



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**



THE NATIONAL CONFERENCE OF NEUROSURGERY AND NEUROREHABILITATION



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.



THE NATIONAL CONFERENCE OF NEUROSURGERY AND NEUROREHABILITATION



WELCOME EDITORIAL

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 the 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 (INCOTP)

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)

TREASURER:

Anca-Sanda Mihăescu, Senior Therapist – RoSNeRa and RoSCoS

SCIENTIFIC COMMITTEE:

Assist. Prof. **Camelia Ciobotaru**, MD, PhD

Prof. **Ioan Lascăr**, MD, PhD

Prof. **Dafin Fior Mureșanu**, MD, PhD

Prof. **Ioan Petre Florescu**, MD, PhD

Assoc. Prof. **Liliana Pădure**, MD, PhD

Ana Capisizu, MD, PhD

Assoc. Prof. **Cristian Oană**, MD, PhD

Assist. Prof. **Viorel Lucescu**, MD, PhD

Fery Stoica, MD, PhD

Prof. **Dan Enescu**, MD, PhD

ORGANIZING COMMITTEE:

Assist. Prof. **Aurelian Anghelescu**, MD, Postgrad.

Valeriu Avramescu, Eng, Postgrad.

Univ. Assist. **Cristina Daia Chendreanu**, MD, Postgrad.

Univ. Prep. **Andrada Mirea**, MD

Univ. Prep. **Radu Rizea**, MD, Postgrad

Univ. Assist. **Monica Haras**, MD, Postgrad

Aura Spînu, MD

Cristina Popescu, MD

Loredana Păun, Eng, Postgrad

Roxana Grejdenescu, Eng, Postgrad

Cătălin Orășanu, Eng, Postgrad

Ioana Andone, MD



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LOCAL COMMITTEE

Assoc. Prof. **Olga Surdu**, MD, PhD

Prof. **Ion Bordeianu**, MD, PhD

Univ. Assist. **Anatoli Eugen Covaleov**, MD

Univ. Assist. **Adriana Clipa**, MD

Prep. Univ. **Traian Surdu**, MD

Viorica Marin, MD

Elena Ionescu, MD

Sibel Demigean, MD

Dana Profir, MD

HONORED GUESTS / INVITED SPEAKERS:

Prof. **Stephanie Clarke**, PhD – President elect of WFNR, Head of Neuropsychology 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

Prof. **Sergio Aito**, MD, PhD – Vicepresident of ISCoS, Director of Department “Regional Agency for Spinal lesions”, Director of Spinal Unit Careggi University Hospital, Florence, Italy

Prof. **Giorgio Brunelli**, MD, PhD – Director Foundation for Research on Spinal Cord Lesions, Chairman of the School of Specialisation in Orthopedics and Traumatology, University of Brescia, Italy

Prof. **Nikolay Storozhenko**, MD, PhD – President of FEMTEC – President of National Spa Association, (Russian Federation)

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 Diabetes 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”

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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”



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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

Participants: G. Onose, K. v. Wild, O. Surdu, L. Pădure, V. Lucescu, C. Oană, A. Anghelescu, C. Daia Chendreanu, M. Haras, A. Mirea, M. Badea, T. V. Surdu

