

# Smart Diaspora 2023

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Eveniment aflat sub înaltul patronaj  
al Președintelui României





The Romanian Society for NeuroRehabilitation –  
affiliated to the World Federation for  
NeuroRehabilitation (WFNR)



The Romanian Spinal Cord Society – affiliated  
to the International Spinal Cord Society  
(ISCoS) and to the European Spinal Cord  
Injury Federation (ESCIF)

"Endeavours and achievements of the  
Romanian Society for NeuroRehabilitation  
(acronym: RoSNeRa) and of the Romanian  
Spinal Cord Society (acronym: RoSCoS), and  
future perspectives regarding this domain in  
Romania, including towards related  
international collaboration strengthening"

**Prof. Univ. Dr. Gelu Onose**  
**Şef de lucrări Univ. Dr. Cristina Popescu**

THE UNIVERSITY OF MEDICINE AND PHARMACY "CAROL DAVILA", IN BUCHAREST, ROMANIA

THE TEACHING EMERGENCY HOSPITAL "BAGDASAR-ARSENI", BUCHAREST, ROMANIA



The University of  
Medicine and Pharmacy  
"Carol Davila" – The Faculty  
of Medicine – in Bucharest



The Teaching Emergency Hospital "Bagdasar-Arseni", in Bucharest

**RoSNeRa** and **RoSCoS** were established, respectively **started their activity**, in successive stages – in accordance with the sequence of regulatory steps imposed by the Romanian legislation in the field – in **2007/2008** (affiliation to the **WFNR**).

Thus, this event is also a marvelous opportunity to celebrate **15 years** since its inception !

- ... from the motivational Preamble to the Statute of the **Romanian Society for NeuroRehabilitation** (acronym: **RoSNeRa** – <https://rosnera.org/>) – affiliated to the **World Federation for NeuroRehabilitation – WFNR** (<http://wfnr.co.uk/>):
  - RoSNeRa is established due to the objective need for a further/ additional contribution** (compared to "classic" institutional activities, regarding medical assistance and scientific research) regarding **academic aspects**, but also for **advocacy** – both inside our country and abroad – **at**:
    - improving **the understanding** and thus, **the effectiveness of the holistic-syncretic**, medical/bio-psycho-social approach to the problem of **disabilities** secondary to major **nervous system** (NS), especially central nervous system (CNS) lesions/disorders

...

- **active interfacing**, **both from professional positions** (the core of **RoSNeRa** is represented by the Neuro-Muscular Rehabilitation Clinic Division – which is National Reference Center for **NeuroRehabilitation**, with almost **five decades** of experience in the **field** – from the Teaching Emergency Hospital "Bagdasar-Arseni"), as well as through **the inclusion/involvement "from the inside" of some patients** in need of NeuroRehabilitation, **of the relationship between the current legislative, environmental and mental framework**, and the **related interests of people with neurological disabilities and consequent special needs**

...

- improvement, consecutively more accentuated, of **the level of information, of accessibility to appropriate complex services** and, **as a result, of the patients' quality of life**, including as severe neurotraumas can, unfortunately (!) generate neuro-myo-arthro-kinetic communication or/and cognitive and/or many other complications/ co-morbidities, all with a marked potential for some of the most severe **infirmities within the human pathology**, at all ages and **often for life**
- the representation **of the Romanian profile school at international level, increasing its visibility** and thus, optimizing our **connection** to the top levels of **scientific research in the field**, with the **aim** of placing us in the most advanced positions in relation to the ultra-modern approaches that could lead, in a future – a hopefully, not too distant – **to the discovery of ways**, on the one hand, **to drastically limit neuro-lesions after injuries at the NS level** and, on the other, **even to cures (prophylactic and/or therapeutic-rehabilitative: pleiotropic or even multimodal approaches, respectively from the field of Regenerative Medicine and Tissue Engineering and/or Advanced Assistive-Rehabilitative Technologies)**

...

- also considering **the current interest in NeuroRehabilitation** – which is **growing spectacularly** almost all over the world – in a country like **Romania**: with a prodigious and well-established medical tradition, which became a **member of the European Union**, **the establishment of RoSNeRa and its affiliation** to both, the **representative national structure** (The Romanian Medical Association – **AMR**) and **the counterpart international society** (The World Federation for **NeuroRehabilitation** – **WFNR**) represents **endeavors**, including of integrative/global type – as **necessary** and **beneficial** as they are **promising**

...

... from the motivational Preamble to the Statute of the **Romanian Spinal Cord Pathology, Therapy and Rehabilitation Society** (/ **Romanian Spinal Cord Society** – acronym: **RoSCoS** – <https://roscos.org/>) – **affiliated** to:

- the **International Spinal Cord Society** – **ISCoS** (<http://www.iscos.org.uk/>) and to
- the **European Spinal Cord Injury Federation** – **ESCIF** (<http://www.escif.org/>)

**RoSCoS** is established from the objective need for an additional, further contribution (compared to the "classic" institutional activities, regarding medical assistance and scientific research) from an **academic** point of view but also from an **advocacy** perspective – both in our country and abroad – **at**:

- improving **knowledge** and, thus, **efficiency** in carrying out **information/prevention measures**, respectively **providing care, therapy and rehabilitation in vertebral-medullary pathology, tetra- and para-plegia** being among **the most disabling** conditions (it is no coincidence that **the symbol of the wheelchair** is considered, internationally, **the „hallmark" of invalidity/handicap**), mostly with **traumatic etiology** (therefore, largely **preventable**)

...

- consecutively, **increasing the support for such patients in their reintegration and maintaining** their **activity**, by **increasing the degree of autonomy and involvement** (encouraging – supported including through **appropriate advocacy** measures – within **realistic/professional approaches**, of the assumption by those affected, of responsibilities gradually, for "**regaining**", as much as possible, one's **own life**), as decisive and globally propensive elements for their **adaptation**, in the **long term**, to the **new** (yet) **severely disabling condition**

- also taking into account the fact that **Romania** became a **member of the European Union**, the establishment of the **RoSCoS** and its **affiliation**, to both: the **National representative structure** (The Romanian Medical Association – **AMR**) and to **the International Spinal Cord Society (ISCoS)**, and also to the **European Spinal Cord Injury Federation (ESCIF)**, represent **endeavors** of an **integrative/global** type, as **necessary** and **beneficial**, as **promising**

The **culmination** of these **interventions** is **functional recovery**, a phenomenon that has now been demonstrated in animal models of nervous system-trauma, stroke, degeneration, and inherited degenerative disease.

Based upon preclinical studies, several of these approaches are now undergoing clinical testing. We have entered a new era in the treatment of diseases of the nervous system

(wishful – already – **old assertion** of Mark H. Tuszynski and Jeffrey H. **Kordower** – 1999 – cited by Chen Lin, Department of Neurosurgery, Tsinghua University, Yuquan Hospital, Beijing, China – 21.06., 2014)

”However, there are no neuroprotective agents clinically available to counteract damage or promote repair after brain trauma.”\*

Spinal cord injury (SCI) is a devastating type of neurological trauma with limited therapeutic opportunities.”\*\*

Spinal cord injury (SCI), for which there currently is no cure, is a heavy burden on patient physiology and psychology.”\*\*\*

\* Watts LT, Long JA, Manga VH, Huang S, Shen Q, Duong TQ – Normobaric oxygen worsens outcome after a moderate traumatic brain injury. J Cereb Blood Flow Metab;35(7):1137-44, **2015**. doi: 10.1038/jcbfm.2015.18. Epub 2015 Feb 18

\*\* Zhou X, He X, Ren Y – Function of microglia and macrophages in secondary damage after spinal cord injury. Neural Regen Res. 15;9(20):1787-95, **2014**

\*\*\* Fan, B., Wei, Z., Yao, X., Shi, G., Cheng, X., Zhou, X., ... Feng, S. (**2018**). Microenvironment Imbalance of Spinal Cord Injury. Cell transplantation, 27(6), 853–866. doi:10.1177/0963689718755778

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**MOTOR ACTION EXECUTION IN REACTION-TIME MOVEMENTS  
MAGNETOENCEPHALOGRAPHIC STUDY**

TARIKKA, INA.M.; HAUTASAARI, PEKKA\*

American Journal of Physical Medicine & Rehabilitation, March 27, 2019 - Volume Publish Ahead of Print - Issue - p  
doi: 10.1097/PHM.0000000000001187  
Research Article: PDF Only

Full PDF

Abstract Author Information Article Metrics

Objective Reaction-time (RT) movements are internally planned in the brain. Presumably, proactive control in RT movements appears as an inhibitory phase preceding movement execution. We identified the brain activity of RT movements in close proximity to movement onset and compared it to similar self-paced (SP) voluntary movements without external command.

Design We recorded 18 healthy participants performing RT and SP fast index finger abductions with 308-sensor magnetoencephalography and EMG. RT movements were performed as responses to cutaneous electrical stimulation delivered on the hand radial nerve area. Motor field (MF) and movement-evoked field 1 (MEF1) corresponding to the sensorimotor cortex activity during motor execution and afferent feedback after the movement were analyzed with Brainstorm's scouts using regions of interest analysis.

Results Primary motor (M1) and sensory (S1) cortices were active before and after movement onset. During RT movements, M1-S1 cortices showed higher activation compared to SP movements. In M1, stronger preparatory activity was seen in SP than in RT.

Conclusions Both M1 and S1 cortices participated in the movement execution and in the prediction of sensory consequences of movement. Cutaneous stimulation facilitated cortical activation during MF after RT movements, implying the applicability of cutaneous stimulation in motor rehabilitation.

"There is substantial evidence of the impact of therapeutic exercise on cortical reorganization after stroke, with associated improvements in motor control and functional use of the affected limbs"\*

\* Stein J - Stroke (Chpt. 159, in: Frontera W.R., Silver J., Rizzo T.D., Jr. - Eds. - Essentials of Physical Medicine and Rehabilitation. Musculoskeletal Disorders, Pain, and Rehabilitation. Fourth Edition, Elsevier, Philadelphia, USA, 2019)

Many supplementary reasons supporting the **value and importance** of the large and consistent panel of rehabilitative/ nerorehabilitative interventions, we have systematized quite recently, in:

Onose G, Anghelescu A, Blendea CD, Ciobanu V, Daia CO, Firan FC, Munteanu C, Oprea M, Spinu A, Popescu C. **Non-invasive, non-pharmacological/bio-technological interventions towards neurorestoration upshot after ischemic stroke, in adults-systematic, synthetic, literature review**. Front Biosci (Landmark Ed). 2021 Nov 30;26(11):1204-1239. doi: 10.52586/5020. PMID: 34856764.

*and in:*

Contemporary Clinical Neuroscience

Ioan Opris  
Mikhail A. Lebedev  
Manuel F. Casanova Editors

## Modern Approaches to Augmentation of Brain Function

 Springer

Editors

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Preface

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include their living with quantitative devices. Two such tools are cortical intracranial magnetic stimulation (TMS), and magnetic neurophysiology (MNP). TMS/MNP devices can be used as a broad range of research tools and technological medical applications where programmable focusing magnetic field is required.

### Part V: Augmenting Behavior

The part on augmenting behavior starts with the chapter by Mizuhata, entitled "Does the Power to Suppress an Action Make Us Free?" (Chap. 21). Mizuhata notes that there are still no clear answers to the problem of free will, but, the bottom-up approach of neuroscience seems to be more promising than that of philosophy, which is deductive or top-down by nature. Overall, the experimental evidence gathered so far suggests that, except specific medical conditions, we are free of choosing how to act as well as we are responsible for what we do.

In Chap. 22, "Deep Brain Stimulation for Parkinson's Disease: Clinical Efficacy and Future Directions for Enhancing Motor Function," Luca and his colleagues discuss the method of deep brain stimulation (DBS) that produces a significant improvement in motor symptoms in patients with advanced Parkinson's disease (PD). Recent advances in technology provide the ability to deliver stimulation adaptively based on cortical and subcortical brain signals, and subsequently a more physiological and precise modulation of the impaired motor network.

Chapter 23, "Neurostimulation for Gait Disorders," written by Chang and his colleagues, provides an overview of the neurophysiology and pathophysiology of common gait disorders. The authors review the most promising invasive and non-invasive strategies being investigated to improve one of our most fundamental daily activities—walking.

Other authors collectively contribute to the topic "Augmentation and Rehabilitation of Active Gaiters (University of Alberta)" when they address the treatment methods for sensory disabilities caused by lesions to the nervous systems. Such conditions are a major health and socio-economic problem and a challenge to scientific research. The authors argue that active robotic devices are an emerging domain for augmenting function in disabled patients.

### Part VI: Augmenting Cognition and Emotion

Cognition and emotion can be augmented with neural technologies. In Chap. 25, entitled "Effects of rTMS on Behavioral and Electrocortical Measures of Error Monitoring and Correction Function in Children with Autism Spectrum Disorder," Sakhilov and his colleagues suggest that error monitoring and correction is one of the executive functions that is important for effective goal-directed behavior. The chapter provides rationale to use ERN and PC, along with behavioral performance

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ROMÂNIA  
JUDICĂTORIA SECTORULUI 4 BUCUREȘTI  
Secțiunea nr. 389  
Sediul din Camera de Consiliu de la data de 20.06.2007  
INSTANȚA COMPUSĂ DIN:  
Președinte ELENA CORNELIAC  
Grefier DANIELA MAIER

Pe rol soluționează cauzele privind acordarea penselor/ajutajelor a personalității juridice a personalității fizice  
ASOCIAȚIA SOCIETĂȚII ROMÂNĂ DE NEUROREABILITARE și  
ASOCIAȚIA SOCIETĂȚII ROMÂNĂ DE NEUROREABILITARE prin  
Înscrisura în Registrul asociațiilor și fundațiilor judecătorești sector 4 București.  
La apărare nominal fiind în Camera de Consiliu a instanței prezenta prin  
reprezentant.

Procedura legal îndeplinită.  
S-a făcut referință cauzei de către grefierul de județ după care, constatând  
cauzele în stare de judecată, instanța a dispus spre soluționare.

INSTANȚA

**Deliberând cauzată amănunțit:**

Prin cauză înregistrată pe rolul instanței înscrisura în data de 07.06.2007 prezenta  
ASOCIAȚIA SOCIETĂȚII ROMÂNĂ DE NEUROREABILITARE a  
solțicit instanței acordarea penselor/ajutajelor juridice în conformitate cu dispozițiile  
Ordonanței Guvernului nr. 24/2000.

La dosarul cauzii s-au depus amănunțit actele, actele de înscrisură,  
deciziile puntermedicale emise de CEC, în cantitatea de 940 lei, în copie scane, actul de  
constatare al asociației, actele sale nr. 34/14.05.2007 în aceeași Camera Zambă,  
actele societății actente sale nr. 31/14.05.2007 în aceeași Camera Zambă, deciziile  
dispensatologice emise nr. 5209/03.01.2007 eliberate de Ministerul Justiției,  
deciziile medicală constatând de comă totală actente sale nr. 41/22.05.2007 în aceeași  
Camera Zambă, certificatele de deces fiind și discutate.

Aplicarea a fost legal studiată cu toate de 17 zile mai puțin de studiu și  
cu toate de 0, 3 zile studiu juridic.

Realizând actele depuse în dosar instanța, actele și prezenta a solțicit  
acordarea penselor/ajutajelor juridice, cauzele înscrisură, înscrisura a depus în cauză actele  
necesare delimitării personalității juridice sau cum prezintă dispozițiile legale.

În consecință, instanța va admite cererea și în baza art. 8 din O.G. nr.  
24/2000 modificată și completată prin Legea 264/2005 va dispune înscrisura  
prezentă în Registrul asociațiilor și fundațiilor judecătorești sector 4 București, menite  
prezent cauză.

**PENTRU ACESTE MOTIVE  
D I S P U N E,**

Admite cererea prezente ASOCIAȚIA SOCIETĂȚII ROMÂNĂ DE  
NEUROREABILITARE cu sediul în București, prin București, nr. 12, sector 4 -  
LA Clasa EMFB a Spitalului Clinic de Urgență „Sf. Spiridon” - Amara”

Depune înscrisura prezente în Registrul asociațiilor și fundațiilor instanței.

Cu drept de recuză în termen de 3 zile de la pronunțarea prezentei prezente și de  
la comunicarea prezentei Ministerului Public.

Pronunțată pe județul public, act 20.06.2007.

PREȘEDINTE,  
ELENA CORNELIAC

GREFIER,  
DANIELA MAIER



ROMÂNIA  
JUDICĂTORIA SECTORULUI 4 BUCUREȘTI  
Secțiunea nr. 389  
Sediul din Camera de Consiliu de la data de 20.06.2007  
INSTANȚA COMPUSĂ DIN:  
Președinte ELENA CORNELIAC  
Grefier DANIELA MAIER

Pe rol soluționează cauzele privind acordarea penselor/ajutajelor juridice a personalității fizice a personalității fizice  
ASOCIAȚIA SOCIETĂȚII ROMÂNĂ DE PATOLOGIE TERAPIE ȘI  
RECUPERARE VERTEBRĂ - MEDULARE prin Înscrisura în Registrul  
asociațiilor și fundațiilor judecătorești sector 4 București.

La apărare nominal fiind în Camera de Consiliu a instanței prezenta prin  
reprezentant.

Procedura legal îndeplinită.  
S-a făcut referință cauzei de către grefierul de județ după care, constatând  
cauzele în stare de judecată, instanța a dispus spre soluționare.

INSTANȚA

**Deliberând cauzată amănunțit:**

Prin cauză înregistrată pe rolul instanței înscrisura în data de 07.06.2007 prezenta  
ASOCIAȚIA SOCIETĂȚII ROMÂNĂ DE PATOLOGIE TERAPIE ȘI  
RECUPERARE VERTEBRĂ - MEDULARE a solțicit instanței acordarea  
penselor/ajutajelor juridice în conformitate cu dispozițiile Ordonanței nr.  
24/2000.

La dosarul cauzii s-au depus amănunțit actele, actele de înscrisură,  
deciziile puntermedicale emise de CEC, în cantitatea de 400 lei, în copie scane, actul de  
constatare al asociației, actele sale nr. 34/14.05.2007 în aceeași Camera Zambă,  
actele societății actente sale nr. 31/14.05.2007 în aceeași Camera Zambă, deciziile  
dispensatologice emise nr. 5209/03.01.2007 eliberate de Ministerul Justiției,  
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cu toate de 0, 3 zile studiu juridic.

Realizând actele depuse în dosar instanța, actele și prezenta a solțicit  
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24/2000 modificată și completată prin Legea 264/2005 va dispune înscrisura  
prezentă în Registrul asociațiilor și fundațiilor judecătorești sector 4 București, menite  
prezent cauză.

**PENTRU ACESTE MOTIVE  
D I S P U N E,**

Admite cererea prezente ASOCIAȚIA SOCIETĂȚII ROMÂNĂ DE  
PATOLOGIE TERAPIE ȘI RECUPERARE VERTEBRĂ - MEDULARE  
cu sediul în București, prin București, nr. 12, sector 4 - LA Clasa EMFB a Spitalului  
Clinic de Urgență „Sf. Spiridon” - Amara”

Depune înscrisura prezente în Registrul asociațiilor și fundațiilor instanței.

Cu drept de recuză în termen de 3 zile de la pronunțarea prezentei prezente și de  
la comunicarea prezentei Ministerului Public.

Pronunțată pe județul public, act 20.06.2007.

PREȘEDINTE,  
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- Sociologist. Florica Georgescu (MF)

## Management Structure

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- Dr. Carmen Chipăruș (MF)

- Prof./ Kinetoterapeut Dinu

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- Dr. Magdalena Lăpadat (MF)

- Sociol. Florica Georgescu (MF)





Gelu Onose

From: "MICHAEL BARNES" <m.p.barnes@btinternet.com>  
To: <geluonose@rdslink.ro>  
Cc: "Tracey Mole" <tracymole@wfnr.co.uk>; "Klaus von Wild" <kvw@neurosci.de>  
Sent: 27 July 2008 11:17  
Subject: Romanian Society

Dear Gelu,

Thank you for your e-mail to Tracey. I am very pleased to welcome the Romanian Society to the WFNR. You, as President, are now a member of the Management Committee and thus welcome to attend the next meeting in Branzia (Tracey can send details of the timing). If you can send the names/addresses of you members we can send out individual WFNR membership cards and passwords for the web site, etc. There is a membership fee of 10 euros per member but we can waive that for the first year as we understand that new societies may not yet have enough funding - if you have plenty of money then let me know! I hope we can meet up in Branzia. Best wishes Mike

Professor Michael P Barnes MD FRCP Walkergate Park  
International Centre for Neurorehabilitation and  
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INTERNATIONAL SPINAL CORD SOCIETY

4<sup>th</sup> November 2009

Prof Gelu Onose, MD, PhD  
President  
The Romanian Spinal Cord Society (RoSCoS)

E-mail: [geluonose@rdslink.ro](mailto:geluonose@rdslink.ro)

Dear Prof Onose

I am delighted to confirm that at the Annual General Meeting of the International Spinal Cord Society held on Friday 23<sup>rd</sup> October 2009, the Romanian Spinal Cord Society (RoSCoS) was formally elected as an Affiliated Society of ISCoS.

The RoSCoS details will be put on our web site and we have listed your name as the contact person together with the above email address. If you have a web site then please send us the details so that this information can also be included.

As the representative for RoSCoS you are required to inform us of dates and venues of regional meetings and to submit a short report each year on your activities.

Sincerely

W S El Masri (Y)  
President  
International Spinal Cord Society







**Philippine Society of Neurorehabilitation**

President: Professor R Reynaldo Rey-Matias  
[drreymatias@gmail.com](mailto:drreymatias@gmail.com)

**Romanian Society for Neurorehabilitation**

President: Professor Gelu Onose  
[geluonose@gmail.com](mailto:geluonose@gmail.com)  
[Annual Report 2022](#)

**Russian Association of Neurological Rehabilitation**

President: Professor Eugene Gusev  
[a.shpak@g23.43relcom.ru](mailto:a.shpak@g23.43relcom.ru)

**Siberian Association of Neurorehabilitation**

President: Professor Pavel Pilipenko  
[pilipen@rambler.ru](mailto:pilipen@rambler.ru)

**South African Neurological Rehabilitation Association**

President: Tamsyn Bernath  
[tamsynbernath@hotmail.com](mailto:tamsynbernath@hotmail.com)  
[Annual Report 2021](#)

**Spanish Society of Neurorehabilitation**

President: Joan Ferri Campos  
[joan@neurorhb.com](mailto:joan@neurorhb.com)  
[www.neuro-reha.com](http://www.neuro-reha.com)  
[Annual Report 2021](#)

# Smart Diaspora 2023

The screenshot displays a web browser window with the URL [http://www.escf.org/ESCF\\_members\\_organisation/romania.htm](http://www.escf.org/ESCF_members_organisation/romania.htm). The page title is "Romania | ESCF - European...". The browser's address bar shows "Convert" and "Select" buttons. The website content includes a navigation menu on the left with the following items:

- Home Page
- About ESCF
- Spinal Cord Injury
- Members & Organisations**
  - Albania
  - Austria
  - Belgium
  - Bosnia Herzegovina
  - Croatia
  - Cyprus
  - Czech Republic
  - Denmark
  - England
  - Finland
  - France
  - Germany
  - Ireland
  - Italy
  - Lithuania
  - Netherlands
  - Norway
  - Portugal
  - Romania**
  - Scotland
  - Serbia

The main content area is titled "Romania" and features the Romanian flag. Below the flag, the following contact information is provided:

**ROSCiS**  
Emergency Hospital Bagdasar-Arseni  
6d 12 Berceni  
Bucharest

Telephone: +4021 / 3343025(67)/1001  
Fax: 004021 / 3343042  
Email: [geluonosa@clicknet.ro](mailto:geluonosa@clicknet.ro)  
Website: [www.riscd.ro](http://www.riscd.ro)

At the bottom of the screen, the Windows taskbar is visible, showing the system tray with the date and time: 11:42 AM, 9/2/2017.

