-11.35
I. Ogrezeanu, MD, PhD: “Strategies for rehabilitation after epilepsy surgery”

11.35-12.00 COFFEE BREAK

Oral Presentations
To be held at “Grand Hotel Rex”, Hall A

12.00-13.00 Session 1


2. Decompressive hemicraniectomy in malignant middle cerebral artery infarction – the experience of the second neurological department – C. Toader, C. Tancu (8 min)

3. Gamma-knife radiosurgery in AVMs – F. Stoica, R. Perin, R. Stempurszki (8 min)

4. 3D diffuse tensor imaging important acquisition in diagnostic and intracranial lesions neurosurgery – R. E. Rizea, A. V. Ciurea, G. Onose, F. Brehar, D. Farcaș (8 min)

5. Pleuromediastinal neurofibroma with thoracic spine invasion – case report – M. Catană, C. Paleru, S. Crăciunaș, V. Prună, C. Bolca (8 min)

13.10-14.10 Thematic Satellite Symposium
“New devices and opportunities for patients with neurogenic bladder – minimal traumatic, single use/hydrophylic cathethers, RISCI”

– Clean intermittent catheterisation (cic) in the treatment of neurogenic bladder – A. V. Manu-Marin, N. Calomfirescu, L. Vesa (15 min)


14.15-15.00 General conclusions and closing ceremony
Handling awards for the best orally presented and, respectively, poster presented work
To be held at “Grand Hotel Rex”, Hall A

Alternatively (Optionally) Social Program
(trip to the Danube Delta)