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*



THE NATIONAL CONFERENCE OF NEUROSURGERY AND NEUROREHABILITATION



Thursday, 10.09.2009

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)
- 2. EEG based brain-computer interface in chronic quadriplegics using robotic arm device a functional assistive technology – clinical survey and post trial follow-up** – Invited lecture – G. Onose, C. Grozea, A. Angheliescu, C. Chendreanu, A. Mirea, I. Andone, A. Spînu, C. Popescu, A-S. Mihăescu, S. Fazli, M. Danoczy, C-J. Sinescu, A. V. Ciurea, F. Popescu (15 min)
- 3. Dynamic ileus secondary to spinal cord injury** – Invited lecture – V. T. Grigorean, G. Onose, M. Popescu, V. Strâmbu, P. Vintila, A. M. Sandu, C. M. Neacșu, R. A. Stoian, V. E. Radu (15 min)
- 4. Considerations regarding the interactive textile structures** – E. Cărpuș, A. Dorogan, E. Visileanu, C. Rădulescu, M. Ignat, I. Pânzaru, D. Nanu, C. J. Sinescu, I. Cărpuș (8 min)
- 5. Key points in speech recovery after traumatic brain injury (TBI) in children** – C. Călinescu, V. Morcov, L. Pădure, A. Mirea, M. Axente, C. Drăgan, L. Preducă, G. Tudoran, L. Iancu, G. Petre, C. F. Ion, F. Drăgan, D. Necula, A. Biclineru, M. Dumangiu (8 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, Șt. 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)
- 3. Multifunctional surgical table** – Invited lecture – Șt. T. Crăciunoiu, V. Avramescu, A. V. Ciurea, C. Birtu, A. M. Constantinescu, V. Grigorean, I. Lung, R. Șt. Crăciunoiu, L. Păun, R. Grejdenescu (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)
- 5. Our (further) experience on Interferential Medium Frequency Electrostimulation in the treatment of post SCI neurogenic bladder** – G. Onose, C. Chendreanu, C. Popescu, T. Spircu, A. Angheliescu, C. Mihăilescu, M. Lăpădat, L. Onose, M. Popescu, M. Neculai (8 min)
- 6. Complex treatment of children cifoscoliosis induced by neurological causes** – M. Dumangiu, L. Pădure, A. Biclineru, A. Mirea, M. Axente, C. F. Ion, F. Drăgan, C. Drăgan, D. Necula, V. Morcov, C. Călinescu, G. Petre, G. Tudoran, L. Preducă, L. Iancu (8min)

12.00-12.30 COFFEE BREAK



THE NATIONAL CONFERENCE OF NEUROSURGERY AND NEUROREHABILITATION

12.30-13.30 Thematic Satellite Symposium

"Modern: drugs, pharmacological associations or procedures with proven clinical efficiency, including in NeuroRehabilitation – neurobiophysics, deep oscillation"

- **Neuroprotective and consequent neurorehabilitative outcomes, in elderly with severe brain conditions, treated with neurotrophics: Actovegin or/and Cerebrolysin – preliminary results** – G. Onose, C. Daia Chendreanu, A-S. Mihăescu, T. Spircu, C. Popescu, A. Anghelescu, D. Mardare, L. Onose, A. Mirea, G. Matei, M. Haras, A. Spînu, I. Andone, Cr. Popescu (20 min)
- **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. Mureșanu, 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. Mureșanu, 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-cocciadian column at 28 years woman** – V. Marin, I. Moraru, M. Minea, C. Ciobotaru (8 min)
5. **The urodynamic evalaution 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/arthritis** – G. Onose, C. Daia Chendreanu, C. Popescu, A. Anghelescu, C. Mihăilescu, M. Lăpădat, C. Chipăruș, Cr. Popescu, I. Andone, A. Spînu, M. Neculai (8 min)
7. **Motric processes particularities in artistic expression of post traumatic brain injury children** – L. Pădure, L. Preducă, C. Drăgan, A. Mirea, M. Axente, V. Morcov, C. Călinescu, G. Petre, G. Tudoran, L. Iancu, F. Drăgan, C. F. Ion, A. Bidlineru, M. Dumangiu, D. Necula (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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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)
7. **Our team results in the conservative treatment of obstetrical brachialis plexus palsy** – M. Axente, L. Pădure, A. Mirea, G. Petre, V. Morcov, C. Călinescu, G. Tudoran, L. Preducă, L. Iancu, C. F. Ion, F. Drăgan, C. Drăgan, D. Necula, A. Biclineru, M. Dumangiu (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)
2. **Spastic hip joint in cerebral palsy** – Invited lecture – L. Pădure, A. Mirea, M. Dumangiu, F. Drăgan, A. Biclineru, M. Axente, C.F. Ion, C. Drăgan, D. Necula, G. Tudoran, C. Călinescu, V. Morcov, L. Preducă, L. Iancu, G. Petre (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. Căpășu, Alex A. Căpășu (8 min)
5. **Neurologic manifestations in AIDS, neurosurgical implications** – M. Popescu (8 min)
6. **ICF-DH conceptual approach of the complex medical and social problems (integration at home and inside community), confronting persons with sci sequelae** – A. Anghelescu, G. Onose, D. Georgescu, C. Chipăruș, C. Mihăilescu, M. Lăpădat, F. Marinescu, A-S. Mihăilescu (8 min)
7. **Interrelated aspects of the traumatic spinal cord injury impact upon the quality of life** – I. Cheregi, A. Ivan (8 min)