## Main achievements (in chronological order)

Since their establishment, RoSNeRa and RoSCoS have been involved in:

### Co-organization (in chronological order) of:

- The First Edition of the National Conference of Neurosurgery and NeuroRehabilitation, with International Participation – which took place in June 2007, in **Ocna Sibiului/ Romania**
- International Neurosurgery Conference, which took place in September 2007, in **Bucharest/ Romania**
- The first training session at national and regional level, regarding the equipment and methods of using **Extracorporeal Shock Wave Therapy (TUES/ESWT)** in neuro/musculo-skeletal pathology, which took place in March 2008, in **Bucharest (Teaching Emergency Hospital "Bagdasar-Arseni" (TEHBA)/ Romania**
- The 6th Congress and Meeting of the AMN (Academy of Multidisciplinary NeuroTraumatology) members, which took place in April 2008, in **Cluj Napoca/ Romania**
- **Annual National Conference of the Romanian Society of Neurosurgery**, with International Participation, which took place in September-October 2008, in **Iasi/ Romania**

- The 3rd International Conference on Biomaterials and Medical Devices (BioMed), which took place in November **2008**, in **Bucharest/ Romania**
- International inter/multi-disciplinary meeting (Rehabilitation/Plastic surgery, assistive technology engineering) for the launch, in Romania, of the "**ActiGait, implantable peroneal stimulator**" project, which took place in March **2009**, in Bucharest (TEHBA)/ Romania
- The 2nd Edition of the National Conference of Neurosurgery and NeuroRehabilitation, with International participation, which took place in September **2009**, in **Mamaia/ Romania**
- The first edition of the Symposium with International Participation "Lyme Borreliosis – the disease of 1000 girls" – Scientific Coordinator: Prof. Dr. G. Onose - which took place in November **2009**, in **Bucharest/ Romania**
- Collegial support and advice in the organization of the 8th AMN International Congress, which took place in May **2010**, in Stowe, Vermont/ USA

# FIRST EDITION



From left to right:  
G. Onose - President of RoSNeRa and RoSCoS  
A. Anghelescu - Vice-president of RoSNeRa and RoSCoS  
S. Aito - Vice-president of ISCoS  
A. V. Ciurea - President of the Romanian Society of  
Neurosurgery – SRN



**THE NATIONAL CONFERENCE OF NEUROSURGERY  
AND NEUROREHABILITATION**

**With International Participation**

**- 1<sup>st</sup> edition - OCNA SIBIULUI, 7-10.06.2007**

**FINAL PROGRAM and ABSTRACT BOOK**

**Under the high patronage of the:**

**Romanian Authority for Scientific Research - the  
National RDI Programs "VIASAN", "INFOSOC",  
"CORINT" Romanian Academy of Medical Sciences**

**PRESIDENTS OF THE CONFERENCE:**

**Prof. A.V. Ciurea, MD, PhD  
Eng. Șt. T. Crăciunoiu, PhD  
Assoc. Prof. G. Onose, MD, PhD**

**SCIENTIFIC COMMITTEE:**

Prof. Rodica Chiriac, MD  
Prof. Lia Georgescu, MD  
Assoc. Prof. M. Gorgan, MD  
Assoc. Prof. A. Nistorescu, MD  
G. Vasilescu, MD - RSN Secretary  
F. Stoica, MD  
L. Nuteanu, MD

**ORGANIZING COMMITTEE:**

A. Anghelescu, MD - coordinator  
V. Avramescu, Eng - coordinator  
Cristina Chendreanu, MD - secretary Loredana Paun, Eng- secretary  
Gratiela Epureanu, Eng - secretary  
R. Rizea, MD - secretary  
Veronica Clincea  
Madalina Oprea

## MAIN TOPICS:

1. Recent advances in the treatment and rehabilitation of SCI
2. Low back pain
3. Actual possibilities of treatment and neurorehabilitation in low back pain
4. Varia

## Round tables:

- “Actual items and trends in the Neurosurgery and Neuro-rehabilitation specialised training

Co-chairmen: Prof. Rodica Chiriac, Prof. Lia Georgescu, Prof. I. Poeta, Assoc. Prof. C. Costea. Moderators: Irina Ogezeanu, MD, PhD, Cristina Chendreanu, MD

- “E- Health: Improving the neurological disabled persons’ quality of life therapeutic & research opportunities, rehabilitation outcomes”

Chairman: Prof. D. Banciu. Moderators: Assoc. Prof. G. Onose, Eng. Emilia Visileanu, PhD, F. Stoica, MD, PhD)

## Consensus meeting:

Institutional initiation of a specific type of “Inter”-Clinic Division/ Department for appropriate care of vegetative states



## HONORED GUESTS / INVITED SPEAKERS:

- Prof. S. Aito, MD (Italy)  
Prof. A. Anton, Eng. (Romania)  
Prof. C Balaceanu-Stolnici, MD (Romania)  
Eng. Emilia Visileanu, PhD, (Romania)  
Prof. Doina Banciu, Eng. (Romania)  
Prof. Al. Constantinovici, MD (Romania)  
Prof. C. L. Cooper, MD (United Kingdom)  
Prof. C. Costea, MD (Romania)  
Assist. Prof. Margareta Florescu, Ec.  
(Romania)  
Assoc. Prof. S. Florian, MD (Romania)  
Assoc. Prof. G. Iacob, MD (Romania)  
Prof. N. Ianovici, MD (Romania)  
Prof. Manuela Mihalache, MD (Romania)  
Prof. C. Oprean, Eng. (Romania)  
Prof. O. Purcarea, Eng. (European Union)  
Prof. K. von Wild, MD (Germany)

THE NATIONAL CONFERENCE  
OF NEUROSURGERY AND NEUROREHABILITATION  
WITH INTERNATIONAL PARTICIPATION  
-THE SECOND EDITION-  
MAMAIA, 9th - 12th OF SEPTEMBER, 2009

MAIN SPONSOR: NYCOMED

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# Smart Diaspora 2023



## PRESIDENTS:

Prof. **Gelu Onose**, MD, PhD – President of RoSNeRa and RoSCoS  
PhD, Eng. **Emilia Visileanu** – Director of the NIRDTL (INCOTP)  
Prof. **Petru Bordeni**, MD, PhD – Dean of the Faculty of Medicine within Ovidius University, Constanța  
Prof. **Alexandru Vladimir Ciurea**, MD, PhD – Honorary President of 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:

Asst. Prof. **Camelia Ciobotaru**, MD, PhD  
Prof. **Ian Lascăr**, MD, PhD  
Prof. **Dafin Flor Mureșanu**, MD, PhD  
Prof. **Ian Petre Florescu**, MD, PhD  
Assoc. Prof. **Liliana Pădure**, MD, PhD  
**Ana Capășiu**, MD, PhD  
Assoc. Prof. **Cristian Oana**, MD, PhD  
Asst. Prof. **Viorel Lucescu**, MD, PhD  
**Fery Stoica**, MD, PhD  
Prof. **Dan Enescu**, MD, PhD

## ORGANIZING COMMITTEE:

Asst. Prof. **Aurelian Angheliescu**, MD, Postgrad  
**Valeriu Avramescu**, Eng, Postgrad  
Univ. Asst. **Cristina Dala Chendreanu**, MD, Postgrad  
Univ. Prep. **Andrada Mirea**, MD  
Univ. Prep. **Radu Rizea**, MD, Postgrad  
Univ. Asst. **Monica Haras**, MD, Postgrad  
**Aura Spînu**, MD  
**Cristina Popescu**, MD  
**Loredana Păun**, Eng, Postgrad  
**Roxana Grajdănescu**, Eng, Postgrad  
**Cătălin Orășanu**, Eng, Postgrad  
**Ioana Andone**, MD

## LOCAL COMMITTEE:

Assoc. Prof. **Oțga Surdu**, MD, PhD  
Prof. **Ian Berdeleanu**, MD, PhD  
Univ. Asst. **Anatoli Eugen Cevaleev**, MD  
Univ. Asst. **Adriana Cișpa**, MD  
Prep. Univ. **Trăian Surdu**, MD  
**Viorica Marin**, MD  
**Elena Ionescu**, MD  
**Sibel Demigean**, MD  
**Dana Proff**, MD

## HONORED GUESTS / INVITED SPEAKERS:

Prof. **Stephanie Clarke**, PhD – President elect of WFNR, Head of Neuropsychology and Neuro rehabilitation Service of Nestlé Hospital, Lausanne, Switzerland  
Prof. **Volker Hämberg**, 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 Storozenko**, MD, PhD – President of FEMTEC – President of National Spa Association, (Russian Federation)  
Prof. **Umberto Solimano**, MD, PhD – Secretary General of FEMTEC – Director of Collaborating Centre for Traditional Medicine of the World Health Organisation, (Italy)  
Prof. **Constantin Ionescu-Târgeviște**, MD, PhD – President of Romanian Medical Association, Head of the Diabetes Mellitus and Nutrition Diseases Division and Chair "N. Paulescu" Institute, Bucharest, Romania  
Prof. **Alexander Razuouov**, MD, PhD – Director „All Russia Scientific Research Centre for Restorative and Resort Medicine”, Full member of Russian Academy of Medical Sciences, Russia  
Prof. **Florana Menéndez**, MD, PhD – Vicepresident of FEMTEC, in charge for all Latin America (Cuba)



#### Letter of appreciations and support

On behalf of the Leadership of the Romanian Academy of Sciences and of the Romanian Medical Association I am delighted to address some introductory words on the occasion of the official opening ceremony of the 2nd edition of the National Conference of Neurosurgery and Neurorehabilitation, with International Participation, to be held in Mamaia, the 9<sup>th</sup>-12<sup>th</sup> of September, 2009.

It is a great satisfaction for all the academic medical structures of our country to have the opportunity to appoint such prestigious scientific meetings including with a highest level international participation and recognition.

Although, unfortunately I can not directly participate to this very important Conference as I have to be in the same time present to another International Congress belonging to my own medical speciality - I am aware of the remarkable endeavours subsequent to the organizing of this complex meeting and further more of the great importance, usefulness and actuality of the rapidly growing domain of neurorehabilitation and also of the very high scientific content of the work programme and topics addressed in remarkably valuable papers.

Therefore I express once again my regrets of not being able to directly join you on the occasion and to strongly wish you complete success of this second edition of an - I am sure both mostly honourable and of tradition becoming such an elevated interdisciplinary Conference.

**ACAD. PROF. CONSTANTIN IONESCU - TARGOVISTE**

President of The Romanian Medical Association

Vice president of The Romanian Academy of Science





## 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



From left to right: **G. Onose**, **U. Solimene**, N. Storozhenko, **F. Menendez**, **G. Brunelli**, **V. Hömberg**, **K.v. Wild**, A. Razumov, **P. Bordei**



From left to right: **V. Hömberg**, **S. Clarke**, **K.v. Wild**, **S. Aito**, **F. Menendez**

Smart  
Diaspora  
2023



FEDERATION MONDIALE DU THERMALISME ET DU CLIMATISME  
WELTYVERBAND FÜR BALNEOLOGIE UND KLIMATOLOGIE  
ВСЕМИРНАЯ ФЕДЕРАЦИЯ ВОДОЛЕЧЕНИЯ И КЛИМАТОТЕРАПИИ  
WORLD FEDERATION OF HYDROTHERAPY AND CLIMATOTHERAPY  
FEDERAZIONE MONDIALE DEL THERMALISMO E DELLA CLIMATOTERAPIA  
FEMTEC

Non-governmental Organization acknowledged by WHO

President: Prof. Nikolai Storozenko  
National Spa Association of Russia, P.O.B. №29, Moscow, 109004 (Russia)  
Tel/Fax (+7) 495-4982113 e-mail: storozi@yandex.ru  
Secretary General: Prof. Umberto Solimene  
Centro di Terapia Medica e Medicina Female Università degli Studi di Milano  
Via Cavigliani 7, 20129 Milano (Italy)  
Tel (+39) 02-5031446/5 Fax (+39) 02-5031446/1 e-mail: u.solimene@unimi.it  
Web site: www.femteconline.com

21 SET 2009

Prof. GELU ONOSE, MD, PhD  
President of The Romanian Society  
for Neurorehabilitation (RoSNeRa)  
UNIVERSITY OF BUCAREST

Dear Friend,  
I should like to express you my warmest thanks and the best congratulations for the excellent National Conference of Neurosurgery and Neurorehabilitation organized in Maastricht.  
For all of us, it was an excellent occasion of knowledge and meet new friends.  
For FEMTEC an important occasion of developing our activities.  
During the WHO European Meeting in Copenhagen I had the occasion to meet Romanian Delegation from Ministry of Health and I spoke with them about your excellent Congress.  
My dear friend, once again best thanks, from all of us and from Delegation of FEMTEC (Prof. Storozenko and Razumov).

My best and warmest greetings and thanks

Umberto Solimene  
FEMTEC Secretary General  
Professor State University of Milan

Umberto Solimene



Prof. GELU ONOSE, MD, PhD, President of the Romanian Soc for Neurorehabilitation (RoSNeRa), WFNR Management Committee Member  
Hospital RDI Director and Coordinator of the PRM Discipline & Clinic Division, University Emergency Hospital "Bagdasar-Arseni", Berceni Av., No.12, postal code: 041915, 4th Sector, Bucharest, Romania

Munster, 03/03/2010

The National Conference of Neurosurgery and Neurorehabilitation with International Participation, Mamaia, 9<sup>th</sup> – 12<sup>th</sup> of September

Letter of appreciation

Dear Prof. Gelu Onose,

First of all we have to apologize for the delay in writing to you. Let us first send you our best wishes for a successful and healthy 2010. I hope that all of our common activities will have good progress.

Let us take the opportunity to thank you again for the beautifully organized meeting in Mamaia and to express our appreciation for your excellent and stimulating programme as we experienced by your personal organisation. The World Federation for Neuro-Rehabilitation is very grateful to you and your colleagues from Romania bringing forward science and education in Neurological Rehabilitation in your country and at the same time demonstrating your close and trustful cooperation within the fields of Neurology and Neurosurgery.

In the name of WFNR we are honoured to express our thanks to all who collaborated in this effort. Further more we are also delighted that you reached a Salomon like solution concerning the coexistence of two neuro-rehab-societies. We will be happy to help you in all activities merging these two societies to just one powerful academic society.

I hope that also in 2010 we will go on with the educational, scientific and research activity of the Romanian society in WFNR activities.

Looking forward to see you the latest in Vienna with our best regards

  
Prof. Dr. Volker Hörmberg

WFNR Secretary General

Director St. Mauritius Therapieklinik Strümpfer Straße 111, 40670 Meerbusch, Tel. (02150) 679-1554

  
Prof. Dr. Klaus von Wild

*International **participations** (through RoSNeRa and/or RoSCoS members – including with/ through **works presented orally or posters/ scientific research projects/ collaboration agreements/ cooperation proposals – in chronological order), to:***

- the **2nd Congress of the Society for the Study of Neuroprotection and Neuroplasticity**, which took place in March **2006**, in **Poiana Brasov/ Romania**
- the winter **Meeting of the European Association of Neurosurgery Societies (EANS)**, which took place in February **2007**, in [Antalya/ Turkey](#)
- the joint meeting of the International and Nordic Spinal Cord Societies: **the 46th Annual Scientific Meeting of the International Spinal Cord Society (ISCoS) and the 10th NoSCoS Congress**, which took place in June-July, **2007** in [Reykjavik/ Iceland](#)
- the **3rd Congress of the Society for the Study of Neuroprotection and Neuroplasticity**, which took place in March **2007**, in **Bucharest/ Romania**

- **The 4th Congress of the European Spinal Cord Injury Federation (ESCIF)** and Assembly of delegates, which took place in April, **2008**, in [Umag/ Croatia](#) – on this occasion: **official affiliation of the RoSCoS to the ESCIF**
- **Exchange of experience**, completed with an "**Agreement in principle**" (signed by Prof. Dr. **W.S. El Masry**, **President-Elect of ISCoS** and Prof. Dr. **G. Onose**, **President of RoSCoS** and RoSNeRa) regarding the **collaboration between the relevant Romanian specialists and the Midlands Center for spinal cord injuries**, within the Robert Jones & Agnes Hunt Orthopedic Hospital - agreement agreed in May **2008**, in [Oswestry, Shropshire/ Great Britain](#)
- "**Collaboration and Confidentiality Agreement**", with the [Fraunhofer Institute](#) – Computer Architecture and Software Technology/ Rechnerarchitektur und Softwaretechnik (FRIST), **Berlin, Germany**, on a clinical study - at their request – regarding the **EEG-based brain-computer interface applied to chronic patients with spinal cord injuries (tetraplegics)**, using a robotic "arm" with functional assistive technology, put into practice in July **2008**, in **Bucharest/ Romania**

AGREEMENT IN PRINCIPLE

This is an agreement in principle, for long term multi level cooperation, between the Director of the Midlands Center for Spinal Injuries, WS EIMaari and the Physical Rehabilitation Medicine (PRM) Prof dr Gela Onose – the Romanian National Reference Center for Neurorehabilitation and respectively the Romanian Spinal Cord Society (ROSCoS)

This agreement, is based on the following

- Previous correspondence,
- Common domain of professional interest
- Good mutual understanding and sharing of opinions in various scientific meetings
- The common interest and belief on the importance of National an International data bases
- Strong mutual appreciation and the strong encouragement over the years, by Professor's EIMaari to the President of ROSCoS

We have agreed in principal, to the following long term partnership proposal

1. CLINICAL MANAGEMENT AND CARE GIVING

Mutual exchange of experience between practitioners involved in the comprehensive / multidisciplinary management of SCI patients, including: doctors, general nurses, therapist (PT, OT), psychologist, social worker, counselor, health managers / politicians, etc.

2. THE PROMOTION OF ADVOCACY TO IMPROVE QUALITY OF LIFE OF PATIENTS WITH SCI:

Psychological, social, professional, economic, vocational, employment laws  
Mobility, access (private & public), transport (private & public), accommodation

3. BASIC CLINICAL AND TRANSLATIONAL RESEARCH

Possible partnership in international applications for RDI projects within FP 7

4. EDUCATION AND PROFESSIONAL TRAINING

5. SHEARING INFORMATION AN IF POSSIBLE DATA BASES WITHIN OF CONSTRAINTS OF THE LAW

28/05/2008

MIDLANDS CENTRE FOR SPINAL INJURIES  
RJAH ORTHOPAEDIC HOSPITAL,  
OSWESTRY  
SHROPSHIRE SY10 7AG  
Tel: 01891 454413

Dr. WS EIMaari FRCS Ed; FRCP  
Director of the Midland Center for Spinal Injuries,  
President Elect of ISCOS  
Honorary president of ROSCOS

Prof. Dr. Gela Onose  
Director of RDI of Emergency Clinic Baganu Arseni, Bucharest, Romania  
Chief of PRM Clinic Division  
President of ROSCoS

Asist. Prof. Dr. Angheliescu Aurelian  
Vice-president ROSCoS





## Collaboration and Confidentiality Agreement

between

**Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e. V.**,  
Hansstraße 27 c, D-80804 München, Federal Republic of Germany

- hereinafter referred to as «FHG» -

as legal entity for

**Fraunhofer-Institute for Computer Architecture and Software Technology (FIRST)**  
Kekuléstraße 7, D-10589 Berlin, Federal Republic of Germany

- hereinafter referred to as «FHG-FIRST» -

and between

**Spitalul Clinic de Urgenta "Bogdan-Arseni"**,  
Av. Bercei, No.12, codul 041915, Sector 4, Bucharest, Romania

- hereinafter referred to as «SCUBA»

as legal entity for

The (same location) **Physical & Rehabilitation Medicine Clinic Division** (scientifically  
affiliated by the University of Medicine & Pharmacy - UMF - "Carol Davila", Bucha-  
rest)

- hereinafter referred to as «PRM» -

Whereas:

FIRST is hosting the Marie Curie Excellence Team "BrainRobot", an EC-FP6 project.  
BrainRobot is a system by which severely paralyzed (tetraplegic) patients may regain  
some of their hand function (grasping objects) by controlling a wheelchair-mounted  
robot via a non-invasive brain computer interface and eye tracking glasses.

SCUBA/UMF/PRM have wide experience in medical research on spinal cord injury  
treatment.

SCUBA/UMF have presented the issue to their Bioethics Commission and they ap-  
proved the study.

Pertaining to the previous E-Mail Conversation between Prof. Gelu Onose and Ph.D.  
Florin Popescu, the parties intend to perform a scientific test of BrainRobot with volun-  
teer subjects chosen among patients in medical care of SCUBA. The estimated testing  
period will be July 14 until 1.8. 2008.

The lists of staff participating in executing the work plan are:

for FHG-FIRST: Florin Popescu, Ph.D.; Cristian Grasso, Ph.D.; Simona Fazi; Marton  
Doroczy.

respectively: formation, staff - except the technical support) allowing for  
ordering commensurate with the leadership positions of the two research teams  
(Florin Popescu and Gelu Onose) and with the possible scholar scientific  
contribution of a colleague from Fraunhofer-FIRST.

The Parties agree that any Confidential Information is made available "as is" and  
that no warranties are given or liabilities of any kind are assumed with respect to  
the quality of such Confidential Information, including, but not limited, to its  
truth for the purpose, non-infringement of third party rights, accuracy,  
completeness or its correctness.

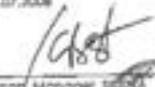
PRM shall ensure that the patients participating in the study meet the selection  
criteria and that they give their prior written consent to participate in the study  
after having been informed by PRM.

1. This Agreement shall come into force on the date of the last signature and shall  
thereafter be valid for 6 months. The obligation of confidentiality hereunder shall  
continue to be valid for a period of 2 years after the end of the term of this  
Agreement.

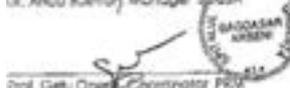
2. Ancillary agreements, amendments, additions hereto must be made in writing.

3. If any provision of this Agreement is determined to be illegal or in conflict with the  
applicable law, the validity of the remaining provisions shall not be affected. The  
ineffective provision shall be replaced by an effective provision which is  
economically equivalent. The same shall apply in case of a gap. This agreement is  
printed in 4 exemplars provided to the institutional entities (3- FHG 2-SCUBA).  
A further 14 copies will be given to the members of each team as individual  
notification.

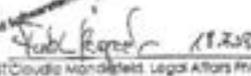
Bucharest, 14.07.2008

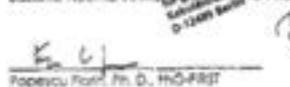
  
Dr. Anca Bulmar, Manager SCUBA

  
Mihaela Holduc, Legal Counselor SCUBA

  
Prof. Gelu Onose, Coordinator PRM

  
Sabina Neumann, Manager PRM

  
Prof. Claudia Manolescu, Legal Affairs PRM

  
Popescu Florin, Ph. D., HO-FIRST



- The **47th ISCoS Annual Scientific Meeting**, which took place in September **2008**, in [Durban/South Africa](#)
- The **5th Congress of the World Federation for Neurorehabilitation (WCNR)**, which took place in August **2008**, in [Brasilia/ Brasil](#)
- The **7th Mediterranean Congress of Physical Medicine and Rehabilitation**, which took place in September **2008**, in [Portoroz/Slovenia](#)
- The **International ("summer") School for Biological Treatment of spinal cord injuries**, which took place in October **2008**, in [Vienna/ Austria](#) (selected for invitation: **Prof. Dr. Onose**)
- **Conference on International standards in spinal cord injuries and data sets** - Coloplast Humleback, which took place in October **2008**, in [Copenhagen/ Denmark](#)
- The **7th International Symposium on Experimental Repair and Regeneration of the Spinal Cord**, which took place in February **2009**, in [Brescia/ Italy](#)

- The **Meeting of the Management Committee of the World Federation for NeuroRehabilitation – WFNR** (for the preparation of the 6th Congress of the WFNR - WCNR, **2010**, [Vienna/ Austria](#)), meeting that took place in April 2009, in Vienna/Austria (invited: **Prof. Dr. Onose**)
- The **5th ESCIF Congress and Assembly of Delegates**, which took place in May, **2009**, in [Vienna/ Austria](#)
- The **5th World Congress of the International Society of Physical and Rehabilitation Medicine (ISPRM)**, which took place in June **2009**, in [Istanbul/ Turkey](#)
- The **48th ISCoS Annual Scientific Meeting**, which took place in October 2009, in [Florence/ Italy](#)
- The **7th AMN Annual Congress** - in conjunction with the **14th Annual Scientific Meeting of the Hong Kong Neurosurgery Society (HKNS)** – which took place in November **2009**, in [Hong Kong](#) (invited speaker: **Prof. Dr. G. Onose**)
- The **6th Congress of the World Federation for NeuroRehabilitation (WFNR)**, which took place in March **2010**, in [Vienna/ Austria](#) (member of the Management Committee and invited speaker: **Prof. Dr. G. Onose**)

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Vienna / Austria

[www.wcnr2010.org](http://www.wcnr2010.org)



**WFNR**  
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6<sup>th</sup> WORLD CONGRESS FOR  
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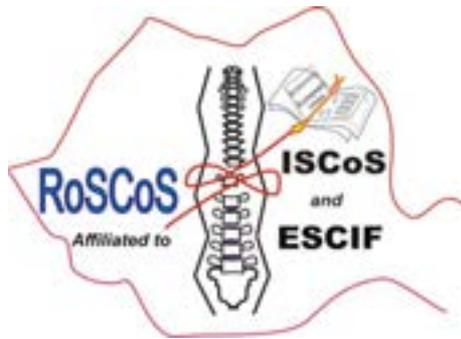
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- **The calculation, starting from 2008**, in partnership with the National School of Public Health, Management and Improvement in the Health Domain, Bucharest, by querying (based on the diagnostic codes selected by us - members of RoSCoS and RoSNeRa and through financial support by RoSCoS, currently) by the staff of the respective institution, of the database of the national application DRG (Australian classification), with appropriate accuracy, **of the incidence of spinal cord injury in our country, in the years 2008 and 2009**
- Following the completion of the research project through which **we created an IT portal dedicated to sequelae after spinal cord injuries** (including a database matrix, with a dynamic clustering mechanism, related to such patients: Romanian Informatics on Spinal Cord Injury – acronym: **RISCI**), as well as the direct consequence: the inclusion, within a national public health program, of the financial support decision regarding the **free provision of 4 catheters/day for intermittent polling and 30 urine collection bags/month, to all patients with neurogenic bladder (most of them suffering from spinal injuries), starting with the second semester of 2008**



# Initiation of a National Informatics Network for Patients with Sequels after Spinal Cord Injury

The Teaching Emergency  
Hospital "Bagdasar-Arseni",  
in Bucharest



**Authors:** G. Onose, A. Anghelescu, F. Georgescu, C. Chendreanu, A.V. Ciurea, F. Exergian, A.S. Mihaescu, D.C. Mardare, G. Epureanu, A. Ionescu, C. Baluta, L. Paun, V. Avramescu, L. Onose, C. Dogariu, R. Ioanid, C. Nicolau, P. Armean, D. Nemes, C. Mihaescu, G. Olah, O.M. Cretu, C. Badescu, A. Momanu, M. Haras, A. Mirea, L. Padure, C. Popescu, A. Dumitrescu, B. Ungur, C. Sfetcu

## Background. General data about the project

- CEEX Program; CONSORTIAL
- CONTRACT No.: 79/2006
- BUDGET: 1.500.000 Ron
- DURATION: 31/07/2006–30/08/2008
- COMPLETE *TITLE*:  
"INITIATION OF A NATIONAL INFORMATICS NETWORK FOR DYNAMIC CLUSTERING OF PATIENTS WITH SPINAL CORD INJURY, DEDICATED TO IMPROVE THEIR QUALITY OF LIFE, BY AIMING THE EFFICIENTISATION OF THE SPECIFIC MEDICO-SOCIAL SERVICES, IN TRANSITION"
- ACRONYM: R.I.S.C.I.(Romanian Informatics on SCI)
- COORDINATING Unit: The Teaching Emergency Hospital "Bgdasar-Arseni" (TEHBA), in Bucharest
- PROJECT Director: Prof. Dr. Gelu Onose, MD, PhD

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OFICIUL DE STAT PENTRU INVENȚII ȘI MĂRCI

## CERTIFICAT

privind  
Modelul de Utilitate înregistrat  
Nr. RO 2011 00006

**Titlu:** SISTEM INFORMATIC INTERACTIV, PENTRU COLECTAREA ȘI GESTIONAREA DATELOR BIOMEDICALE ȘI SOCIALE DEDICATE DISPENSARIZĂRII AVANSATE A PACIENȚILOR.

Durata Modelului de Utilitate este de 6 ani, cu începere de la data de: 16.03.2011

Confirmați prin semnarea și aplicarea sigilei  
Director General

București, Data eliberării: 30.01.2012

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RO 2011 00006 U1  
Int.Cl. G06G 50/00 (2006.01)  
G06F 17/30 (2006.01)

### MODEL DE UTILITATE ÎNREGISTRAT

Nr. cerere: **RO 2011 00006**

Data de depunere: **16.03.2011**

Data publicării invenției și a datei stabilită de utilitate: **30.01.2012** SOPI nr. 1/2012

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Data publicării invenției și a datei stabilită de utilitate: **30.01.2012**

RO 2011 00006 U1



G Linassi, R Li Pi Shan and R J Marino - A web-based computer program to determine the ASIA impairment classification – Spinal Cord, 48: 100-104, 2010:

”Objective: To develop an interactive computer program that facilitates uniformity and accuracy in the collection and assessment of spinal cord-impairment data”

UNIVERSITY OF SASKATCHEWAN  
STANDARD NEUROLOGICAL CLASSIFICATION OF SPINAL CORD INJURY

Enter Sensory Scores

Legend:  0 = Absent,  1 = Impaired,  2 = Normal,  N = Not testable

Light Touch: C2 = 2+, C3 = 2+, C4 = 2+, C5 = 2+, C6 = 1+, C7 = 0+, C8 = 0+

Pin Prick: C2 = 2+, C3 = 2+, C4 = 2+, C5 = 2+, C6 = 1+, C7 = 0+, C8 = 0+

Any anal sensation?  Yes  No

Totals: 9 + 9 = 18 Pin Prick Score (Max: 112)  
9 + 9 = 18 Light Touch Score (Max: 112)

Reset All Fields  
Enter Sensory T-Spine Scores

Sensory score illustration

(by G Linassi, R Li Pi Shan and R J Marino - A web-based computer program to determine the ASIA impairment classification - Spinal Cord, 48: 100-104, 2010)

UNIVERSITY OF SASKATCHEWAN  
STANDARD NEUROLOGICAL CLASSIFICATION OF SPINAL CORD INJURY

Enter Motor Scores

Key Muscles: C5 = 4+, C6 = 3+, C7 = 2+, C8 = 1+, T1 = 0+

Key Muscles: L2 = 0+, L3 = 0+, L4 = 0+, L5 = 0+, S1 = 0+

Any voluntary anal contraction?  Yes  No

Totals: 10 + 10 = 20 Motor Score (100)

Reset All Fields  
Enter Sensory C-Spine Scores

Instructions: Please fill in the textboxes by using your keyboard. To speed up the data entry process, you can also use the + / - buttons to quickly change all the textboxes beneath it.

Quick Tip: You can advance from one textbox to the next by using the TAB key.

Legend: 0 = Total paralysis, 1 = Palpable or visible contraction, 2 = Active movement, gravity eliminated, 3 = Active movement, against gravity, 4 = Active movement, against some resistance, 5 = Active movement, against full resistance, N = Not testable

Motor score illustration

(by G Linassi, R Li Pi Shan and R J Marino - A web-based computer program to determine the ASIA impairment classification - Spinal Cord, 48: 100-104, 2010)

As expression of almost thirty-five years of experience regarding

neurorehabilitation – carried out in the National Reference Center for Neurological

Rehabilitation at the Teaching Emergency Hospital "Bagdasar-Arseni", from

Bucharest, Romania, **the most representative members of RoSNeRa and**

**RoSCoS** have published **the first Romanian profile book (and the third, of large**

**size and medical level, on an international level): "Compendium of**

**Neurorehabilitation - for adults, children and the elderly"** (almost **700 pages** –

**Coordinating editors: Prof. Dr. Gelu Onose and Prof. Univ. Dr. Liliana Padure),**

**Compendium officially launched in 2009**



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## DIPLOMA

### Salonului de Carte Universitară

Se acordă Domnului Prof. Dr. Gelu Onose și Doamnei Conf.  
Dr. Liliانا-Pădure pentru cartea "Compendiu de neuroreabilitare la  
adulti, copii și vârstnici"  
prezentată la

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FARMACIE "CAROL DAVILA"

București, în perioada 1 - 7 octombrie 2009

Rector,

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# DIPLÔME



## Mechatronic Orthotic Device (MOD) – 2008

Privind posibile aplica-  
ții ale sistemelor avan-  
sate de culegere **ne-in-**  
invazivă, tip **BCI/BMI**:  
noi am ananticiptat po-  
sibilitatea **utilizării lor la**  
**exoschelete mecatro-**  
**nice/robotice** (v. mai  
departe), **cvasisimul-**  
**tan cu proiectul in-**  
**ternațional "Mergi**  
**din nou**" ("Walk Again")

[http://www.walkagainproject.org/?page\\_id=31](http://www.walkagainproject.org/?page_id=31)

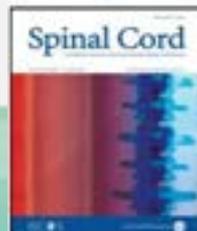




## Spinal Cord

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Volume 47, Issue 10 (October 2009)



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- [Review](#)
- [Original Articles](#)
- [Case Report](#)
- [Book Review](#)

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\*2008 Journal Citation Report (Thomson Reuters, 2009)

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### EDITOR'S PAGE

#### Neuroprotection in spinal cord injury

J J Wyndaele Editor

Spinal Cord 2009 47: 715; 10.1038/sg.sc.2009.22

[Abstract](#) | [Full Text](#)

### REVIEW

#### A review of published reports on neuroprotection in spinal cord injury

G Onose, A Angheliescu, D F Muresanu, L Padure, M A Haras, C O Chendresanu, L V Onose, A Mirea, A V Ciurea, W S El Masri and K R H von Wild

Spinal Cord 2009 47: 716-724; advance online publication, July 24, 2009; 10.1038/sc.2009.52

[Abstract](#) | [Full Text](#)

### ORIGINAL ARTICLES

#### Transplantation and repair: Combined cell implantation and chondroitinase delivery prevents deterioration of bladder function in rats with complete spinal cord injury

K Fouad, D D Pearce, W Tetzlaff and R Vaynsky

Spinal Cord 2009 47: 727-732; advance online publication, March 3, 2009; 10.1038/sc.2009.18

[Abstract](#) | [Full Text](#)



## List 1 Top 20 Articles, in the Domain of Article 19597522, Since its Publication (2009)

► What is this list? Read the [explanation](#).

► Note: when none of the articles in the list is relevant to your topic, this means there haven't been new publications on your topic in this time-frame.

► Note: **orange text** shows articles published within the past 6 months, and **green text** shows articles published within the past 18 months.

- A review of published reports on neuroprotection in spinal cord injury.**  
Onose G, Angheliescu A, Muresanu DF, Padure L, Haras MA, Chendreau CO, Onose LV, Mirea A, Cureau AV, El Masri WS, von Wido KR.  
*Spinal Cord*. 2009 Oct;47(10):716-26.

[Abstract](#) | [6 citers](#) | [More from the authors](#) | [Email gauro@donat.it](#) | [Citation export](#)

- Cerebrolysin, a mixture of neurotrophic factors induces marked neuroprotection in spinal cord injury following intoxication of engineered nanoparticles from metals.**  
Menon PK, Muresanu DF, Sharma A, Möstler H, Sharma HS.  
*CNS Neurol Disord Drug Targets*. 2012 Feb;11(1):40-9.

[Abstract](#) | [More from the authors](#) | [Citation export](#)

- A systematic review of directly applied biologic therapies for acute spinal cord injury.**  
Kwon BK, Okon EB, Plunet W, Baptiste D, Fouad K, Hillier J, Weaver LC, Fehlings MG, Tetzlaff W.  
*J Neurotrauma*. 2011 Aug;28(8):1539-610.

[Abstract](#) | [1 citer](#) | [More from the authors](#) | [Email twking@u.wa.edu](#) | [Citation export](#)

- Magnesium in a polyethylene glycol formulation provides neuroprotection after unilateral cervical spinal cord injury.**  
Lee JH, Roy J, Sohn HM, Cheong M, Liu J, Stammers AT, Tetzlaff W, Kwon BK.  
*Spine (Phila Pa 1976)*. 2010 Nov 1;35(23):2041-8.

[Abstract](#) | [More from the authors](#) | [Citation export](#)

- Spinal cord injury: a systematic review of current treatment options.**  
Cadotte DW, Fehlings MG.  
*Clin Orthop Relat Res*. 2011 Mar;469(3):732-41.

[Abstract](#) | [5 citers](#) | [More from the authors](#) | [Citation export](#)

- A systematic review of cellular transplantation therapies for spinal cord injury.**  
Tetzlaff W, Okon EB, Karimi-Abdolrezaee S, Hill CE, Sparling JS, Piemel JR, Plunet WT, Tsai EC, Baptiste D, Smithson LJ, Kawaja MD, Fehlings MG, Kwon BK.  
*J Neurotrauma*. 2011 Aug;28(8):1611-82.

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Foreword

*Preface to the Second Edition*

*Preface to the First Edition*

*Acknowledgments*

*In Memoriam*

*Contributors*

**I INTRODUCTION AND EVALUATION**

1. Development, Anatomy, and Function of the Spinal Cord  
*Darryl G. Gombman*

2. Spinal Cord Pathology  
*Donald C. Kim*

**IX SPECIAL TOPICS IN SPINAL CORD MEDICINE**

76. History of Spinal Cord Medicine  
*Sharon M. Elliott*

77. Psychological Factors in Spinal Cord Injury  
*Robert A. Steinman*

78. Social Issues in Spinal Cord Injury  
*E. Jason Hotal and Helen Brodner*

79. Caring for Spinal Cord Injury with Complementary and  
Alternative Medicine  
*Jin-Py Hwang*

80. The Financial Impact of Spinal Cord Dysfunction  
*Benjamin Filmer*

81. The Prevention of Spinal Cord Injury  
*Philip A. Fine, Phillip Jeffrey Foster, Jr., and Andrew Lindhorst*

83. VA Spinal Cord Injury and Disorders Systems of Care  
*Margaret C. Hammond*

84. International Perspectives on Spinal Cord Injury Care  
*Fin Biering-Sørensen*

85. Consortium for Spinal Cord Medicine Clinical Practice  
Guidelines  
*Thomas Strigling, Clayton J. Cohen, and Eric S. Hahn*

86. Subspecialty Certification in Spinal Cord Injury Medicine  
*Margaret C. Hammond*

87. The Commission on Accreditation of Rehabilitation  
Facilities  
*Stephen Chan*

88. Health Industry and Product Information  
*Janet E. Wilson and Jerry Clayton*

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## Principles and Practice

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SECOND EDITION



Lin09: page proofs for chapter 84 of Spinal Cord Medicine herewith Denne mail er scannet og fundet fri for Virus **Fin Biering-Sørensen** [fin.biering-soerensen@rh.regionh.dk]

To: Gelu Onose

“Dear colleagues  
Thanks to all for your help and assistance in writing this chapter (attached). Although long time ago it looks like it will be out in not too distant future.

Some of the information is a little outdated after all, but hopefully this can give some ideas to the reader!

Best wishes

Fin”

### INTERNATIONAL PERSPECTIVES ON SPINAL CORD INJURY CARE

Chapter in Spinal Cord Medicine: Principles & Practice, Second Edition. Vernon Lin

et al. Editors. Demos Medical Publishing, New York, 2010

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sub redacția  
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Întrebări și răspunsuri  
din Recuperare / NeuroReabilitare,  
Medicină Fizică și BalneoClimatologie  
- la adulți și vârstnici -  
și din Geronto-Geriatrie

*Ediție restructurată,  
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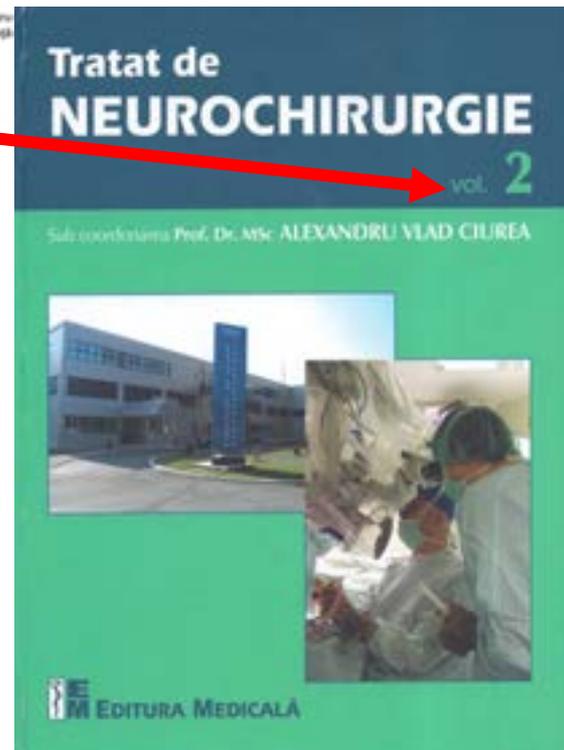
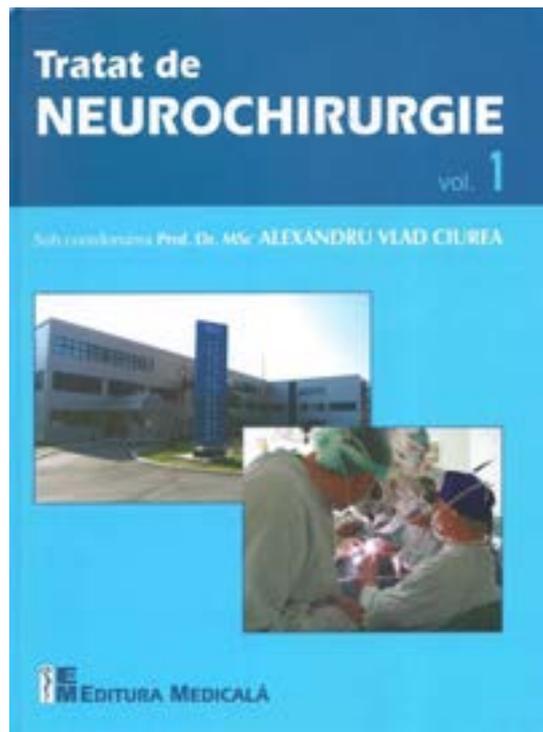
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Spinal Cord Injuries (SCI) usually generate severe impairment or even loss of lower limb and/or upper limb active mobility, sensation, coordination and/or defecation control, bladder control and/or fertility. They are devastating, especially because they are frequently irreversible. They are usually associated with cervical or thoracic lesions, emerging from trauma (disturbance of spinal cord), primary tract infections (chronic) or meningitis, degenerative, respectively metabolic and/or circulatory disturbances of blood vessels, respectively of the venous system. Now - especially during epidemics, is lower limb, positive spinal below- and/or lesions.

The SCI acute standard treatment is to prevent secondary, stabilizing just to original - intervertebral - spinal cord compression, fracture and spinal stabilization - and to control (operative and conservative) pain, introduced with long term rehabilitation program.

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## RECUPERAREA ÎN SUFERINȚE DUPĂ TRAUMATISME VERTEBROMEDULARE (TVM)

Sub redacția: Prof. dr. Cella ONOSE - editor coordonator

Autori:

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### SCURTĂ INTRODUCERE

Acest capitol face parte nemijlocită din prezentul volum, fiind înrădăcinat în circumstanțele unei probleme recuperatorii mai ample, abordată de către editorul său coordonator și colaboratorii săi asociați, într-o serie de lucrări distincte dar complementare: (Tratat de) Recuperare, Medicină Fizică și Balneoclimatologie<sup>TM</sup> - ediții de față și actualizări (VIA I, 2017 - autor: G. Onose), Compendiu de Neuro-reabilitare<sup>TM</sup> (2008 - editori coordonatori și autori principali: G. Onose și I. Pădură), Ghid de diagnostic, tratament și reabilitare în suferințe după traumatismele vertebromedulare<sup>TM</sup> (2011 - editorii coordonatori și autori: G. Onose și A. Anghieșcu) dar, înțelegând, în articole și comunicări proprii, predominant recente.

Auând în vedere relativ marșala concordanță a perioadelor de realizare și mai ales de apariție a Tratatului de Neurochirurgie (editori coordonatori Prof. dr. A. V. Ciorea), conținând, în volumul II, acest capitol

privind „Recuperarea în suferințe după traumatismele vertebromedulare (TVM) și, respectiv, a primului său” platforme de 7 (sapte) „Ghiduri de practică profesională pentru specialiștii Recuperare, Medicină Fizică și Balneoclimatologie” - prime care „Ghid de diagnostic, tratament și reabilitare în suferințe după traumatismele vertebromedulare” - prezentul capitol, realizat, în principal, de aceeași echipă, are inevitabil, importante părți comune cu conținutul respectivului ghid - aspect specificat cu probate și în literatură menționată.