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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)
- **Achievement of an experimental mecatronic orthotic device to assist/ rehabilitate orthostatism and walk in patients with complete paraplegia** – G. Onose, V. Cârdei, A. V. Ciurea, L. Onose, Șt. T. Crăciunoiu, V. Avramescu, R. Grăjdenescu, L. Păun, C. Dogariu, V. Racicovski, T. Ursu, M. Modreanu, E. Visileanu, E. Cărpuș, A. Dorogan, A. Moldovanu, G. Hulian, G. Epureanu, O. Surdu, L. Pădure, C. Chendreanu, A. Mirea, A. Spînu, M. Haras, I. Andone, C. Popescu (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. Orășanu, V. Avramescu, G. Onose, L. Păun, R. Grejdenescu, D. Condurache, R. Niță, 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)
- 3. Walking education for children with cerebral palsy** – M. Dumangiu, L. Pădure, G. Marinescu, A. Mirea, M. Axente, A. Biclineru, D. Necula, C. Drăgan, F. Drăgan*, C. F. Ion, C. Călinescu, V. Morcov, G. Tudoran, L. Preducă, L. Iancu, G. Petre (8 min)
- 4. The role of the kineto and physical therapy in patients with motor deficit after operated herniated disk** – M. Popescu, G. Onose, C. Bărbulescu, G. Mihalache, C. Mihalache, G. Popescu, V. T. Grigorean (8 min)
- 5. Cinical 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)
- 7. Kinetotherapy and psycho-motricity possibilities in post traumatic brain injuries (TBI) children treatment** – L. Pădure, F. Drăgan, C. Drăgan, A. Mirea, M. Axente, V. Morcov, A. Biclineru, M. Dumangiu, C. Călinescu, G. Petre, L. Preducă, C. F. Ion, D. Necula, G. Tudoran, L. Iancu (8 min)
- 8. Effects of acupuncture in central hemiplegia/ hemiparesis** – M. Stan (8 min)