Așfel, principalele elemente de management propriu recuperator-funcțional al bolnavilor post TVM se regăsesc mai dezvoltate în acest capitol față de ghidul amintit, unde sunt înrădăcinat mai detaliat elementele sursele de diagnostic și farmacoterapie. În schimb, auând în vedere înrădăcinarea academică de prestigiu a prezentului tratat, în acest capitol se găsește un conținut subcapitol de actualizări privind lenjeri noi, în mare parte experimentale, cu unele actualizări chiar față de propriile reviste de literatură cu referințe de profil publicate în ultimii doi ani, dar metodologiile specifice

## RECUPERAREA ÎN SUFERINȚE DUPĂ TRAUMATISME VERTEBROMEDULARE (TVM)

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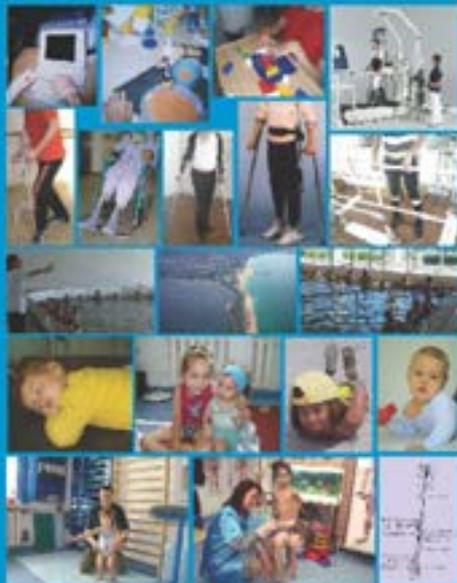
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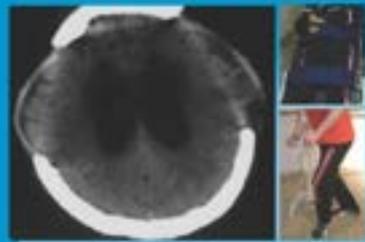


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PRINCIPII TERAPEUTICE ȘI  
NEUROREABILITARE  
ÎN SUFERINȚE DUPĂ  
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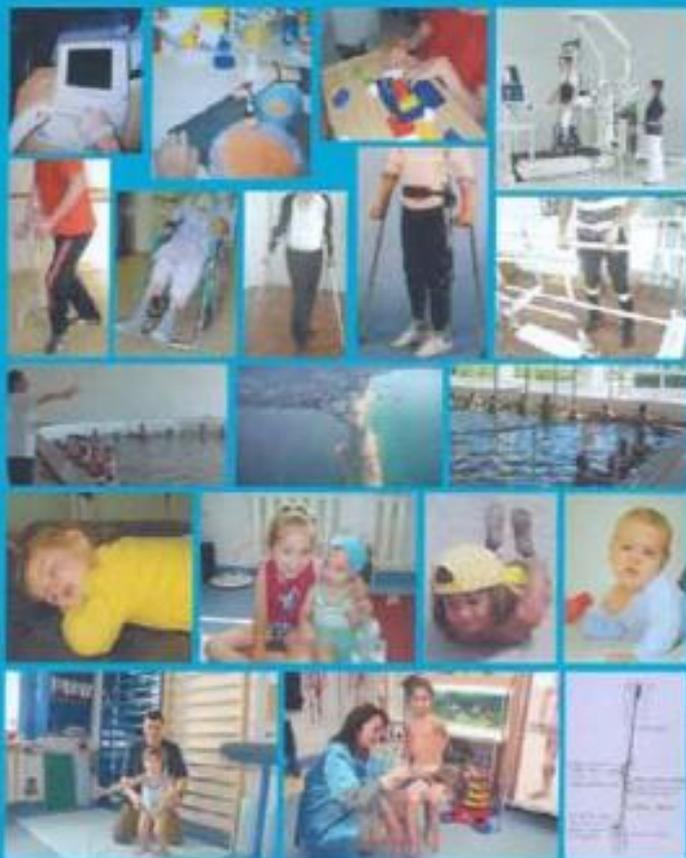
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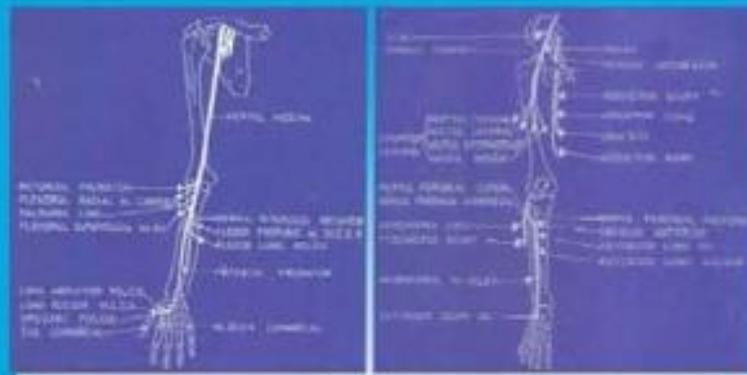


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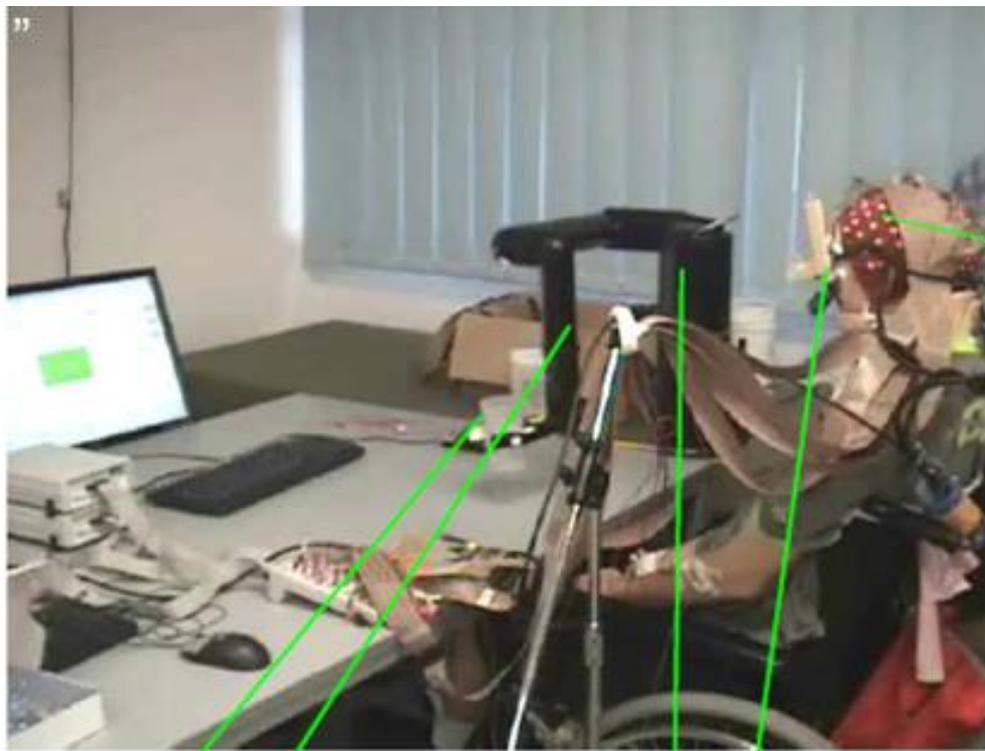
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# DISPOZITIV ORTETIC MECATRONIC

Concept, premise și aspecte funcționale constructive

București  
2012



EEG cap with electrodes

Glass for water

The robot body

Robot arm holding the glass.

Device: head tracking cameras/glasses equipped with cameras for 2 pupil gaze tracking

**Fig.** Typical set up (laid-down): the robot is shown in the middle of a 'grab' sequence. The head tracking cameras seen in the schema are mounted on the facing wall - off-frame  
(FRAUNHOFER-FIRST, Berlin/TEHBA, Bucharest, **2008**)

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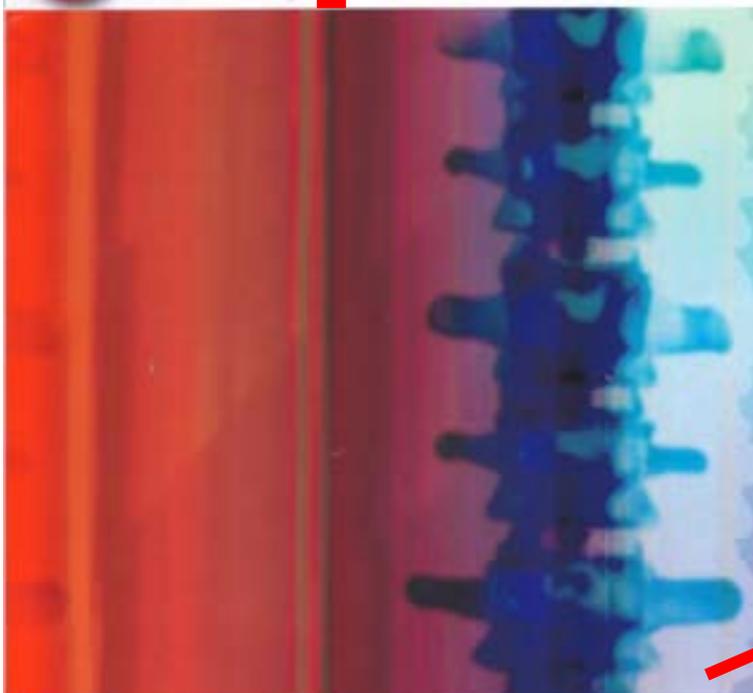


Spinal Cord celebrates its 50<sup>th</sup> anniversary in 2012



Volume 50 Number 8 August 2012

The international voice of the spinal cord



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# Spinal Cord

The Official Journal of the International Spinal Cord Society

Volume 50 Number 8

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August 2012

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## ORIGINAL ARTICLE

**On the feasibility of using motor imagery EEG-based brain–computer interface in chronic tetraplegics for assistive robotic arm control: a clinical test and long-term post-trial follow-up**G. Drouot<sup>1,2</sup>, C. Grosse<sup>1</sup>, A. Angélescu<sup>1,2</sup>, C. Dala<sup>1,2</sup>, C.J. Sîrbescu<sup>1,2</sup>, M. Clărean<sup>1,2</sup>, T. Spîrîu<sup>2</sup>, A. Mîrea<sup>1,2</sup>, I. Andone<sup>1</sup>, A. Spîrîu<sup>1</sup>, C. Popescu<sup>1</sup>, A.-S. Mîhălescu<sup>1</sup>, S. Paul<sup>3</sup>, M. Danciu<sup>4</sup> and Z. Popescu<sup>2</sup>**Study Design:** Survey and long-term clinical post-trial follow-up (interviews/correspondence) on nine chronic, post-spinal cord injury (SCI) tetraplegics.**Objective:** To assess feasibility of the use of Electroencephalography-based Brain–Computer Interface (EEG-BCI) for wearing/gaining assistance in tetraplegics, through a robotic arm.**Settings:** Physical and Neuro-muscular Rehabilitation Medicine, Cardiology, Neurosurgery Clinic Divisions of TEHBAL and UMPCO, in collaboration with “BrainRobot” (composed of the European Commission-funded Marie Curie Excellence Team by the same name, hosted by Fraunhofer IPA-IRST), in the second part of 2008.**Methods:** Enrolled patients underwent EEG-BCI preliminary training and robot control sessions. Statistics entailed multiple linear regressions and cluster analysis. A follow-up—custom questionnaire based—including patients’ perception of their EEG-BCI control capacity was continued up to 14 months after initial experiments.**Results:** EEG-BCI performance/calibration phase classification accuracy averaged 81.0%, feedback training sessions averaged 20.5% accuracy for 7 subjects who completed at least one feedback training session, 7 (77.7%) of 9 subjects reported having full control of the cursor; and 3 (33.3%) subjects felt that they were also controlling the robot through their movement imagination. No significant side effects occurred. BCI performance was positively correlated with beta (13–20 Hz) EEG spectral power density (coefficient 0.432, standardized coefficient 0.745, P-value=0.025), another possible influence was sensory AIS score (range: 0 min to 22.4 max, coefficient –0.177, standardized coefficient –0.512, P=0.089).**Conclusion:** Limited but real potential for self-assistance in chronic tetraplegics by EEG-BCI-actuated mechatronic devices was found, which was mainly related to spectral density in the beta range positively (increasing threshold) and to AIS sensory score negatively.

Spinal Cord (2012) 50, 699–606, doi:10.1038/sc.2012.14; published online 13 March 2012

**Keywords:** spinal cord injury, brain computer-machine interface, electroencephalogram, mechatronic/robotic arm device, quality of life

## INTRODUCTION

Spinal cord injury (SCI) related complete tetraplegia and paraplegia are some of the most severe and disabling conditions within brain pathology. For patients with complete tetraplegia, owing to the far

poor outcome. The current study addresses the potential impact/feasibility of non-invasive EEG-BCI for the accomplishment of an AIS, such as bringing to the mouth a glass to drink.

A reliable decoding method of the cerebral motor commands has



## EDITORIAL NOTE

**Editorial Note on: On the feasibility of using motor imagery EEG-based brain–computer interface in chronic tetraplegics for assistive robotic arm control: a clinical test and long-term post trial follow-up**

Spinal Cord (2012) 50, 716, doi:10.1038/sc.2012.25; published online 20 March 2012

Editorial Note on Spinal Cord (2012) 50, 699–606, doi:10.1038/sc.2012.14; published online 13 March 2012

Spinal cord injury is a significant source of low productivity, such that even small incremental improvements in function and independence can significantly have an impact on quality of life. In order to overcome at least some of the recognized potential limitations of non-invasive brain-computer interface (BCI) systems including limited life rate and practicality of daily use, Professor Drouot and colleagues have designed a hybrid system that integrates 3D gaze data and EEG signals from motor cortices and uses “natural” motor imagination/intention signals. Besides the technological developments which are notable, the report is more user- and user-centric because of its assessment of performance in the largest cohort to date of patients who would actually benefit from such a system (rather than healthy controls) — perhaps the most important contribution of this long-term impressions after installing the device. Although performance is not perfect, ~80% cursor control and ~70% robotic arm control are respectable, especially given the complexity of the latter task, a population that has few other options, and the non-invasive nature of the device with a second trial. More importantly, the authors stress the patients’ experience with the system providing insight into

patients’ preferences that, despite seemingly exponential growth in BCI development, are most often assumed but not formally evaluated.

These devices are after all intended to improve patients’ quality-of-life if we do not specifically assess this endpoint, we will ultimately fail to accomplish our goals. In this light, although the patients in this series expressed a relatively high rate of satisfaction with few complaints of a non-invasive system, as a community, we should be cognizant of that most disabled patients may be willing to undergo invasive procedures to achieve superior BCI control.<sup>1</sup> Future BCI studies must continue to not only assess patients’ performance, but also satisfaction and impressions in order to find the best means of improving quality-of-life.

## CONFLICT OF INTEREST

The author declares no conflict of interest.

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1. Huggins JE, Bhan PN, Gray AS. What would brain-computer interface mean for you? Opinions and practices of potential users with amyotrophic lateral sclerosis. Amyotroph Lateral Scler 2011; 12: 318–324.



[elearnSCI.org](http://elearnSCI.org) - a global educational initiative of ISCoS

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**1. OVERVIEW FOR THE WHOLE TEAM**

This module is intended as an introduction to the basic principles of SCI management appropriate for all members of the multidisciplinary team. It covers topics such as prehospital care, acute medical care, management of vertebral lesion, management of bladder/bowel, management of complications, psychological support, comprehensive rehabilitation and the role of different health professionals.

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**2. DOCTORS**  
**3. NURSES**  
**4. OCCUPATIONAL THERAPISTS & ASSISTIVE TECHNOLOGISTS**  
**5. PHYSIOTHERAPY**  
**6. PREVENTION**  
**7. PSYCHOLOGISTS, SOCIAL WORKERS, AND PEER COUNSELLORS**

This website is for medical and paramedical professionals working in the field of spinal cord injuries. It contains learning modules for the whole team as well as for doctors, nurses, physiotherapists, occupational therapists, assistive technologists, social workers, psychologists and peer counsellors. The modules are intended for medical and paramedical students and junior clinicians. Others who have yet not assimilated sufficient knowledge on comprehensive management.

[Read More](#)

**Message from President ISCoS**  
[Read Message](#)

 The eLearning project of ISCoS is born out of the Society's objectives to advise, encourage, guide and support the efforts of those responsible for the care of patients with spinal cord injury and to support the efforts of those responsible for the education and training of medical professionals and professionals allied to nursing. The aim is to improve their knowledge

**About eLearnSCI.org**  
A global educational initiative of ISCoS

Recognising the need to disseminate information about comprehensive management of Spinal Cord Injury (SCI), the International Spinal Cord Society (ISCoS) took the initiative to develop eLearnSCI.org, a web-based teaching and educational resource. eLearnSCI.org specifically addresses the current lack of professional development opportunities for medical and paramedical professionals involved in SCI Management due to the limited access of up-to-date, self-paced, and learning-oriented

**Audio-Visual on eLearnSCI.org**  
A global educational initiative of ISCoS



EN 22:15 23.09.2013

The image shows a screenshot of a web browser displaying the eLearnSCI.org website. The browser's address bar shows the URL <http://www.elearnscl.org/>. The website content is partially obscured by a video player overlay. The video player shows a group of approximately 15 people, including medical professionals and students, posing for a group photo in a hallway. The video player interface includes a play button, a progress bar at 01:13 / 14:00, and a 'Close' button. The website background features text such as 'Message from President ISCO' and 'The eLearning process'. The Windows taskbar at the bottom shows the system clock at 21:06 on 19.09.2012.

# Smart Diaspora 2023

The screenshot displays a web browser window with the address bar showing 'http://www.elearnsci.org' and the page title 'eLearnSCI Home'. The main content area features a video player with a video thumbnail showing a healthcare professional in a white coat assisting a patient with a white container. The video player controls show a duration of 02:46 / 14:05. A 'Close' button is visible in the bottom right corner of the video player. The background of the website is dark with various text elements and navigation buttons. The Windows taskbar at the bottom shows the system tray with the date '23:09' and '19.09.2017'.

The screenshot shows the eLearnSCI website interface. On the left is a green navigation menu with various topics. The main content area features a header "Overview for the Whole Team" with a sub-header "Learn about SCI management". Below this is a photograph of a group of healthcare professionals. A red arrow points from the "Overview for the Whole Team" header to the "Subcommittees and Subcommittee Coordinators" section. Below the photograph, there are two paragraphs of text. The second paragraph is underlined. At the bottom, there is a table with two columns: "NAME" and "COUNTRY". The table lists a coordinator from India.

**Overview for the Whole Team**  
Learn about SCI management

This module is intended as an introduction to the basic principles of SCI management for all members of the multidisciplinary team. It covers topics such as prehospital care, acute medical care, management of vertebral lesion, bladder/bowel management, prevention and management of complications, psychological support, comprehensive rehabilitation and the role of different health professionals.

This module includes presentations which have been prepared by a subcommittee of the world's leading experts in the respective fields. It also includes some activity based learning exercises, references and self assessment questions. All users are encouraged to go through all submodules of this module before accessing their discipline specific module.

**Subcommittees and Subcommittee Coordinators**

**1.1 Sub Module: Introduction to SCI**

NAME	COUNTRY
Coordinator	
H S Chhabra	India

The screenshot shows a web browser window with the URL <http://www.elearnsci.org/intro.aspx?id=1&page=1>. The page title is "eLearnSCI : Modules". The browser's address bar includes a search field, a "Translate" button, and a notification for "(3) New Driver Updates". The page content features a sub-module header "1.4 Sub-Module : Clinical Assessment of Patients with SCI" and a table with two columns: "NAME" and "COUNTRY". The table lists the following members:

NAME	COUNTRY
Coordinator	
Sergio Alto	Italy
Sub-Committee Members	
Amiram Catz	Israel
John F. Ditunno	USA
Rainer Abel	Germany
Gelu Onose	Romania
Aurelian Angheliescu	Romania
Rudiger Rupp	Germany
Daniel Rubios De Souza	Brazil
Şafak S. Karamahmetoğlu	Turkey
Hall Ünalın	Turkey
Luong Tuan Khanh	Vietnam
Sayed Uddin Helal	Bangladesh
K Gunendrika	Sri Lanka
Apichana Kovindha	Thailand
Farooq Azam Rathore	Pakistan
Azad Qureshi	Pakistan

The browser's taskbar at the bottom shows various application icons and the system clock displaying "22:49 23.09.2012".

1.9 Sub-Module: Bladder Management

NAME	COUNTRY
<b>Coordinator</b>	
J.J. Wyndaele	Belgium
<b>Sub-Committee Members</b>	
Bonne Lee	Australia
Michael Craggs	UK
Lance Goetz	USA
Mark Nigo	
Gurpreet Singh	UK
Inder Parkash	USA
Dinesh Suman	India
Madersbacher	Australia
Gelu Onose	Romania
Aurelian Angheliescu	Romania
Manfred Stohrer	Germany
Jinan Li	
Jurgen Pannek	Switzerland
Myra Vitale	Argentina
Nora Cívicos Sánchez	Spain

1.17 Sub Module: Assistive Technology Perspective and Mobility & Seating

NAME	COUNTRY
Coordinator	
Nekram Upadhyay	India
Sub Committee Members	
Tomasz Taslanski	Poland
Rory Cooper	USA
Nandana Wielage	Sri Lanka
Priyantha Peiris	Sri Lanka
Apichana Kovindha	Thailand
Jamie Noon	USA
Md Manzum Karim Anu	Bangladesh
Samima Akter Ripa	Bangladesh
Aurelian Angheliescu	Romania
Gelu Onose	Romania
Slobhan Long	Ireland
Christi Wiltmann	Germany
Diana Sigist-Nix	Switzerland
Monica Alcobendas	
Ana Esclarin	

Dr Annelies De Wolf	Australia
<b>Primary Reviewers</b>	
<b>Assistant Professor Aurelian Angheliescu</b>	<b>Romania</b>
Julia Batty	Australia
Dominiek Beckers	Netherlands
Marsha Ben	Australia
Ulla Beigner	Germany
Holle Booth	Australia
Associate Professor Colleen Canning	Australia
Sophie Denis	Australia
Fernanda DiNatali	Australia
Paul Dobbela	Netherlands
Paula Garcia Molnar	Chile
Dr Nalina Gupta	India
Dr Chitra Kataria	India
Lyndal Kette	Australia
Fateh Muhammad	Pakistan
Susanne Nielsen	Denmark/China
<b>Professor Gelu Onose</b>	<b>Romania</b>
Rohana Perera	Sri Lanka
Karin Postma	Netherlands

The screenshot shows a web browser window with the address bar displaying <http://www.elearnsci.org/intro.aspx?id=4&cat=9>. The page content is a list of names and their respective countries. The entry for Anca-Sanda Mihălescu from Romania is highlighted with a red bar. Below the list, there is a link to [www.physiotherapyexercises.com](http://www.physiotherapyexercises.com) and a section titled "Contributors Of Interviews" with a green background. The Windows taskbar at the bottom shows the system tray with the date 23/09/2012 and time 23:55.

Assistant Professor Solrab Hossain	Bangladesh
Shofiqul Islam	Bangladesh
Vivien Jørgensen	Norway
Dr Chitra Kataria	India
Jonathon Kwan	New Zealand
Komy Marina Momen	Bangladesh
Kishan Muthukuda	Sri Lanka
Susanne Nielsen	Denmark/China
Anca-Sanda Mihălescu	Romania
Karin Postma	Netherlands
Dr Ehsanur Rahman	Bangladesh
Keira Rahston	Australia
Narongrat Sawattikanon	Thailand
Melanie Skeen	South Africa
Dr Annemie Spooran	Netherlands
Joy Teo	Singapore
<a href="http://www.physiotherapyexercises.com">www.physiotherapyexercises.com</a>	
<b>Contributors Of Interviews</b>	
Julia Batty	Australia
Ulla Bergner	Germany
Dr Joy Bruce	USA

# Smart Diaspora 2023

The screenshot shows the elearnSCI.org website. The header includes the logo and navigation links: Home, About Us, Messages, Services, Library, Contact Us. The main content area is titled "Physiotherapy" and "Upper limb function: understanding assessment - Overview". It features a slide with the following text: "A collaborative and co-ordinated effort between the patient, physiotherapist, occupational therapist and nurse is required for promoting and preserving a tenodesis grip and management of hand swelling." To the right of the text is an image of a healthcare professional assisting a patient in bed. The slide is titled "elearnSCI.org".

This screenshot shows the same slide as the previous one, but with additional navigation and footer elements. Below the slide, there are three buttons: "Previous", "Current", and "Next". The footer contains the following information:

- AN INITIATIVE OF: **ISC OS** International Specialized Society
- COLLABORATING PARTNER: **livability**, **AGE**, **NSW** (New South Wales), **Department of Health**
- PRINCIPAL SPONSOR: **University of Technology Sydney**

The footer also includes the text "Copyright © elearnSCI.org All Rights Reserved" and "Website Content © elearnSCI.org. All Rights Reserved".

under the auspices of **EFNRS** European Federation of Neurological Societies

supported by **WFNR** World Federation for Neuro-Rehabilitation

**2<sup>nd</sup> EUROPEAN NEUROREHABILITATION CONGRESS**  
 In conjunction with the **3<sup>rd</sup> EUROPEAN TEACHING COURSE ON NEUROREHABILITATION**  
**June 26-28 | 2013 | Bucharest | Romania**

**2<sup>nd</sup> EUROPEAN NEUROREHABILITATION CONGRESS**  
 In conjunction with the **3<sup>rd</sup> EUROPEAN TEACHING COURSE ON NEUROREHABILITATION**  
**June 26-28 | 2013 | Bucharest | Romania**

Congress Website: [www.ecnr2013.eu](http://www.ecnr2013.eu)

**Second Announcement**

## 2<sup>nd</sup> EUROPEAN NEUROREHABILITATION CONGRESS

In conjunction with the **3<sup>rd</sup> EUROPEAN TEACHING COURSE ON NEUROREHABILITATION**

**June 26-28 | 2013 | Bucharest | Romania**

**NEUROREHABILITATION IN EUROPE : WHERE ARE WE?**

### Invitation

The European Federation of Neurological Societies is pleased to announce the Second European Congress on Neurorehabilitation in conjunction with the 3rd European Teaching Course on Neurorehabilitation held in Bucharest, Romania, in 2013.

The congress is organized by the World Federation of Neuro-Rehabilitation (WFNR) in partnership with EFNRS and local partners.

After the successful 1<sup>st</sup> European Congress in the city of Amsterdam, the meeting in Bucharest will offer a great opportunity for neurologists, neurorehabilitation specialists as well as people working in the field of teaching and research, to meet in person at the summit of an important field of research in the neurology, regarding the meeting 2<sup>nd</sup> European Congress, 3<sup>rd</sup> European Teaching Course (2013) etc.

A major topic will be to come to a consensus when neurorehabilitation in Europe comes today and where it has to be implemented in the future as well as an opportunity to meet the top.

The Congress will be the meeting of neurologists, geriatrics, pediatric and communication, cognitive and behavior specialists, as well as the related high technical areas and certainly from a number of related research to a wide audience.

The issues in the neurology, geriatrics, pediatric, communication, cognitive and behavior, will be a joint effort between colleagues from all over Europe and Worldwide. Get a chance to meet and to work together in Bucharest.



**GHEORGHE BĂJENARU**  
President EFNRS



**DANIELA MACIAGĂRU**  
President WFNR



**VALERIU ADHESE**  
President WFNR

### Local Committee Co-President



**OVIDIU BĂJENARU**

The University of Medicine and Pharmacy "Carol Davila"  
(UMFCC), Bucharest, Romania

### Local Committee Co-President



**GELU ONOSE**

The University of Medicine and Pharmacy "Carol Davila"  
(UMFCC), Bucharest, Romania  
The Teaching Emergency Hospital "Bogdan-Alexandru"  
(THSA), Bucharest, Romania

### Poster Session Chairs

**Gelu Onose**  
/Romania

**Alexandru Vlad Ciurea**  
/Romania

### Local Committee Members

**Cristian Dinu Popescu**  
**Angelo Bulboacă**  
**Adriana Sarah Nico**  
**Delia Cimbeza**  
**Bogdan Popescu**  
**Anca Buzianu**  
**Ioan Stefan Florian**  
**Alexandru Iremie**  
**Grigore Băbuș**  
**Mihaela Băciuș**

Request for speaker program in India.. (received: 08.03., 2013)  
 Bisen, Samit (BOM-MCM) [Samit.Bisen@cmgapac.com]  
 To: [geluonose@cficknet.ro](mailto:geluonose@cficknet.ro)

Dear Prof. Onose,

Greetings from McCann Complete Medical, India! (MCM-India)

As a quick introduction, McCann Complete Medical (MCM) is a world-leading full-service strategic medical communication agency. The company was established in 1990 and has its headquarters in North West England with offices also in the US, Canada, Switzerland and Scotland. MCM is the largest medical communications company within McCann Health.

We meet the needs of healthcare clients and providers through scientific acumen, excellence in delivery and dedicated service. We bring commitment, integrity and pride to everything we do. Our goal is to be recognized as a center of excellence in medical communications by our clients, our peers, our employees and the medical community with whom we work.

We reach out to you, with a request to initiate an ISP - International Speaker program (Educational) in India that would cover a 4 city tour and have an educational interaction with specialists and clinicians.

This program would be around the topic of "Management of TBIs: Current updates" (with a balanced presentation on the disease state, and available treatment options including neuroprotectants such as Cerebrolysin).

We propose and request your expertise in this segment and presence to lead the ISP as the international KOL. We are looking to schedule this in April 2013 (tentative).

If the time duration is something that does not fit your schedule, kindly let us your availability for a [webcast around the same time](#) too.

Kindly let us know of your interest and availability for this project. Once we hear from you, we would be glad to share further details on this and clarify any concerns you may have.

Wishing you good health and awaiting for your response.

Warm regards,

Dr. Samit Bisen; MD

Senior Medical Advisor | I +91 4230 3300 | D +91 4230 3357 | M +91 9869530794

**McCANN**  
COMPLETE MEDICAL

Rose Cottage, Opp. Amit Indl. Estate,  
 Next to Cit Tower, 61, Dr. S.S. Rao Road,  
 Parel, Mumbai 400 012.

Program name: BEYOND TBI (Optimizing management in TBIs)

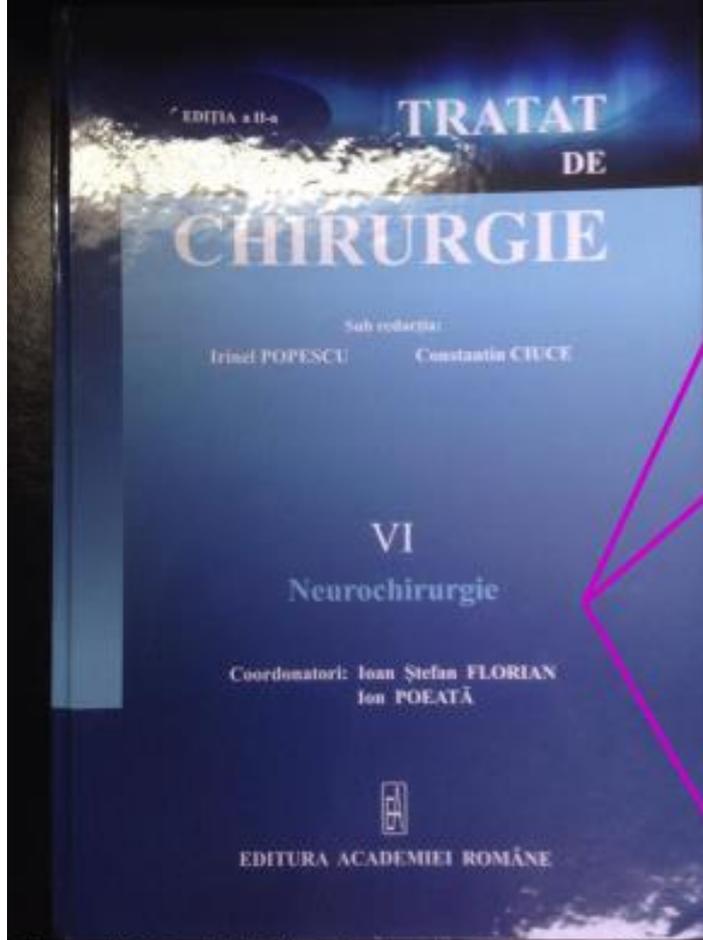
Date: August 18<sup>th</sup> 2013

Venue: ITC Maratha, Sahar road, Mumbai, India

## Program Agenda:

Time (Hrs)	Faculty	Activity/Talk
9:30 - 10:00 am		Registration
10:00 - 10:15 am	Dr. B. K. Mishra	Welcome and Introduction
10:15 - 10:45 am	Prof. Peter Reilly	Brain swelling - current concepts
10:45 - 11:15 am	<u>Prof. Gelu Onose</u>	"Current synthesis regarding main integrated management rehabilitative approaches, in patients with subacute conditions following severe central nervous system lesions, with focus on TBI"
11:15 - 11:45 am	Prof. Peter Reilly	Reducing Neurotrauma - considering the epidemiology and task of reducing neurotrauma
11:45 - 12:15 pm	<u>Prof. Gelu Onose</u>	"Our experience on neuroprotection - including with the use of related drugs - in patients with subacute conditions following severe central nervous system lesions, with focus on TBI"
12:15 - 12:45 pm	Dr. Anandh Balasubramaniam	Importance of ICP based management in TBI
12:45 - 01:15 pm	Dr. B. K. Mishra Dr. Alok Sharma Dr. Atul Goel Dr. Keki E. Turel Dr. Deepu Banerji	Panel discussion
01:15 - 02:15		Program ends with lunch





NOȚIUNI SINTETICE DE MANAGEMENT NEUROREABILITATIV  
ÎN STATUSURI POST-TRAUMATISME CEREBRALE

GELU ONOSE

SCURT PREAMBUL  
DE ORIENTARE GENERALĂ

Acest subcapitol, din motive de scop editorial, abordează focalizat o serie de aspecte principale legate (doar) de neuroreabilitare în suferințe după după traumatisme (cranio-encefale (TCC). Trebuie înțeles precizat de la început, faptul că managementul modern, complex al unor astfel de bolnavi presupune, în plus – pe lângă intervenția(i) neurochirurgicală(e), dacă este necesar – demersuri de neuro-protecție/neuroprotecție și de stimulare/modulare farmacologică echilibrată a neuroplasticității sangene, și într-o măsură cât mai judicioasă cu cele recuperatorii fizică-kinetologice, logopedice sau/și de tip terapie cognitiv-comportamentală. Rezultă, în consecință, o oportunitate (încă insuficient de eficace în raport cu orizontul de așteptare al unor asemenea cazuri – adesea grave și cu marcat potențial invalidant definitiv) de ameliorare a rezultatelor clinice obținute, compatibil cu situația din deceniile precedente – epocă în care efortul, în prezent, de avansata paradigmă/perspectivă integrativă a „Neurorestauratologiei”.

Astfel, intrucumva dintre descifrarea/cunoașterea cât mai completă a mecanismelor fiziologice și fiziopatologice ale „funcționării” (aspecte „pozitive”/non-problematic sau dimpotrivă – în situații patologice – aspecte „negative”/problematic, conform paradigmei conceptuale a Organizației Mondiale a Sănătății – OMS: *International Classification of Functioning, Disability and Health – ICFDH*) [1], la nivel intim, a sistemului nervos central (SNC), aplicarea și perfecționarea, în practica asistezii clinice, pe lângă cele mai sus menționate și a unor abordări neuroregenerative, toate cât mai performante cu putință (inclusiv ca valorificare translațională a rezultatelor obținute prin cercetare științifică fundamentală în această zonă de vârf al neuroștiințelor), cu optimizarea astfel a rețercii (morfo-funcționale, reprezentă

preocupări și scopuri principale ale promițătorului nou domeniu al neurorestauratologiei și respectiv, ale relativ recent înființării [în 2007 [2] asociații de profil „International Association of Neurorestoratology” (IANR – art. 3, 6 și 7 ale „Declarației de la Beijing a IANR” [3]).

PRECIZĂRI PRELIMINARE

Datorită a două categorii de constrângeri (obligativitatea încăderii într-un număr de pagini – foarte – limitat și necesitatea evitării, cât de mult posibil, a redundanțelor, astfel încât să nu se depășească inclusiv un nivel rezonabil/acceptabil – dar totuși, inevitabil – de autocritică), precizăm că redactarea și organizarea conținutului prezentului subcapitol, destinat problematicii de neuro-reabilitare, are un caracter depozitiv selectiv și complementar. Mai exact, am ales ca aici, pe lângă (re)tracerea, sintetică și sintetizată (cu accente/priorități, respectiv condensări ale formulării) în revistă – filtrată și suplimentată cu proiecții/precizări, aferente propriei experiențe clinice – a elementelor de bază din domeniu, să dezvoltăm sectorial prezentarea de noțiuni referitoare doar la problematici care nu au beneficiat anterior de abordări mai extinse, fără însă a rețea într-o schemă descriptivă clasică datele aferente subiectului; acestea se regăsesc în mod consistent în lucrări de profil (soluție dar și românești), printre care – inclusiv cu detalieri metodologice recuperatorii adecvate principalelor dizabilități posibil rezultante (somatice, de comunicare, psiho-cognitive, de re-/inclusivitate – cu reverberații socio-economice conexe) – în unele precedente [4–9].

Ca atare, în acest subcapitol vom prezenta în regim de detaliere doar unele demersuri de îngrijiri recuperatorii/nursing de reabilitare (IR/NR) în statusuri după TCC – anume: pentru facilitarea drenajului/evacuării, în situații de stază,



**RoNeuro**  
BRAIN DAYS

5<sup>TH</sup> EUROPEAN TEACHING COURSE  
on NEUROREHABILITATION  
14<sup>TH</sup> CONGRESS OF EUROPEAN SOCIETY  
for CLINICAL NEUROPHARMACOLOGY

JUNE 1-5, 2015 | CLUJ-NAPOCA | ROMANIA

[www.roneuro.ro](http://www.roneuro.ro) | [www.ssn.ro](http://www.ssn.ro)

16:30 – 17:00

Is there a chance for clinical research in neurorehabilitation within the framework of evidenced-based medicine? Classic and new approaches  
Johannes Væster (Germany)

17:00 – 17:10

Discussions

14

WEDNESDAY, JUNE 3<sup>RD</sup>, 2015

SESSION 8

Chairpersons: Gely Onose (Romania), Adriana Sarah Nita (Romania)

08:30 – 09:00

Propaedeutics for rehabilitation in the central nervous system traumatology (postacute/ subchronic stages)  
Gely Onose (Romania)

09:00 – 09:30

Nutritional care of neurological disabled patients  
Adriana Sarah Nita (Romania)

09:30 – 10:00

Combination of granulocyte colony-stimulating factor with and BM MSC and BM MNCs for stroke treatment in aged rats is not superior to G-CSF alone  
Aurel Popa-Wagner (Germany)

10:00 – 10:10

Discussions

**GRANT CONTRACT**  
**- EXTERNAL ACTIONS OF THE EUROPEAN UNION -**

TR2010/0135.01-01/226

(the "Contract")

The Government of Republic of Turkey, represented by the **Central Finance and Contracts Unit (CFCU)**, Ekişişir Yolu 4. Km 2180 Cad. (Halkbank Kampüsü) No: 63 C-Blok 06510 Sığircı - Ankara / Turkey, (the "Contracting Authority")

of the one part,

and

**Türkiye Omurluk Fekileri Derneği**  
Ataköy 7-E. Konut Manzarı Sıvan Villaları Karşıtı Alışveriş Merkezi Arkanı Rekreatyon Alanı Bâcarköy, 34750 - İstanbul / Turkey  
Bakarköy V.D., No: 6420116108,  
(hereinafter the "Coordinator")

and

**Societatea Română de Patologie Terapie și Recuperare, Vertebro-Medulară**; at the address Teaching Emergency Hospital "Bagdasar-Arseni" Berceni Av. No.12 4-th Sector, 041913, Bucharest, Romania;

and

**Praxis Europe**; at the address 53 High Street Kings Heath, B14 7BH, Birmingham, United Kingdom; with the tax number TBC - Birmingham,

and

**Sağlık ve Sosyal Hizmet Çalışanları Sendikası - İstanbul 1 No.lu Şube Başkanlığı**; at the address İskender Paşa Mah. Kâkmacı Sok. No:8 Kat:5 Fatih, İstanbul, Turkey; with the tax number 7390257984 - Mithatpaşa V.D.;

who have conferred powers of attorney for the purposes of the signature of the agreement to the Coordinator, collectively referred to as "Beneficiaries" where a provision applies without distinction to the Coordinator and the co-beneficiaries

of the other part,

(the "Parties")

have agreed as follows:

**Special conditions**

**Article 1 — Purpose**

1.1 The purpose of this Contract is the award of a grant by the Contracting Authority to fund or the implementation of the action entitled: *Working Without Obstacles: Analyzing the Policies of EU and Turkey Concerning Rights of Employees with Disabilities* (the "Action") described in Annex I.

The corresponding cost must be included in the budget (Annex III and Annex VI) under heading 12.

The total accepted cost of the Action are estimated at **150.805,37 EURO**, as set out in Annex III.

The Contracting Authority's contribution set out in Article 3.2 is further limited to **90,40%** of the estimated total accepted costs.

The final amount of the Contracting Authority's contribution shall be established in accordance with Articles 14 and 17 of Annex II. The percentages set with regard to the total eligible costs and total accepted costs shall apply cumulatively so that the Contracting Authority's contribution shall be limited to the lowest amount obtained by respectively applying the percentages to the final total eligible and accepted costs approved by the Contracting Authority. In case that the total accepted costs are equal to the total eligible costs, the percentage applicable to the total accepted costs applies to the total eligible costs to ensure the required co-financing.

2.2 The following derogations from the General Conditions shall apply:

7.2.1 Articles 1.3 and 1.4 of Annex II shall not apply.

7.2.2 By derogation from Article 14.2, Article 14.9 of Annex II, the following costs shall not be considered eligible:

- taxes, including value added taxes;
- customs and import duties, or any other charges;
- purchase, rent or leasing of land and existing buildings;
- fines, financial penalties and expenses of litigation;
- operating costs;
- second-hand equipment;
- bank charges, costs of guarantees and similar charges;
- conversion costs and exchange losses associated with any of the component specific Euro accounts;
- contribution in kind;
- any leasing costs;
- depreciation costs.

7.2.3 By way of derogation from Article 15.6 of Annex II, once the deadline laid down in Article 15.6 has expired, the Coordinator shall be entitled to late payment interest in accordance with Article 15.6. In such case, a demand must be submitted within two months of receiving late payment.

Done in English in four originals, two originals being for the Contracting Authority, one original being for the European Union Delegation to Turkey and one original being for the Beneficiaries.

**For the Beneficiaries**

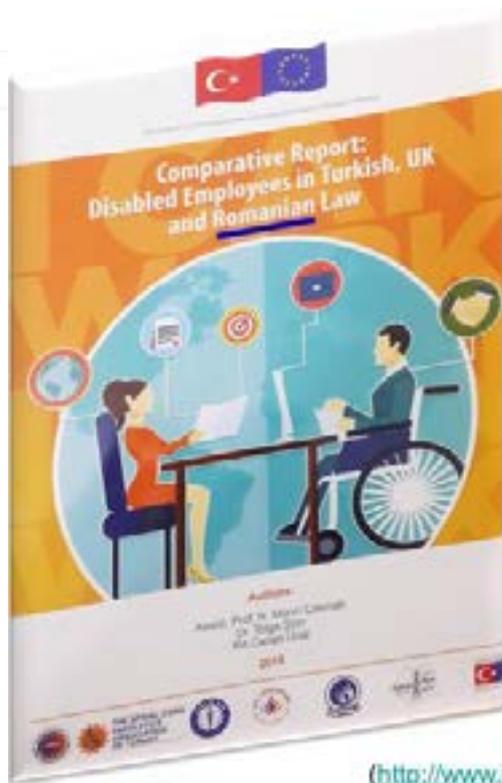
Name : Naci Gürbüz  
Title : **General Coordinator**  
Signature :  
Date : 17.05.2023

**For the Contracting Authority**

Name : Emine Döğür  
Title : **Acting PAO-ECU Director**  
Signature :  
Date : 17.05.2023

<sup>1</sup> unless the following conditions are fulfilled:

- (i) the value added taxes are not recoverable by any means;
- (ii) it is established that they are borne by the final beneficiary; and
- (iii) they are clearly identified in the project proposal.



<http://www.icanworkproject.com>

The screenshot shows the website for the 41st ISMH World Congress. At the top, a large rainbow arches over the text "41st ISMH WORLD CONGRESS" in blue, "Bucharest" in purple, "România" in green with a leaf logo, and "19<sup>th</sup> - 21<sup>st</sup> May, 2016" in red. Below this is a navigation menu with buttons for "Bucharest", "Venue", "Certificates", "Abstracts", "Scientific Info", "Committees", "Hotels", "Sponsors", "Speakers", "Participants", and "Social Program". A row of logos follows, including ISMH, Romania's coat of arms, the Romanian College of Physicians, the University of Medicine and Pharmacy of Bucharest, the Romanian Society of Geriatrics, a map of Romania, the Romanian Association of Medical Specialists (ARMS), the Romanian Association of Medical Specialists (ARMS) logo, the Romanian Association of Medical Specialists (ARMS) logo, and the Romanian Association of Medical Specialists (ARMS) logo. Below the logos, text states: "41<sup>st</sup> ISMH World Congress is accredited by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the following CME activity for medical specialists. The EACCME is an institution of the European Union of Medical Specialists (UEMS). [www.uems.net](http://www.uems.net)" and "The '41st ISMH World Congress' is designated for up to 15 hours of European external CME credits. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity." Below this, it says "Pre Congress Training Courses – accredited by Romanian College of Physicians with 3 credits (EMC), apart from the congress: Accreditation letter". At the bottom left, there are logos for UEMS and the European Union of Medical Specialists (UEMS).

http://bioclima.ro/ismh2016.html ISMH2016 CONGRESS

Convert Select

### ABSTRACTS BOOK



Balnea Research Journal DOI: [https://doi.org/10.12088/balnea.2016.12\(1\).Vol.7.No.2.May.2016](https://doi.org/10.12088/balnea.2016.12(1).Vol.7.No.2.May.2016)

#### Posters ranking ISMH 2016

I Place

**EXPERIMENTAL STUDY ON THE HEPATOPROTECTIVE EFFECT OF BAILE TUSNAD CARBONATED MINERAL WATER ON ALCOHOLIC LIVER**

Gabrielă Dogaru<sup>1</sup>, Mariana Hertzog<sup>2</sup>, Mihail-Alin<sup>3</sup>, Constantin Căciulea<sup>1</sup>

1. "Iuliu Haiegiu" University of Medicine and Pharmacy Cluj-Napoca, Clinical Rehabilitation Hospital Cluj-Napoca  
2. Tusnad Spa Complex - Baile Tusnad  
3. Department of Experimental Biology, Center of Electron Microscopy of UBB, Cluj-Napoca

II Place

**CLINICAL TRIAL REGARDING SPASTICITY HYDRO-THERMO-KINESIO-THERAPEUTICAL APPROACHES - STUDY DESIGN**

Imra Abadi<sup>1</sup>, Gelu Onose<sup>2</sup>, Camelia Ciobotaru<sup>1</sup>, A. Lupo<sup>1</sup>, M. Blacu<sup>4</sup>

1. Division of Physical and Rehabilitation Medicine, Balneology, Eforie Sud, "Dimitrie" University of Constanta  
2. The University of Medicine and Pharmacy Carol Davila, Bucharest, "The Teaching Emergency Hospital "Bagdasar-Arseni", Bucharest  
3, 4. Emergency Hospital Sf. Apostol Andrei, "Dimitrie" University of Constanta  
5. Rehabilitation Hospital of Eforie Nord, "Dimitrie" University of Constanta

III Place

**REHABILITATION ON A PATIENT WITH TETRAPARESIS DUE TO DERMATOMYOSITIS- CASE REPORT**

Cristina Dala, Gelu Onose, Denisa Dogrea, Diana Nita, Corina Teodor Sebea, Nicolae Pota, Anca Rădulescu

The University of Medicine and Pharmacy Carol Davila, Bucharest  
The Teaching Emergency Hospital "Bagdasar-Arseni", Bucharest