16.00-16.15 COFFEE BREAK



THE NATIONAL CONFERENCE OF NEUROSURGERY AND NEUROREHABILITATION

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, T. 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
- 3. Wilson-like disease of unknown etiology – how can we treat?** – M. Badea, C. Daia Chendreanu, G. Onose, A-S. Mihăescu, S. Tuță
- 4. Ways of psychomotor rehabilitation for patients with Parkinson's disease** – A. Docu Axelerad, A.Hancu, D. Docu Axelerad, M. Damian, A. Barbu
- 5. Particularities in severe traumatic brain injuries neurorehabilitation** – C. Daia Chendreanu, G. Onose, A. Mirea, C. D. Chiva
- 6. Clinical and evolutive characteristics in elderly spinal cord injuries neurorehabilitation** – C. Daia Chendreanu, G. Onose, A. Mirea, A-S. Mihăescu, M. Renta
- 7. A gun-shot case – a challenge for a long-term multidisciplinary rehabilitation management** – R. Scarlet, C. Brăilescu
- 8. Evolution of the thoracic traumatic spinal cord injury in early subacute stage** – A. Anghelescu, G. Onose, A-S. Mihăescu
- 9. Advocacy for conservative treatment in arthrogryposis** – A. Mirea, L. Pădure
- 10. Rehabilitation after partial motor status epilepticus arising from mesial frontal lobe** – I. OGREZEANU, C. Tancu, M. Lăpădat, C. Chipăruș
- 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
- 14. The harmonization of therapeutic procedures for spasticity decreasing in child** – C. F. Ion, L. Pădure, M. Ion, A. Mirea, M. Axente, M. Bejan, M. Dumangiu, A. Biclineru, C. Drăgan, F. Drăgan, D. Necula, G. Petre, G. Tudoran, L. Preducă, L. Iancu, C. Călinescu, V. Morcov, N. Dimcevic-Poesina
- 15. Depression and recuperation of hemiplegia in stroke** – A. Docu Axelerad, D. Docu Axelerad, A.Hancu, M. Damian, A. Barbu



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16. **Postoperative brachial paralysis in young female with schwannoma of the brachial plexus associated with acrocyanosis and primary hypertension** – A. Covaleov, M. Iliescu, V. Lucescu, D. Iliescu
17. **Particularities of kinetic treatment in child cerebral palsy rehabilitation** – D. Necula, G. Tudoran, L. Pădure, A. Mirea, M. Axente, V. Morcov, C. Călinescu, C. Drăgan, L. Iancu, L. Preducă, C. F. Ion, M. Dumangiu, A. Biclineru, F. Drăgan, G. Petre
18. **Psychomotor rehabilitation's ways to patients with vertebro-medullary injuries** – M. State
19. **Work-avulsion trauma of upper limb – case report** – C. Brăilescu, R. Scarlet, I. Lascăr
20. **The importance of psychological counseling for neuro-psycho-motor disabled children' parents** – L. Pădure, L. Iancu, A. Mirea, M. Axente, V. Morcov, C. Călinescu, L. Preducă, C. Drăgan, G. Petre, G. Tudoran, D. Necula, F. Drăgan, C. F. Ion, A. Biclineru, M. Dumangiu
21. **Clinical relevance of the shape and dimensions of the cervical nerve groove and the intervertebral foramen** – D. Iliescu, A. Covaleov, D. Iliescu, V. Lucescu, P. Bordei
22. **Sciatic nerve schwannoma – case report** – A. M. Sandu, N. Bucur, A. Neacșu, V. Prună, A. Voina, A. Giovani, D. Martin, A. Dediu, M. Gorgan

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

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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 hemorrhagy – etiology, physiopathology, clinics, neurosurgical and neurorehabilitation treatment”



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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

Co-Chairmen: A. V. Ciurea, F. Stoica, C. Toader, A. S. Mihăescu, C. D. Mardare

- 1. The value of neurorehabilitation measures in severe brain injury (SBI) & predictive outcome factors** – Invited lecture – A. V. Ciurea, G. Onose, D. Mureșanu, Șt. Iencean, F. M. Brehar, R. E. Rizea, C. Palade, V. Rotărescu (15 min)
- 2. Decompressive hemicraniectomy in malignant middle cerebral artery infarction – the experience of the second neurosurgical 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 catheters, RISCI”

- **Clean intermittent catheterisation (cic) in the treatment of neurogenic bladder** – A. V. Manu-Marin, N. Calomfirescu, L. Vesa (15 min)
- **Initiation of a national informatic portal for chronic patients after spinal cord injury, in Romania** – G. Onose, A. Ionescu, A. Angheliescu, F. Georgescu, C. Chendreanu, A. V. Ciurea, F. Exergian, G. Epureanu, C. Băluță, L. Onose, R. Ioanid, A. Mirea, P. Armean, C. Mihăilescu, A-S Mihăescu, D. C. Mardare, C. Nicolau (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)**