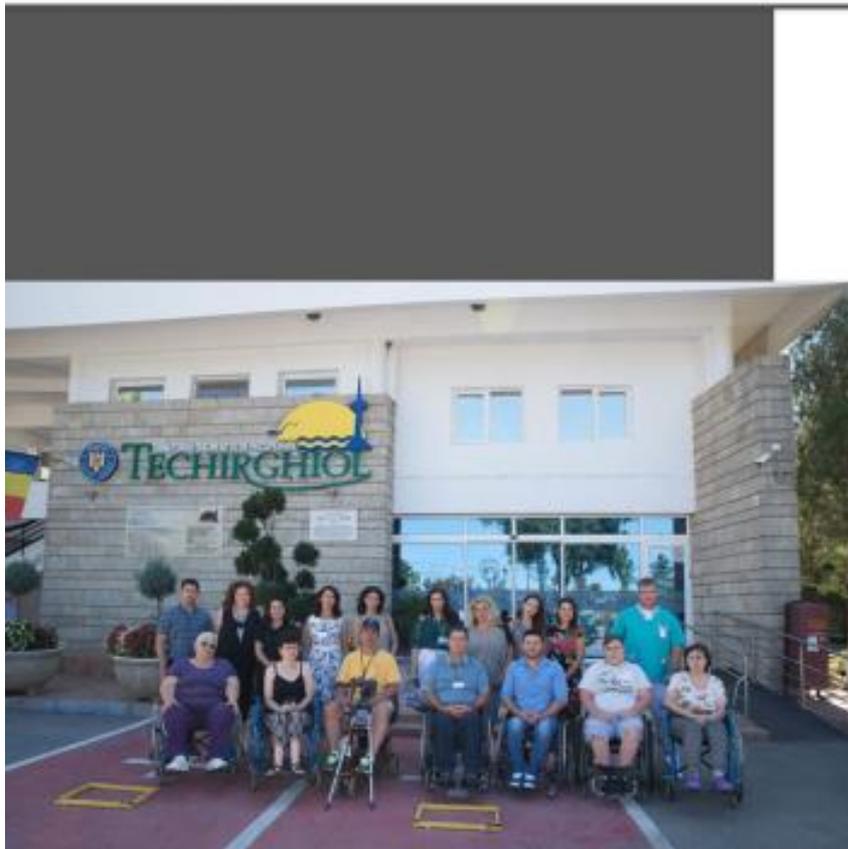
Honorary President  
C.M. Acad. Prof. Dr. Constantin Ionescu-Tirgoviste

ISMH President  
Prof. Dr. Zeki Karagulle  
Welcome letter

Congress President  
Assoc. Prof. Dr. Olga Surdu  
Welcome letter

Scientific Committee President  
Prof. Dr. Gelu Onose  
Welcome letter

Organizing Committee President  
Dr. Biol. Constantin Munteanu  
Welcome letter



**BALNEAL AND REHABILITATION SANATORIUM TEICHIRGHIOI**

In collaboration with

- Balkan Environmental Association (B.E.N.A.)
- Romanian Society for Spinal Cord Pathology, Therapy and Rehabilitation (ReSCoS)
- Romanian Association of Balneology (RAB)
- "Ovidius" University of Constanta
- "Carol Davila" University of Medicine and Pharmacy (UMPCD) of Bucharest
- National Institute of Rehabilitation, Physical Medicine and Balneal-Climatology (NIRPMB)
- Romanian Medical Association (AMR)
- Romanian Society of Physical and Rehabilitation Medicine & Balneal-Climatology (RSPRMB)
- Romanian Society for NeuroRehabilitation (RoSNeRa)
- National Institute for Marine Research and Development "Grigore Antipa", Constanta (NIMRD)

Partners

- National Authority for Tourism
- Teichirghiol City Hall
- College of Physicians in Constanta County
- Order of Nurses, Midwives and Medical Assistants in Romania - Constanta county branch

Organizing

The national conference with international participation:

Maritime Balneology, Physical and Rehabilitation Medicine -  
Tradition, Modernity and Innovation

Under the auspices of the International Society of Medical Hydrology and Climatology  
Under the auspices of the ICSOS SCI Awareness International Day Initiative  
Event held in connection with the anniversary of 117 years of balneology in Teichirghiol



## International visibility/recognition:

<http://www.iscos.org.uk/> →

<http://www.iscos.org.uk/sci-day> →

<http://www.worldsciday.org/> →

<https://www.worldsciday.org/event-2016.html>

<https://www.worldsciday.org/event-2017.html>

<https://www.worldsciday.org/event-2018.html>

<https://www.worldsciday.org/event-2019.html>

<https://www.worldsciday.org/event-2020.html>

<https://www.worldsciday.org/event-2021.html>





ISCoS- SCI Day 2022 - Photography Competition

Quick Search  
  
Go

Theme of the year

SCI

- Home
- Why SCI Day
- About Us
- Messages
- Photo Competition
- Societies
- Events
- Gallery
- AVs

## EVENTS - 2016 / COUNTRIES

Argentina	Bangladesh	Belgium	Cambodia
Costa Rica	Czech Republic	Denmark	Finland
Handicap International	Honduras	India	Netherland
Norway	<u>Romania</u>	Spain	UK
China	Greece	New Zealand	Uruguay



worldsciday.org/romania-2016.html

5th September  
**SCI DAY**  
For A Spinal Cord Injury Inclusive World

ISCoS- SCI Day 2022 - Photography Competition

Photograp

Theme of the year

SCI in Conflicts anc

Home Why SCI Day About Us Messages Photo Competition Societies Events Gallery AVs

Contact & Information

Quick Search

Go

## EVENT - 2016 / ROMANIA

A scientific session especially dedicated to commemorating the International Spinal Cord Injury (SCI) Day has been schedule on the 7<sup>th</sup> of September, 2017, during the Conference organized by The Romanian Spinal Cord Society (RoSCoS - affiliated to the ISCoS), Romanian Society of Physical and Rehabilitation Medicine & Balneoclimatology (RSPRMB) and the Romanian Association of Balneology (RAB). The conference is being held from the 3rd - 5th of September, 2017. The theme of the conference is 'Comprehensive approaches in pain issues and in spinal cord pathology in the context of the International day of Spinal Cord Injury (SCI Day): The details regarding this Conference, reading its Brochure, which is available - including in PDF format (<http://rosnera.org/wp-content/uploads/2017/07/SCI-Day-english.pdf>) - on the RoSNeRa/ RoSCoS official web site [<http://rosnera.org/> → the "RoSCoS" button → the "Evenimente/ Activitate editoriale" subbutton: (<http://rosnera.org/roscoS/>)].

Gelu, your article has reached an impact milestone

Mesaje primite

Frontiers <noreply@frontiersin.org> Dezabonează-1

luni, 17 sept., 08:24 (Acum 6 zile)

către eu

engleză

Frontiers logo

divider header

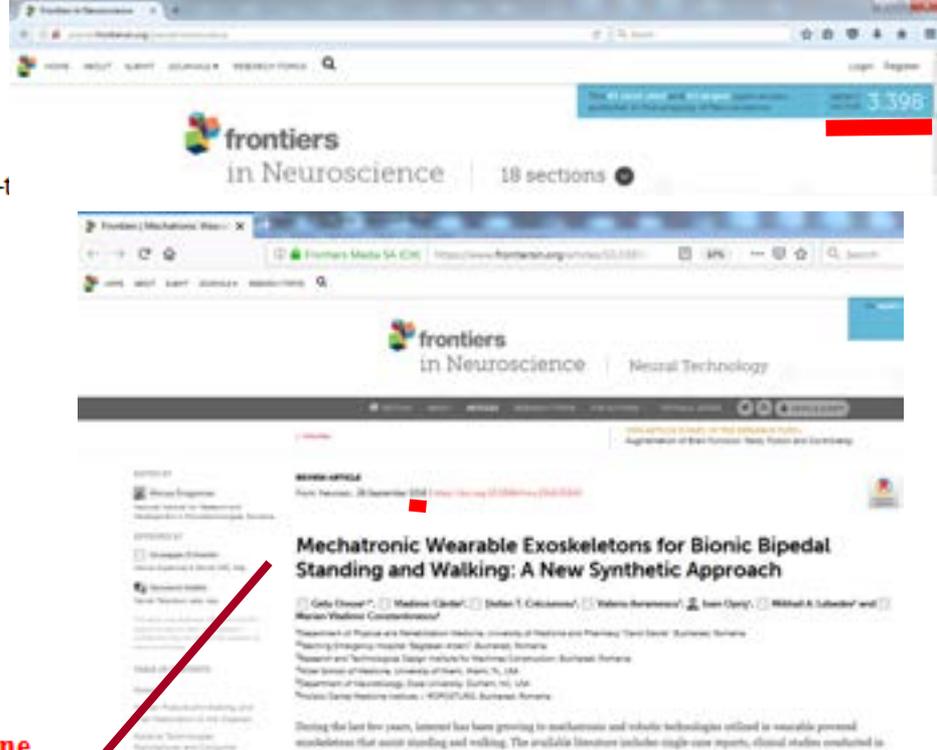
Dear Gelu,

Congratulations, your article achieved a milestone of 5'000 total views.

**Mechatronic Wearable Exoskeletons for Bionic Bipedal Standing and Walking: A New Synthetic Approach**

Frontiers in Neuroscience

picto-impact  
5'006 total views



Smart  
Diaspora  
2023



International  
School of Neurology

# 7<sup>TH</sup> EUROPEAN TEACHING COURSE on NEUROREHABILITATION

RoNeuro BRAIN DAYS

JUNE 30 - JULY 2, 2017 | EUROPA HOTEL | EFORIE NORD | ROMANIA



[www.roneuro.ro](http://www.roneuro.ro) | [www.ssnr.ro](http://www.ssnr.ro)

BOOK OF ABSTRACTS | ISSUE 3/2017  
ISSN 2501-7039  
ISSN-L 2501-7039



THIS MEETING HAS BEEN  
ENDORSED BY THE

WFNR

WFNR The European Federation  
of Neurological Societies

ean

#### ORGANIZERS



Institute for Neurological  
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European Association of  
Neurological Societies  
www.ean.eu

#### ACADEMIC PARTNERS



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World Federation of  
Neurology  
www.wfnr.org

## SCIENTIFIC COMMITTEE & FACULTY

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Stephen Skaper / Italy  
Keki Turel / India  
Johannes Vester / Germany  
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Ovidiu Selejan / Romania  
Adina Stan / Romania  
Dana Stăvoacă / Romania

## SATURDAY - JULY 1<sup>st</sup>, 2017

### SESSION 1 - CHAIRPERSON: Gelu Onose (Romania), Stephen Skaper (Italy)

09:00 - 09:30	Issues and realities regarding non-Anglic Physical Therapy interventions have frequently used in NeuroRehabilitation <b>Gelu Onose (Romania)</b>
09:30 - 10:00	Burden and quality of life in caregivers of MS persons <b>Jozef Opara (Poland)</b>
10:00 - 10:30	Ce ultrasonical guidance/ultrasound guided facilities: ultrasound powered cell disruption and implantation in experimental autoimmune encephalomyelitis <b>Stephen Skaper (Italy)</b>
10:30 - 11:00	Multidimensional Strategies to Improve TB Clinical Research Towards a New Gold Standard <b>Johannes Vester (Germany)</b>
11:00 - 11:30	<b>COFFEE BREAK</b>

### SESSION 2 - CHAIRPERSON: David Wright (USA), Andreas Bender (Germany)

11:30 - 12:00	Translating Brain Injury Translational Research: Shining Light in the Darkness <b>David Wright (USA)</b>
12:00 - 12:30	TB - The Indian perspective to clinical management, emerging biology and rehabilitation aspects <b>Keki Turel (India)</b>



**GELU ONOSE**  
ROMANIA

Dr. Gelu Onose - 60 years (born on the 20th of December, 1956); graduated in 1982 from the Faculty of General Medicine, within the Institute of Medicine and Pharmacy in Bucharest, Romania

- Professor (since 2006) at the (State) University of Medicine and Pharmacy "Carol Davila" (UMFCD), in Bucharest - member of the Academic Council of the Faculty of Medicine of the UMFCD

- Doctoral (Post Graduate) Tutor (since 2000) - at the UMFCD in Bucharest

- MD - PhD - MSc

- Senior Physician of - Physical & Rehabilitation Medicine (1996) - since 1994 - and Gerontology & Geriatrics (G-G) - since 2000

**Conferința națională interdisciplinară, cu vizibilitate internațională:  
„Abordări comprehensive în problematica durerii și în patologia vertebro-medulară  
în contextul marcării Zilei internaționale a leziunilor mielice (SCI Day)”**

**Constanța, Universitatea Ovidius 3 - 5 Septembrie 2017 / Techirghiol - 5 Septembrie 2017**



SOCIETATEA ROMÂNĂ  
**DE MEDICINA  
FIZICĂ  
DE RECUPERARE  
ȘI BALNEOCLIMATOLOGIE**



**FEDERATION MONDIALE DU THERMALISME ET DU CLIMATISME  
WORLD FEDERATION OF HYDROTHERAPY AND CLIMATOTHERAPY**



**SPITALUL CLINIC JUDEȚEAN DE URGENȚĂ  
"SF. APOSTOL ANDREI" CONSTANȚA**



SANATORIUL BALNEAR  
ȘI DE RECUPERARE  
**TECHIRGHIOAL**



**The Romanian Spinal Cord Society (RoSCoS)**



**The Romanian Society for NeuroRehabilitation  
(RoSNeRa)**



**Societatea Română de Medicină Fizică, de Recuperare și Balneoclimatologie (SRMFRB)  
Asociația Română de Balneologie (ARB)**



Dear President, Prof. El Masri,

On behalf of the Romanian Spinal Cord Society (RoSCoS), herein, we officially submit our Society's candidature for organizing the ISCoS meeting in Bucharest, Romania, in 2017.

We mention this initiative had been decided by vote within the assembly of the Directory Council of RoSCoS, held today, the 23rd of February 2010.

Additionally, we propose the year 2017 because – as it is known – since 2007 RoSCoS and respectively the Romanian Society for Neurorehabilitation (RoSNeRa) are together organizing, every two years, the National Conference of Neurosurgery and Neurorehabilitation, with International Participation (the 1st edition of this Conference – held in 2007, in Ocna Sibiului- and its 2nd edition – held in Sept. 2009, in Mamaia - has both among their honoured invited speakers/ guests, the vice-president of ISCoS, Prof Sergio Aito).

So, considering the paradigm of associating with the most prestigious annual scientific meeting of ISCoS in a conjoint Congress, a National Conference would be appropriate and successful as for instance we could see it on the occasion of the Joint event of the International and Nordic Spinal Cord Societies 46th ISCoS Annual Scientific Meeting and 10th NoSCoS Congress Reykjavik/ Iceland (June 27 - 1 July 2007).

Therefore, we would be very honoured if the Executive meeting of ISCoS would approve the afore mentioned Romanian candidature.

We express our strong desire to organize both highly standards Scientific Programme and a Social attractive one as well, so that the ISCoS Community could benefit from the Romanian experience in SCI clinical expertise and academic endeavors among the global efforts to achieve an overall solid improvement in this extremely difficult domain, but also of meeting the traditional Romanian ospitality.

We are looking forward to welcome you at the 56th ISCoS Annual Scientific Meeting in 2017, in Romania.

President	Vice-President	Secretary General
Prof. Gelu Onose	Asist. Prof. Aurelian Angheliescu	Univ. Prep. Andrada Mirea

RE: ISCoS/ASIA meeting June Washington DC  
Charlifue, Susie [Susie@Craig-Hospital.org]  
To: Gelu Onose; [admin@iscos.org.uk](mailto:admin@iscos.org.uk); Fin Biering-Sorensen

Dr. Onose,

You presented your bid informally in India and we (Executive and Council) accepted that you will hold the meeting in 2017. If you would like to submit a more formal written proposal outlining an idea of specific dates in 2017 and the venue (Bucharest I believe) as well as some specific topics you may wish considered for the meeting, you may do so and send it to my attention. I will bring this to the Executive and Council in London. You do not, to my knowledge, need to present anything more specifically at the 2012 meeting. If you wish to send promotional materials we will have them available, but we really don't tend to advertise meetings more than 3 years ahead - we will have the Turkey and Netherlands information at the London meeting, so postponing until 2013 will be fine.

Thank you,

Susan Charlifue, PhD  
Research Principal Investigator  
Craig Hospital  
3425 S. Clarkson Street  
Englewood, CO 80113  
phone: 303.789-8306  
fax: 303.789-8441  
e-mail: [susie@craighospital.org](mailto:susie@craighospital.org)

## Craig Hospital

Caring exclusively for patients with spinal cord and brain injuries.

The screenshot shows the ISCoS website interface. At the top, there is a navigation bar with links for Home, About ISCoS, Officers, Publications, Membership, Meetings, Affiliated Societies, Calendar, Committees, Resources, and Contact. The main content area is divided into two sections. The first section is titled "Member Login" and contains a form with fields for "username" and "password", a "GO" button, and a link for "Have you forgotten your password?". The second section is titled "Future Venues" and lists upcoming meetings: "55th Annual Scientific Meeting 2014: The Netherlands 2 - 4 September 2014 - [www.iscos2014.org](http://www.iscos2014.org)", "56th Annual Scientific Meeting 2015: Joint Meeting with ASA - Canada", "57th Annual Scientific Meeting 2016: Latin America (Brazil)", and "58th Annual Scientific Meeting 2017: Romania". A "Quick Search" box is located at the bottom right of the page.

Microsoft Excel - Copy\_of\_Posters\_2017\_Score\_sheet - Copy 1.xlsx [Read-Only]

File Edit View Insert Format Tools Data Window Help Adobe PDF

100% Calibri

C5 Dr Alexandra Sporici

	A	B	C	D	E	F	G	H	I
1	<b>Score Sheet</b>								
2			<b>Name</b>	<b>Judge 1</b>	<b>Judge 2</b>	<b>Judge 3</b>	<b>Judge 4</b>	<b>Judge 5</b>	<b>Total</b>
3	3rd	Poster 1	Dr Aggeliki Stavrianou	45	96	70	85	82	378
4	1st	Poster 2	Dr Andrada Mirea	100	90	90	79	68	427
5		Poster 3	Dr Alexandra Sporici	25	80	85	70	65	325
6		Poster 4	Dr V Wilson	30	100	60	85	74	349
7		Poster 5	Dr Haleluya Moshi	70	80	80	65	66	361
8		Poster 6	Ms. Sonal Khurana	40	90	75	81	80	366
9		Poster 7	Dr. Ajay Krishnan	45	100	65	78	65	353
10	2nd	Poster 8	Dr Harihara prakash	75	90	100	84	75	424

ISCoS The International Spinal Cord Society

Members Area Log Out Password

+44 (0) 1296 315866

2017 Annual Scientific Meeting

56<sup>th</sup> ISCoS Annual Scientific Meeting  
14-20 October 2017, Dublin Ireland

Full Meeting site <https://www.iscosmeetings.org/>

# Smart Diaspora 2023



The screenshot shows a Gmail interface in a browser window. The address bar displays the URL: <https://mail.google.com/mail/u/0/?ui=2&search=andrada.mirea%40gmail.com:1801b3822a>. The browser title is "Fed: Congratulations on win...".

The Gmail header includes the text "Descarcă Google Chrome" and a search bar containing "andrada.mirea@gmail.com". The left sidebar shows the "Inbox" tab selected, with a red arrow pointing to the subject line of the top email: "Congratulations on winning the Best Poster Award -IInd SCI Day".

The email content is as follows:

Andrada Mirea <andrada.mirea@gmail.com>  
03.12.2017

engleză - 1 - român - [Treceți mesajul](#) [Dezactivați pentru engleză](#)

Slimale domnule profesor,

Ita la munca solicitat nu ramane intotdeauna neraspalita, chiar daca suntin din est.  
Va multumesc inca o data pt interesul de a participa si de a ma indruma pt realizarea acestui poster.  
Va voi forwarda si diploma de inceta la o prinesc si eu.

Cu respect,  
Andrada

Sent from my iPhone

Begin forwarded message:

From: "Dr. H. S. Chhabra" <[hsc@oniscuonline.org](mailto:hsc@oniscuonline.org)>  
Date: 2 December 2017 at 10:07:19 EET  
To: Andrada Mirea <[andrada.mirea@gmail.com](mailto:andrada.mirea@gmail.com)>  
Subject: Congratulations on winning the Best Poster Award -IInd SCI Day

Dear Dr Andrada Mirea,  
Reference poster competition on "Iras Via Carri" during the SCI day 2017. We are delighted to inform you that your poster has won the 1<sup>st</sup> position. We will mail you the certificate.

Congratulating you once again.  
With regards  
Dr H S Chhabra

The Windows taskbar at the bottom shows the time as 11:58 PM on 1/15/2018.



## SCI Day

"International Days" are celebrated to mark important aspects of human life and history. The International Spinal Cord Society (ISCoS) observes "Spinal Cord Injury Day" on 5th September every year with the intention of increasing awareness amongst the general public. We believe that increased awareness of SCI will enable a more inclusive life for persons with disability, acknowledging both the challenges faced by people with SCI, but also the abilities and contribution people with SCI make to society. We believe that by raising awareness of the causes of SCI among the wider community there will be greater understanding of how SCI can be prevented, and the role everyone can play in achieving this goal.

The Inaugural Spinal Cord Injury Day was observed on 5th September 2016, with events organized in 24 countries across the globe. This year the Day will be celebrated with the theme "YES WE CAN". The theme has been chosen to highlight the ability amongst disabilities of persons with SCI to be actors for prevention as well.

Visit the World SCI Day website.

## 2017 POSTER AWARDS

### Submissions and Score Sheet

1 - 3rd

2 - 1st

3

## YES, WE CAN AVOID SPINAL CORD INJURY (SCI)

**Address:**  
 Andrew Stone MD, PhD  
 Ulfena Foglum MD, PhD  
 Stefan Muehlbauer, MD  
 Gelsi Chiriac MD, PhD

**affiliations:**  
 1. University of Wisconsin - Madison, Spinal Cord Injuries Research Center  
 2. Ulfena Foglum MD, PhD  
 3. Stefan Muehlbauer, MD  
 4. Gelsi Chiriac MD, PhD  
 5. University of Wisconsin - Madison, Spinal Cord Injuries Research Center



**38%**

Vehicle crashes are leading cause\* of SCI, according to American National Spinal Cord Injury Statistical Center (ANSIC), 58% of total cases\*\* being such incidents.

In developed countries the incidence of elevated motor vehicles at high speeds, while in developing countries, the increased use of motor vehicles are more frequent.

**30,5%**

The following category is represented by falls, which represent 30,5% of total cases.

One can notice there are also differences between countries reasons for SCI.

For example in Nepal, 80% of fractures who fall from trees from trees to fall from trees, in India every falls are from stairs, power lines when people try to obtain electricity from power lines and in Pakistan falls are mostly from the rooftops during the rainy season but weather in Romania, there are also many falls from the trees.



**13,5%**

Violence is responsible for 13,5% of total SCI cases. Mostly in gunshot, but including terrorism, too. The differences are also due to development vs. developing countries.

**9%**

9% of cases are due to sports. This is mostly common to developed countries. For example, falls from a horse, during recreational activity\*, or head banging.



**5%**

Other causes include surgery or other different medical interventions, about 5% from the total cases.



SCI prevalence was highest in the United States of America (206 per million) and lowest in the Rhone-Alpes region, France (230 per million) and Helsinki, Finland (280 per million).

New Zealand had the highest national incidence (45.1 per million), while the lowest incidence (0.0 per million) in Spain, with a high male-to-female ratio.

As SCI incidence, prevalence and causation are different between developed and developed countries, and as in some European countries the incidence is rising from year to year\*\*, one should match management and prevention strategies to regional trends and needs because:

## YES, WE CAN AVOID SPINAL CORD INJURY!

**Address:**  
 1. Ulfena Foglum MD, PhD  
 2. Stefan Muehlbauer, MD  
 3. Gelsi Chiriac MD, PhD  
 4. Andrew Stone MD, PhD

**affiliations:**  
 1. Ulfena Foglum MD, PhD  
 2. Stefan Muehlbauer, MD  
 3. Gelsi Chiriac MD, PhD  
 4. Andrew Stone MD, PhD

# Smart Diaspora 2023

The screenshot displays the ECNR 2017 program website. The top navigation bar includes the event name 'ECNR 2017', dates '25.10.' through '28.10.', and a 'Societies - Programme tracks' dropdown menu. Below this, five columns represent different 'Garden' tracks: Garden 2/3, Garden 5 A, B, Garden 4 B, C, Garden 1 A, B, and Garden 5 C. A vertical timeline on the left side shows the time slots from 07:00 to 19:45. The sessions are color-coded: blue for 'Meet the Experts Session', orange for 'Invited Symposium', and red for 'Round Table'. A red arrow points to the 'Joint symposium with the Romanian Society for Neurorehabilitation' session, which is an invited symposium in Garden 2/3 at 10:00-10:30. The bottom of the page features a legend with icons for various session types: EPNR General Assembly, Meet the Experts Session, Plenary Lecture, ePoster Session, CoGNR, Round Table, Industrial Symposium, Opening Ceremony/Farewell, SCNR, Invited Symposium, Oral Communications, and SIG Meeting.

ECNR 2017 25.10. 26.10. 27.10. 28.10. Societies - Programme tracks Help Search My schedule Register

Garden 2/3 Garden 5 A, B Garden 4 B, C Garden 1 A, B Garden 5 C

07:00  
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13:45

Meet the Experts Session 6 07:30-08:30  
Meet the Experts Session 7 07:30-08:30  
Meet the Experts Session 8 07:30-08:30  
Meet the Experts Session 9 07:30-08:30  
Meet the Experts Session 10 07:30-08:30

Invited Symposium 21  
Joint symposium with the  
Romanian Society for  
Neurorehabilitation 09:00-10:30  
Invited Symposium 22  
Progress of recovery - clinical  
evaluation and/or biomarkers 09:00-10:30  
Invited Symposium 24  
Linking Skin-Flap syndrome 09:00-10:30  
Invited Symposium 23  
Special aspects of  
neuropsychology 09:00-10:30  
Oral Communications 7  
Young Therapists 09:30-10:30

Round Table 3  
Future perspectives of  
neurorehabilitation in learning  
Parasol 10:00-10:30

Legend

- EPNR General Assembly
- Meet the Experts Session
- Plenary Lecture
- ePoster Session
- CoGNR
- Round Table
- Industrial Symposium
- Opening Ceremony/Farewell
- SCNR
- Invited Symposium
- Oral Communications
- SIG Meeting

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# Congresul Național de Recuperare, Medicină Fizică și Balneologie



Eveniment dedicat Centenarului Marii Uniri, 1918 - 2018

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Romanian Society for NeuroRehabilitation  
(acronym: RoSNeRa)



The Romanian Spinal Cord Society  
(acronym: RoSCoS)

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RESEARCH

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UNIVERSITATEA DE MEDICINĂ ȘI FARMACIE  
**GRIGORE T. POPA** IAȘI



In summary, through the contribution of some members of **RoSNeRa** and/or **RoSCoS**:

- At the **Cluj-Napoca Congress**: **16** oral presentations and **4** posters
- At the **National Conference with International Participation in Techirghiol**: **5** oral presentations and **an interdisciplinary, national and international round table**, with **3 RoSNeRa and/or RoSCoS members** (see next slides)



## SANATORIUL BALNEAR ȘI DE RECUPERARE TECHIRGHIOI

În colaborare cu:  
Colegiul Medicilor din Județul Constanța  
Institutul de Medicină Fizică, Balneoclimatologie și Recuperare Medicală  
Asociația Română de Balneologie (ARB)  
Societatea Română de Medicină Fizică, de Recuperare și Balneoclimatologie (SRMFRB)  
Societatea de Neurologie din România (SNR)  
Societatea Română de Psihologie, Terapie și Recuperare, Terapie Medicală (SRP/Te)  
Societatea Română de NeuroReabilitare (RoSNRea)  
Institutul Național de Cercetare-Dezvoltare "Mărieț" "Ștefan cel Mare" (INCDS)

Sub egida:  
Asociației Medicilor Români (AMR)

Sub auspiciul academiilor ale:  
Academiei de Științe Medicale  
Universității de Medicină și Farmacie "Carol Davila" din București  
Universității "Ovidius" din Constanța  
The European Federation of NeuroRehabilitation Societies  
Balneoclimatological Association (B.C.A.)

### Organizatori

Conferința națională cu participare internațională

## „Dimensiunea integrativă a valorificării resurselor sanogene din arealul lacului Techirghiol”

- 119 ani de cercetare clinică și management balnear maritim
- 45 de ani de la inaugurarea Sanatoriului Balnear și de Recuperare Techirghiol -

Techirghiol, 29 iunie – 01 iulie 2018

## PROGRAM

### Vineri, 29 iunie

- 08.00-11.00 Cursuri preconferență
- 11.00-11.15 Pauză de cafea/ceai
- 11.15-14.15 Cursuri preconferență
- 14.15-15.00 Pauză de masă
- 15.00 -17.00 Ceremonia de deschidere

- Sanatoriul Balnear și de Recuperare Techirghiol la crăia aniversară. Manager Elena Roxana Abăjor
- Conferința inaugurată: Prof. Univ. Dr. Constanța Dumitru Dulcan

17.00-19.00 Sesiune I. Intervenții recuperatorii de medicină fizică

20.30-23.00 Welcome Networking

### Sâmbătă, 30 iunie

9.00-11.00 Sesiunea II. Management Balnear Integrat. Protecția Mediului, Resurse și Legislație

11.00-11.30 Pauză cafea/ceai (Simpozion satelit al industriei de profil)  
Aspecte privind experiența noastră în utilizarea Metil-Sulfonil-Metanului în Clinica de Recuperare Neuro-musculară a Spitalului Clinic de Urgență „Bagdasar-Arseni”  
Abit. Univ. Dr. Dorelă Trușcă-Șerban, Prof. Univ. Dr. Oana Gelu

11.30-13.00 Masa rotundă: Schimb de opinii calificate privind perspective ale implementării în România de componente educaționale principale ale curriculum-ului european de neurorecuperare. Sub egida RoSNRea, SNR și

13.00-13.45 Pauză de masă

### Sâmbătă, 30 iunie 11.30-13.00

**Masa rotundă:** Schimb de opinii calificate privind perspective ale implementării în România de componente educaționale principale aparținând curriculum-ului european de neurorecuperare. Sub auspiciile: Federația Europeană a Societăților de Neuroreabilitare (EFNRS), Societatea Română de NeuroReabilitare (RoSNRea), Societatea de Neurologie din România (SNR) și Societatea Română de Medicină Fizică, de Recuperare și Balneoclimatologie (SRMFRB).

**Experți speakeri invitați** (în ordine alfabetică): Ovidiu Băjenaru, Cristina Daia, Volker Hönberg, Constantin Munteanu, Dafin Mureșanu, Gelu Onose, Bogdan Popescu, Giorgio Sandrini

**Round table:** Exchange of qualified opinions on perspectives to implement in Romania of main European NeuroRehabilitation Curriculum's educational components. Under the auspices of the: European Federation of NeuroRehabilitation Societies (EFNRS), Romanian Society for NeuroRehabilitation (RoSNRea), Romanian Society of Neurology (SNR), Romanian Society of Physical Medicine and Rehabilitation & Balneoclimatology (RSPRMB).

Invited expert speaker panel (alphabetically): Ovidiu Băjenaru, Cristina Daia, Volker Hönberg, Constantin Munteanu, Dafin Mureșanu, Gelu Onose, Bogdan Popescu, Giorgio Sandrini



Funct Neurol 2017 Apr-Jun; 32(2): 63-68.

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## European core curriculum in neurorehabilitation

 [Giorgio Sandrini](#), MD,<sup>a</sup> [Heinrich Binder](#), MD,<sup>b</sup> [Volker Hömberg](#), MD,<sup>c</sup> [Leopold Salihuari](#), MD,<sup>d</sup> [Ina Tarkka](#), PhD,<sup>e</sup> [Nicola Smania](#), MD,<sup>f</sup> [Claudio Corradini](#), MD,<sup>g</sup> [Alessandro Giustini](#), MD,<sup>h</sup> [Christian Katterer](#), MD,<sup>i</sup> [Ledina Picari](#), MS,<sup>j</sup> [Karin Diserens](#), MD,<sup>k</sup> [Eberhard Koenig](#), MD,<sup>l</sup> [Alexander Geurts](#), MD, PhD,<sup>m</sup> [Aurelian Anohiescu](#), MD, PhD,<sup>n</sup> [Józef Opara](#), MD, PhD,<sup>o</sup> [Paolo Tonin](#), MD,<sup>p</sup> [Gert Kwakkel](#), PhD,<sup>q</sup> [Volodymyr Golyk](#), MD, PhD,<sup>r</sup> [Gelu Onose](#), MD,<sup>s</sup> [Dominique Pérennou](#), MD, PhD,<sup>t</sup> and [Alessandro Picelli](#), MD<sup>†</sup>

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### Summary

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To date, medical education lacks Europe-wide standards on neurorehabilitation. To address this, the European Federation of NeuroRehabilitation Societies (EFNR) here proposes a postgraduate neurorehabilitation training scheme. In particular, the European medical core curriculum in neurorehabilitation should include a two-year residency in a neurorehabilitation setting where trainees can gain practical experience. Furthermore, it should comprise six modules of classroom training organized as weekend seminars or summer/winter schools. In conclusion, after defining the European medical core curriculum in neurorehabilitation, the next activities of the EFNR will be to try and reach the largest possible consensus on its content among all national societies across Europe in order to further validate it and try to extend it to the other, non-medical, professionals on the neurorehabilitation team in line with their core curricula defined by each professional association.

**Keywords:** curriculum, medical doctor, neurorehabilitation

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SESSION 2 - CHAIRPERSONS: David C. Good (USA), Leopold Saltuari (Austria)

11:10 - 11:40	Robotics: Therapy, scientific data and clinical experience Leopold Saltuari (Austria)
11:40 - 12:10	Spine is more than scaffold Heinrich Binder (Austria)
12:10 - 12:40	Pain in neurorehabilitation Giorgio Sandrini (Italy)
12:40 - 13:10	Stroke Rehabilitation: Where are we now, and where are we going? David C. Good (USA)
13:10 - 14:30	LUNCH

SESSION 3 - CHAIRPERSONS: Heinrich Binder (Austria), Gelu Onose (Romania)

14:30 - 15:00	A Synthetic approach in endeavors towards systematizing clinical assessment instruments used to evaluate neuromotor/cognitive-functional deficits after traumatic brain injuries, including through the ICF/DH conceptual framework Gelu Onose (Romania)
15:00 - 15:30	Clinical research within the framework of evidence-based medicine - methodological challenges and advances Johannes Vester (Germany)
15:30 - 16:00	ICU acquired weakness: an update Dana Boering (Germany)
16:00 - 16:30	Functional neurological disorders in children - Can rehabilitation help? Kristina Müller (Germany)
16:30 - 17:00	Gerontechnology for older stroke patients Gabriel Prada (Romania)
17:00	EFNR PRESIDIUM MEETING



The screenshot shows a web browser displaying the article page on the Frontiers website. The browser's address bar shows the URL <https://frontiersin.org>. The page header includes the Frontiers logo and the journal title "frontiers in Neuroscience | Neural Technology". A blue banner at the top right indicates the journal's impact factor is 3.877. The article title is "Mobile Mechatronic/Robotic Orthotic Devices to Assist-Rehabilitate Neuromotor Impairments in the Upper Limb: A Systematic and Synthetic Review". The authors listed are Gelu Grose, Nirvana Popescu, Constantin Munteanu, Vlad Ciobanu, Corina Sporea, Marian-Daniel Mirea, Cristina Daia, Ioana Andone, Aura Spinu, and Andrada Mirea. A red arrow points to the author "Gelu Grose". The page also shows the article type as "SYSTEMATIC REVIEW ARTICLE", the date "08 September 2018", and the DOI "10.3389/fnana.2018.00177". On the right side, there are statistics for "105 TOTAL VIEWS" and a "View Article Impact" button. The bottom of the page shows the Windows taskbar with the system clock at 3:25 PM on 9/5/2018.

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SYSTEMATIC REVIEW ARTICLE  
Front. Neurosci., 08 September 2018 | <https://doi.org/10.3389/fnana.2018.00177>

Mobile Mechatronic/Robotic Orthotic Devices to Assist-Rehabilitate Neuromotor Impairments in the Upper Limb: A Systematic and Synthetic Review

Gelu Grose<sup>1\*</sup>, Nirvana Popescu<sup>2</sup>, Constantin Munteanu<sup>3</sup>, Vlad Ciobanu<sup>4</sup>, Corina Sporea<sup>5</sup>, Marian-Daniel Mirea<sup>6</sup>, Cristina Daia<sup>1</sup>, Ioana Andone<sup>1</sup>, Aura Spinu<sup>1</sup> and Andrada Mirea<sup>1</sup>

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Societatea Română de Medicină Fizică, de Recuperare și Balneoclimatologie (SRMFRB), cu sediul în București, Spitalul Clinic al Județului Ilfov, B-dul Nașarabă, nr. 49-51, Sector 2, web: [www.srmfrb.ro](http://www.srmfrb.ro), E-mail: [office@srmfrb.ro](mailto:office@srmfrb.ro), reprezentată prin Domnul Conf. Univ. Dr. Dan Blonda, Președinte;

Asociația Română de Balneologie (ARB), cu sediul în București, strada Aleea Dabârla, nr. 7, Bloc D10, Sc. A, Ap. 4, Sector 2, Tel. 0723138339, Fax: 036616182, web: <http://bioclima.ro/>, E-mail: [office@bioclima.ro](mailto:office@bioclima.ro), reprezentată prin Domnul CSJL, Nicol. Șp. dr. Constantin Munteanu, Președinte;

Societatea Română de NeuroReabilitare (RoSNeRa), cu sediul la Clinica de Recuperare neuromusculară (RNM) a Spitalului Clinic de Urgență "Bagdasar - Arseni", București, Șos. Berceni, nr. 12, sector 4, cod. 041915, web: [www.rosnera.org](http://www.rosnera.org), reprezentată prin Domnul Prof. Univ. Dr. Gelu Onose, Președinte;

Societatea Română de Patologie, Terapie și Recuperare, Vertebro-Medulară (RoSCoS), cu sediul la Clinica RNM a Spitalului Clinic de Urgență "Bagdasar - Arseni", București, Șos. Berceni, nr. 12, sector 4, cod. 041915, reprezentată prin Domnul Prof. Univ. Dr. Gelu Onose, Președinte;

Asociația obștească "Societatea Specialităților în Reabilitarea Medicală și Medicină Fizică din Republica Moldova" (DNO 1012620000541; cu sediul în Str. Ion Creangă nr. 39/2- 50, Mun. Chișinău, Rep. Moldova, Tel. +373 691 64 870; +373 692 50 466 (secretariat); E-mail: [reabilitare.md@gmail.com](mailto:reabilitare.md@gmail.com) reprezentată prin Domnul Dr. Hab. St. Med. Prof. Univ. Oleg Pascal, Președinte.

Entitățile profesional-științifice de mai sus, numite în continuare Partii, își exprimă dorința de a colabora, în cadrul unui Consorțiu Academic, pentru dezvoltarea și promovarea specialității de Recuperare, Medicină Fizică și Balneologie și a domeniilor de NeuroRecuperare și de Turism Balnear.

În acest sens, Partțile sunt de acord să depună toate eforturile pentru realizarea următoarelor obiective:

1. Informare reciprocă și sprijin privind activitățile proprii din domeniile recuperării medicale, balneologiei și turismului balnear, la nivel național și internațional;

2. Realizarea unei bune colaborări și sprijin reciproc pentru inițierea și punerea în practică a unor proiecte menite să contribuie la desfășurarea serviciilor medicale de recuperare și balneologie și a unui turism balnear la standarde de calitate echivalente la nivel european.

3. Colaborare și sprijin reciproc în relația cu instituții de stat, autorități locale sau și organizații non-guvernamentale naționale și din străinătate;

4. Realizarea de acțiuni de informare și de educație la nivelul managementului societăților și al personalului specializat pentru practicarea unor servicii de calitate, competitive pe plan național, european și internațional, în sfera Medicinii Fizice, de Recuperare/ Reabilitare și Balneoclimatologiei, Neurorecuperării și Turismului Balnear;

5. Organizarea în comun a unui Congres anual al asociațiilor/ societăților din acest Consorțiu, la data și în locul convenite de comun acord. Fiecare Parte contribuind cu toată disponibilitatea, în funcție de posibilități, la efortul aferent organizării evenimentului mai sus menționat, țara de origine - aparte de costurile individuale, anuale, de mundenie specifică, stabilită independent costului propriului Statut și participă la Congresul, separat de către fiecare asociație/ societate - este identică pentru toți participanții, fiind însoțită unitar și folosită în comun al integral de Partii, pentru realizarea respectivului Congres anual.

Protocolul de colaborare se încheie pe o perioadă de doi ani, cu reînnoire automată, fără alte demersuri sau semnături, pe perioade de câte 2 ani, în cazul în care părțile nu au convenit altfel sau nu au renunțat unilateral și într-o vizită la data semnării lui de către reprezentanții fiecăreia dintre Partii.

Președinte al SRMFRB,  
Conf. Dr. Dan Blonda

Președinte al ARB/ARB,  
Prof. Univ. Dr. Gelu Onose

Președinte al RoSCoS,  
Dr. Hab. St. Med. Prof. Univ. Oleg Pascal

Președinte al RoSNeRa,  
Prof. Univ. Dr. Gelu Onose

Președinte al ARB, Vicepreședinte SRMFRB,  
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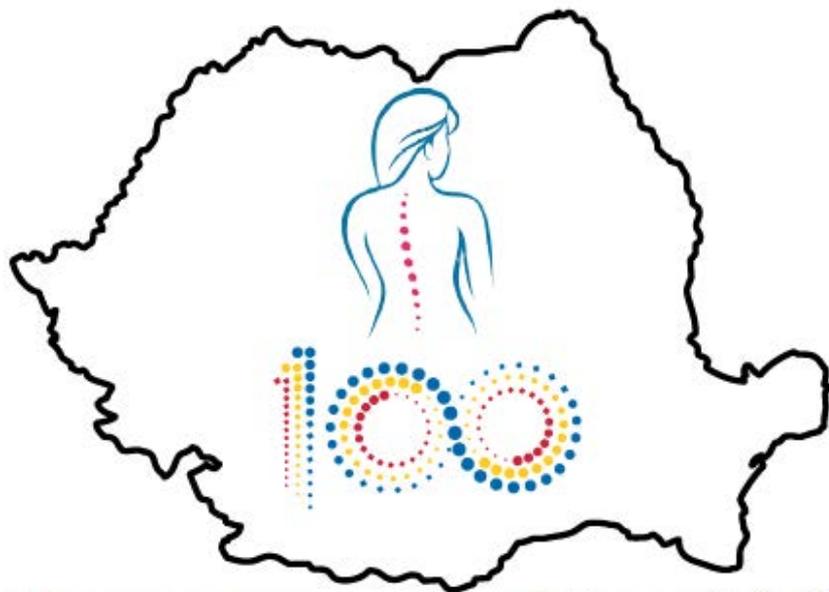
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Decembrie 2018



**Recuperarea, Medicina Fizică  
și Balneoclimatologia în  
AN CENTENAR**

## cuprins

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**Răspunderea pentru materialele publicate aparține în totalitate autorilor.**

## Cuvânt înainte



Prof. Univ. Dr.  
Gheorghe Onuș  
Președintele Asociației de  
Specialități Medicale și  
Farmaceutice din Republica  
Moldova

Imensabila inițiativă a revistei Medicină Academică, de a dedica numărul 10 al ediției "Căminarului Mărei Uniri" a României un ciclu de sărbătorire aniversară, pentru facerea/aprecierea medicală, reprezentată în binecunoscutul demers intelectual și, totodată, o autentică acțiune patriotică.

Personal, sunt onorat de invitația pe care această prestigioasă publicație mi-a adresat-o de a coordona editorial realizarea prezentei supliment la aprecia și ca pe o considerare la nivel de elită a Clinicii de Recuperare Neuro-musculară, pe care o conduc, ca aparține, pe linie didactică, Universității de Medicină și Farmacie "Carol Davila" și pe linie de asistență medicală administrativă, Spitalului Clinic de Urgență "Bagdasar-Arseni", ambele din București și sper ca, împreună cu colegii mei de specialitate - și nu numai - din diverse zone ale țării și din Republica Moldova: centre universitare (București - inclusiv Institutul Național de Recuperare, Medicină Fizică și Balneoclimatologie - Cluj-Napoca, Iași, Constanța, Oradea, Craiova, Timișoara, Galați, Chișinău) și unități clinice din ansele balneoclimatice - Sanatoriul Balnear și de Recuperare Teșchigheș și Spitalul Clinic de Recuperare Medicală Hârlețu - să fi realizat o aplicată sinteză a situației și principalelor aspecte profesionale și academice actuale ale Recuperării, Medicinii Fizice și Balneoclimatologiei (RMFB) românești în Anul Centenar, din care să se poată înțelege, de asemenea, perspectivele de viitor.

Așa aș vrea să vă prezint și o importantă dimensiune istorică, impusă atât de responsabilitate pentru

inițiativa, cât și indispensabilă legătură de prezent, totodată necesară fapt-oare actualității de moment, ce este deosebitul sunet de bilanț.

Astfel, stoopire și maximal rezumativ, se poate afirma faptul că actualitatea RMFB este, în privința medicală românească, o prezintă omniemisă, cu potențial de dezvoltare în continuare și are - unele chiar dinaintea ultimei zăne de ani și - continuitate până/ inclusiv în prezent, prin realitățile apertitudinii unor generații succesive de specialiști - numeroși și desigur de valoroase contribuții la dezvoltarea și multiplicarea acestui complex segment de activitate, în țară dar și cu apreciable confirmări ale vizibilității și recunoașterii sale internaționale, purtându-se vorba, în același timp, cu justificată mândrie, de o bogată Școală de profil (astăzi și în prezentul viitor) - dar și - chiar cu unele asocieri în limite rezonabile caritative și în spiritul standardelor de etică publicistică - o serie de date relevante, acumulate în angaja literaturii autohtonă contemporană de specialitate.

Cum însă simt din an-i creat de om nu e perfect, fiind tocmai de aceea - ca primă și fundamentală de progres - preferabil, mai sunt încă, și probabil vor fi mereu, lucruri de făcut sau/și de corectat. Astfel, o dimensiune deosebit de importantă a noastră, a tuturor celor din specialitatea la care se referă prezenta Suplimentă Aniversar și care are în privilegiul nostru de a ține împreună cu Patria în ord-e al doilea secol al său de existență amintiri, este aceea de a realiza cât de curând un consens durabil în privința demersului acestei specialități medicale.

Suplimentul Aniversar de față este, așa cum se poate vedea parcurgându-l, rodul eforturilor de

elaborare a unui număr mare de co-autori (ce eventual ar fi putut fi încă mai mare), cuprindând, înțeleg și contribuții ale unor colegi din Republica/ Republica Moldova. Aș vrea să văd în vedere însă liniștele obiective de încadrare într-un spațiu editorial posibil ca și dificultatea sincronizării unei echipe și mai extense de colaboratori, într-un interval scurt de timp (condiționat de încadrarea în calendarul Centenarului), se simt limpede la procesul de lucru. A se observa că, la fiecare din zilele articolele aferente unei anumite subteme, există, dintre co-autori și un număr de co-editori pentru textul referitor la subiectul tratat în respectiva parte a prezentei Supliment.

De asemenea și faptul că, pentru un caracter cât mai ușor al largului spectru de lucrări aște, în amănunț, în vedere, editorii Medicină Academică și prezenta revistă se consideră, în general, foarte adevărat un număr acceptabil de subteme (relativ) - cadrul, de abordat - dar cu inevitabile și unele nuanțe/ particularități care, timp, pot diferi de

la o specialitate în alta - ce constituie răspuns al Valoarea noastră.

Vișeu, în bucuria acestor rânduri înalte, să exprime însoțind revistei Medicină Academică aprecierea mea pentru aceste nobile omagii aduse medicilor româniști în Anul Centenar, să mulțumesc tuturor colegilor mei co-autori - inclusiv și odată în plus celor care sunt și co-editori - pentru atenția lor strălucită și asomare, alături contribuțiilor aduse la scrierea și armonizarea acestui lucrări și sper ca rezultatul muncii noastre să se fi ridicat la înălțimea necesară. Cu dragă înțelegere de propășire a țării, doresc din tot sufletul ca în istoria viitoare, armazaj român să aibă parte de ocaziuni comemorative asemenea momente înălțătoare și, la rândul lor, să le imagineze, în sfera specialității în care se referim, cu aceeași dăruire. Ca un exemplu în acest sens, cită o inspirație și adevărată comunitate, formularea a D-nei Dr. M.C. Verence: "...sa fi dăruia celor ce vor scrie numărul omagial al acestei publicații peste încă o sută de ani. La mulți ani, România!"

### cuprins

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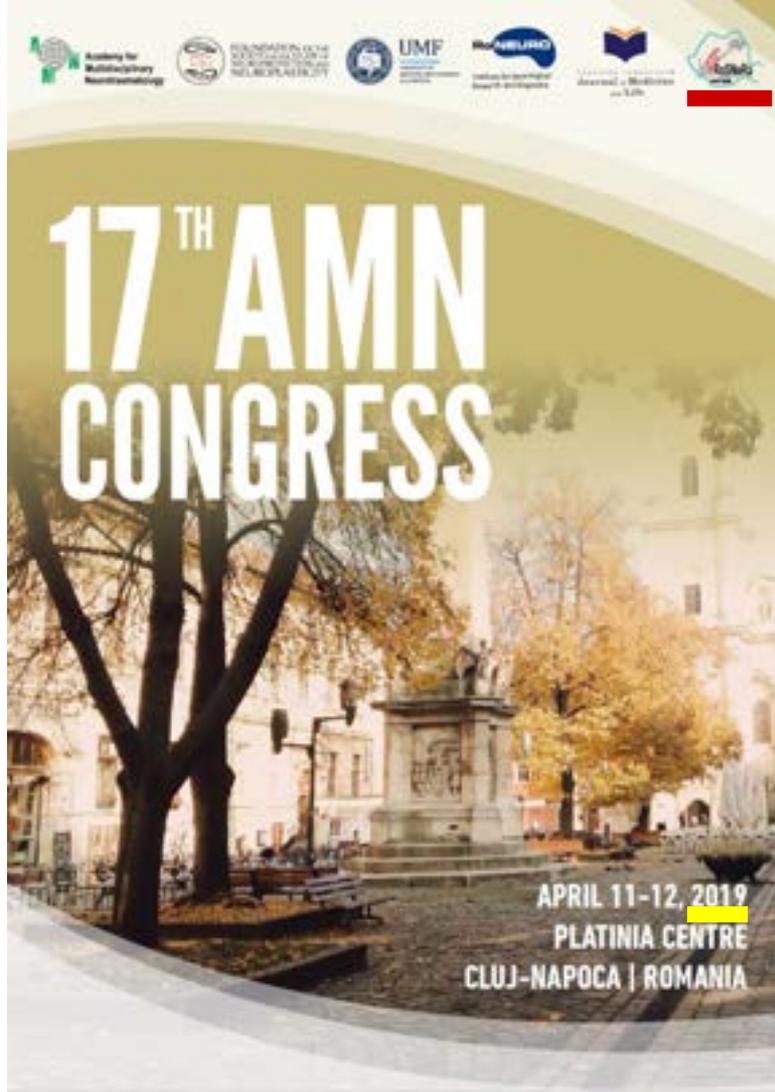
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The poster features a background image of a park with trees and a fountain. At the top, there is a row of logos for the organizing institutions. The main title '17<sup>TH</sup> AMN CONGRESS' is prominently displayed in the center. At the bottom right, the dates and location are specified.

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ACTUAL SYNTHETIC OVERVIEW ON MAIN TRAUMATIC SPINAL CORD INJURY CURRENT ISSUES - AS BASIS AND RATIONALE FOR A BRIEF IN ADVANCE, AWARENESS ABOUT OUR INITIAL ENDEAVORS TO APPROACH ITS CLINICAL RELATION WITH CHRONIC ETHANOL CONSUME CONCERN

### ABSTRACT

Background

In the University of Medicine and Pharmacy "Carol Davila" Bucharest, Romania  
In The Faculty "Georgiana Trușcă" Medicine School, Bucharest, Romania

This work presents a synthesis up to date literature review on main traumatic spinal cord injury (SCI) current issues focusing, according to their importance, on epidemiological and etiological pathophysiological - bio-chemical synthesis aspects including cell adhesion and other - in particular axonal growth - our research regarding a related acute handling fact: the spinal functional status and evolution after severe TSCI are similar in chronic alcoholic drinks consumers than in control patients who do not have this risk.

Trying to progressively structure, generalize precisely and in short, to understand the other epidemiological clinical circumstances, we have updated our knowledge about injury committed actual aspects of TSCI, and then, have achieved a brief - of a certain - paper, containing, on this framework, in brief mentioned in short basic bibliography, findings and summarized conclusions on possible mechanisms of chronic ethanol consume with TSCI pathogenesis and respectively, initial preliminary comparative data in between the two specified levels of patients.

By following the above mentioned theoretical of address concerning TSCI, we have and summarized, with the permission of the journal where this research is submitted for - hopefully soon - publication, using key points of the evidence we have, in this respect, performed by two synthesis of information about the structure of spinal safety and their basic activity in the nervous system - as generally determined but also the links we could identify in relation with TSCI - and an adequate patient questionnaire analyses, based on a rigorous criteria: questionnaire diagnosis - and partly on the Short Wechsler Adult Intelligence Screening Test - and respectively on the American Spinal Injury Association impairment score, including with the associated functional grading - grades - all primary data systematically statistically processed, aiming to emphasize the specificity, interest but - we consider - such a special worthy matter and also for the respective article of ours.

Key words: traumatic spinal cord injury (TSCI), chronic alcohol consume, spinal functional status and evolution, American Spinal Injury Association Impairment Scale (AIS), alexandru.v.cioreanu@gmail.com

# 17<sup>TH</sup> AMN CONGRESS

14:40 – 15:00

TBI trigger or aggravating factor in Alzheimer's disease?  
A.V Ciurea (Romania)

15:00 – 15:10

Discussions

## SESSION 4, CHAIRPERSONS: Gelu Dnoșe (Romania),

A. V. Ciurea (Romania)

14:10 – 15:30

Diagnosis and initial management of mild traumatic brain injury: variability of clinical presentation and accuracy of diagnosis  
Yuri Alekseenko (Belarus)

15:30 – 15:50

Actual synthetic overview on main traumatic spinal cord injury current issues - as basis and rationale for a brief, in advance, awareness about our initial endeavors to approach its clinical relation with chronic ethanol consume  
Gelu Dnoșe (Romania)

15:50 – 16:10

Enhanced processing of data on association of maxillofacial trauma and TBI improves outcome  
Mihaela Băciut (Romania)

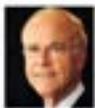
16:10 – 16:30

Early rehabilitation of severe brain injury: a dynamic field  
Dana Boering (Germany)

16:30 – 16:40

Discussions

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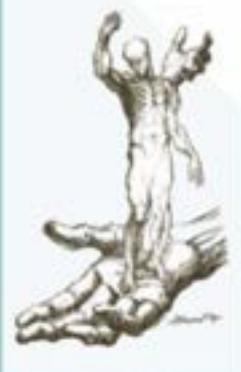


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- 17:10 - 17:35 Liliana Pădure, Gelu Onose, Mihaela Mandu, Mihai Băilă, Corina Sporea, Simona Carniciu, Andrada Mirea, Cătălin Moghioroiu, Ioana Andone, Liliana Onose, Florin Drăgan, Cristian Dumitru Badiu și Constantin Ionescu-Tîrgoviște. **Argumente și demersuri pentru înființarea în cadrul FMAM a UMF „Carol Davila” a unui program de master în podologie - pași următori**
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- 17:50 - 18:10 Radu Negoescu, Cristian Bălan, Mirela Bănăteanu, Doina Nițulescu. **Fericire, sănătate, boală - (pato)gnomonice ale stării societății**
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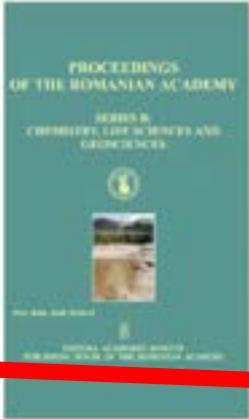
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## ASOCIAȚIA MEDICALĂ ROMÂNĂ

# Al XIV-lea Congres Național

- Specialități MEDICALE - Specialități CHIRURGICALE



Premiile  
Naționale  
ale AMR



34 credite EMC  
2020  
2-5 decembrie  
2020

Programul Științific • Vineri, 4 decembrie 2020

### MEDICINĂ DE RECUPERARE

- 14:00 - 14:30 **Experiența noastră și lecțiile învățate din organizarea de congrese în specialitatea Medicină**  
**Forum și Recupărare & Biotehnologie - cu participare internațională - cu credite CME europene, certificate internaționale, și cu premii, anul acesta online**  
 Prof. Dr. Gelu Onuș, Dr. Mihnea Gheorghe (Marin), Dr. Andrei Gălbac, Dr. Cosmin Popescu, CS-RBC, Consilier Medical
- 14:30 - 14:35 **Retaliu țării, dar important acces la servicii sanitaro-medicale în caz de perturbări complete post-coronavirus în țările noastre**  
 Dr. Andrei Vasilescu Ștefan, Șef Lucr. Dr. Cristina Octaviana Gălb, H. Spital-Poliu, Prof. Dr. Gelu Onuș

### EPIDEMIOLOGIE ȘI CONTROLUL INFECȚIILOR

- 14:35 - 15:00 **Microbiofizica virușilor în aer, asociată cu tehnologii optice și digitale**  
 Prof. Dr. Violeta Zamca, Irina Gabriela Iordă, Cătălina Petroșanu, Andrei Roșescu, Raluca-Dana Pulpa, Radovan Hristache
- 15:00 - 15:20 **Chirurgia infecțioasă, Prezent și viitor**  
 Conf. Dr. Radovan Hristache

### ENDOCRINOLOGIE

- 15:20 - 15:40 **Deficitul postnatal de iod și consecințele sale**  
 Conf. Dr. Dana Păun
- 15:40 - 16:00 **Alimentația patologică în timpul pandemiei**  
 Șef Lucr. Dr. Maria Corina, Dr. Eugenia Petrescu, Dr. Claudiu Tușneț, Dr. Mihnea Popovici, Dr. Andrei Dumbrăveș, Dr. Nicușor Dumbrăveș, Conf. Dr. Adina Ștefănescu, Șef Lucr. Dr. Ana Vălcuș
- 16:00 - 16:25 **Paradoxul: De la utilizarea în reținerile încazului de încazuri ventilatoriale la scutul scutitor de tunel-tunel**  
 Șef Lucr. Dr. Maria Corina, Dr. Mihnea Popovici, Dr. Eugenia Petrescu, Dr. Nicușor Dumbrăveș, Dr. Claudiu Tușneț, Dr. Andrei Dumbrăveș, Conf. Dr. Adina Ștefănescu, Șef Lucr. Dr. Ana Vălcuș

### PNEUMOLOGIE

- 16:25 - 16:30 **Importanța Respiratorilor în prevenirea și tratamentul infecțiilor respiratorii**  
 Dr. Ștefan Gălbaciu, Prof. Dr. Adrian Neșoiu
- 16:30 - 17:00 **Rolul planșelor medicale și aerostatice în ameliorarea depresiilor și în regimul salubrității sanitaro**  
 Șef Lucr. Dr. Florin Gabriela-Rusu

### STOMATOLOGIE

- 17:00 - 17:30 **Concepte moderne în tratamentul stomatologic al bolnavilor cu afecțiuni genitale**  
 Prof. Dr. Nicolae Constantin Păun, Dr. Loredana-Pamela, Dr. Neșoiu Florin, Dr. Cristina-Dana-Dăscăluș

### MEDICINĂ DE FAMILIE

- 17:30 - 17:50 **Caracteristici ale sindromului de boală cronică**  
 Prof. Dr. Adrian Neșoiu
- 17:50 - 18:00 **Obiective și valori - Implicatii clinice în perioada post-pandemie de SARS-CoV-2**  
 Șef Lucr. Dr. Mihnea Andrei-Iancu, Prof. Dr. Dumbrăveș

### DIABETOLOGIE

- 18:00 - 18:20 **Sarcina și nașterea în pandemia COVID-19**  
 Prof. Dr. Loredana Păun, Dr. Mihaela Neșoiu, Dr. Daniela Tăbăra

### CARDIOLOGIE, DIABETOLOGIE ȘI

- 18:20 - 18:40 **Sindromul coronarian**  
 Conf. Dr. Camelia Dăscăluș
- 18:40 - 19:00 **Situația hipertensiunii arteriale în timpul pandemiei de SARS-CoV-2**  
 Prof. Dr. Maria Corina
- 19:00 - 19:20 **Diagnostice și tipuri de cardiomiopatii în comunitățile vulnerabile**  
 Prof. Dr. Daniela Gheorghiu, Dr. Teodora Buză
- 19:20 - 19:40 **Planșele aerostatice în prevenirea și tratamentul diabetului zaharat**  
 Prof. Dr. Daniela Gheorghiu, Dr. Andrei Mădăraș
- 19:40 - 20:00 **Efectele extracoronari ale terapiei cu SGLT**  
 Conf. Dr. Andrei Păunescu
- 20:00 - 20:10 **Profilul de risc cardiovascular al pacienților hipertensivi din perspectiva medicilor de familie din România**  
 Conf. Dr. Raluca-Dana Popovici
- 20:10 - 20:25 **Profilul de risc cardiovascular al pacienților hipertensivi din perspectiva medicilor de familie din România**  
 Conf. Dr. Raluca-Dana Popovici

Programul Științific • Vineri, 4 decembrie 2020

**The WFNR Congress – online**: although originally scheduled to take place physically, by direct participation – like the 2020 SRMFRB Congress, where RoSNeRa was a scientific partner – **due to the pandemic, this congress, eventually, was held online**



**11<sup>th</sup> WORLD CONGRESS FOR  
NEUROREHABILITATION**

*jointly with*

**35<sup>th</sup> CONGRESS OF THE FRENCH SOCIETY OF  
PHYSICAL AND REHABILITATION MEDICINE**

7–10 October 2020 | Lyon, France

**WFNR**  
World Federation for Neurorehabilitation

**SOFMER**



## ePoster self study (no guided poster presentations)

### Session

07.10.2020  
09:00-20:00

**Title:** ePoster self study  
WPNH – Spinal cord injury

**Type:** ePoster self study

**Room:** ePoster corner

Due to the more than 5000 ePosters, there will be no organised ePoster sessions. All ePosters are available for self-study and accessible at time in our ePoster corner. The authors have submitted their ePosters in advance, optionally with explanatory video. If the author has agreed, you can contact her/him by e-mail and additionally you can contact all authors/participants via chat on the digital congress platform during the congress.

P0617 The effect of gait training using end-effector type robotic device in patients with incomplete spinal cord injury  
Ho He Jeon (Joon-heung Gwangju/SPC)

P0618 Investigation of bias due to loss of participants in the Handbikilable – understanding the reasons for dropping out  
Jaume Pons (Alicante/UKA)

P0619 World trends in the rehabilitation of patients with spinal cord injury – scientometric analysis of evidence-based publications  
Mehmet Akif Altun (Istanbul/UKA)

System analysis of the effect of Transcranial Magnetic Stimulation on the corticospinal tract in patients with Spinal Cord Injury  
Lorena Torralba (Madrid/SPC)

P0620 Respiratory complications following a spinal cord injury: a retrospective study at a tertiary level  
Saverio Di Biase (Napoli/SPC)

P0621 A case series of sustainable use of robotic exoskeleton from Ekso Bionics for overground ambulation in patients with complete spinal cord injury  
Avinash Kulkarni (Singapore/SPC)

P0622 Etiology, characteristics of recovery phase spinal cord injury rehabilitation in the urban public rehabilitation center in Japan  
Masaki Mochizuki (Miyagi)

P0623 Ziconotide for spinal cord injury related pain  
Andriana Linares (Spain/SPC)

P0624 Our findings regarding walk's burden and its possible interventions with consequent coping strategies, related to children with amblyopia with spinal muscular atrophy (SMA) – preliminary results of an ongoing pilot study  
Sara Invernizzi (Brescia/UKA)

P0625 Intensive locomotor training with targeted optokinetic spinal stimulation after paraplegia – a case study



**Physical Medicine, Rehabilitation and Balneology - a unitary medical specialty, suitable for successfully addressing the global challenges - divergent, complex - represented by the rapid demographic aging and, respectively, by the modern strategic option regarding combating disabilities and increasing the quality of life**

**Prof. Univ. Dr. Gelu Onose**, MD, PhD, MSc<sup>1,2</sup>

**Conf. Univ. Dr. Liliana Pădure** MD, PhD <sup>1,3</sup>

**Conf. Univ. Dr. Dan Blendea** MD, PhD <sup>4,5</sup>

**Conf. Univ. Dr. Olga Surdu** MD, PhD <sup>6</sup>

**Ș.L. Univ. Cristina Daia**, MD, PhD<sup>1,2</sup>

**Ș. L. Univ. Aura Spînu**, MD, PhD<sup>1,2</sup>

**Dr. Biol. Constantin Munteanu**<sup>2</sup>

**Asist. de CDI Dr. Cristina Popescu**, MD, PhD<sup>2</sup>

1. Universitatea de Medicină și Farmacie "Carol Davila", din București
2. Spitalul Clinic de Urgență "Bagdasar-Arseni", București
3. Centrul Național Clinic de Recuperare Neuro-psiho-motorie Copii "Dr. N. Robănescu", București
4. Universitatea "Titu Maiorescu" – Facultatea de Medicină – București, Romania
5. Spitalul Clinic de Urgență al județului Ilfov, București, Romania
6. Sanatoriul Balnear și de Recuperare Techirghiol

*Motto:*

"Ce-ți doresc eu ție,  
dulce Românie ...

La trecutu-ți mare, mare viitor !"  
Mihai Eminescu



A DOUA EDIȚIE A CONFERINȚEI NAȚIONALE

**ENDOCRINOLOGIA  
O ABORDARE MULTIDISCIPLINARĂ**

30-31 OCTOMBRIE 2020  
BY ANIMATED VIDEO  
LIVE STREAMING

COORDINATORI ȘTIINȚIFICE  
CONF. DR. DIANA LORETA PĂUN  
CONF. DR. ALINA CHEMOZAN

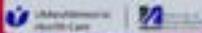


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**COVID-19 and DIABETES**



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CENTER OF EXCELLENCE



## **Diabetul zaharat – comorbiditate la pacienții cu COVID-19**

MUNTEANU, Constantin<sup>1,2</sup>; PĂUN, Diana-Loreta<sup>3</sup>; ȘUȚĂ, Alina-Maria<sup>4</sup>;  
FLORESCU, Simin Aysel<sup>3,5</sup>; ONOSE, Gelu<sup>1,3</sup>



[www.bioclima.ro](http://www.bioclima.ro)  
Email: [office@bioclima.ro](mailto:office@bioclima.ro)

Mobile: +4/0723.138.339

dr. biol. Constantin Munteanu

Spitalul Clinic de Urgență „Bagdasar Arseni” din București

Asociația Râomnă de Balneologie



Romanian Language Congress Webpage



English Language Congress Webpage

## Societatea Română de Medicină Fizică, de Recuperare și Balneoclimatologie (SRMFRB)



**TURISM COVASNA S.A.**

HOTEL CAPRIOARA\*\*\*\* HOTEL COVASNA\*\*\* HOTEL CERBUL\*\*

# Congresul Național de Medicină Fizică, de Recuperare și Balneologie cu participare internațională

**COVASNA, 1-5 Septembrie 2021**



<http://srmfrb.ro>



<http://bioclima.ro>



European Congress of  
NeuroRehabilitation 2021

*jointly with*

27<sup>th</sup> Annual Meeting of the  
German Society of  
NeuroRehabilitation

8-11 December

2021  
*digital*



# Detecting/ objectifying local and regional neurorestorative elements after ischemic stroke

Speaker: Prof. univ. dr. Gelu Onose (Bucharest/RO)

Authors: Gelu Onose (Bucharest/RO), Aurelian Anghelescu (Bucharest/RO), Dan Blendea (Bucharest/RO), Vlad Ciobanu (Bucharest/RO), Cristina Daia (Bucharest/RO), Carmen Firan (Bucharest/RO), Constantin Munteanu (Iași, Bucharest/RO), Mihaela Oprea (Mandu) (Bucharest/RO), Aura Spinu (Bucharest/RO), Cristina Popescu (Bucharest/RO)

In September, 2022, RoSNeRa and RoSCoS has been co-organizers and scientific partners of “The Romanian Congress of Physical and Rehabilitation Medicine & Balneology, 3-10 September 2022, Slanic Moldova/ Techirghiol, Romania: 03/09/2022- 10/09/2022 that has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 44 European CME credits (ECMEC®)).

**Honorary Presidents:**

Academician Constantin Ionescu-Târgoviște - Președinte al Asociației Medicale Române

Prof. Univ. Dr. Gelu Onose - Universitatea de Medicină și Farmacie "Carol Davila" București, Președinte de Onoare Executiv al SRMFRB

Prof. Univ. Dr. Corin Badiu - Universitatea de Medicină și Farmacie "Carol Davila" București,

**Congress Presidents:**

Prof. Univ. Dr. Oleg Pascal, Președinte al Societății Specialiștilor în Reabilitarea Medicală și Medicină Fizică din Republica Moldova (SSRMMFRM)

Șef Lucrări Dr. Biol. Constantin Munteanu, Președinte al Asociației Române de Balneologie (ARB)

Conf. Dr. Dan Blendea, Președinte al Societății Române de Medicină Fizică, Recuperare și Balneoclimatologie (SRMFRB)



- **The Congress was also a genuine and remarkable success, with, as well, an exceptional visibility and recognition**, both: as level and number of dignitaries of the Romanian State, academic and medical, domains – who addressed us warm words of appreciation – and of a consistent international participation.
- Another important mention: the number of prestigious universities that have granted us **academic auspices** has also increased in these years, reaching, in 2022, to 11 !
- An emphasis with **a vibrant fraternal connotation** is required here: our excellent collaboration with the **Society of Specialists in Medical Rehabilitation and Physical Medicine from the Republic of Moldova (SSRMMFRM)** and also the **academic auspices** of the "Nicolae Testemițanu" State University of Medicine and Pharmacy, in Chișinău, Republic of Moldova
- In summary: **32 oral presentations** were presented, through the **contribution of some RoSNeRa and/or RoSCoS members**

## Published scientific works:

Smart  
Diaspora  
2023



webofscience.com/wos/author/record/2178481

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Profile summary

- 101 Total documents
- 101 Web of Science Core Collection publications
- 0 Preprints
- 7 Verified peer reviews
- 0 Verified editor records

Web of Science Core Collection metrics

**101** papers published in **ISI indexed medical journals**

**About 60** papers published in **Balneo Research Journal**, respectively in **Balneo and PRM Research Journal** (which **became an ISI indexed–ESCI–journal without impact factor, starting with 2021**)

**About 40** papers published in **BDI indexed journals**

Scientific event also mentioned on the official website of the International Society of Physical and Rehabilitation Medicine (**ISPRM**):

The screenshot displays the ISPRM website with the following content:

- ISPRM 2022 AWARDS: OPEN FOR NOMINATIONS** (teal banner)
- Logos for **Avanzologie**, **SIMFER**, **UNIVERSITA DEGLI STUDI DI MILANO**, and **UNIVERSITATEA DE MEDICINA SI FARMACI**.
- 1<sup>ST</sup> ROMANIAN-ITALIAN CONFERENCE ON PHYSICAL AND REHABILITATION MEDICINE**  
Date: 21-22 OCT 2022
- 1st ROMANIAN-ITALIAN CONFERENCE ON PHYSICAL AND REHABILITATION MEDICINE**  
On 21 and 22 October, 2022, will be held in the Săbă Fătu medical resort, the 1st Romanian-Italian Conference on Physical and Rehabilitation Medicine.  
The scientific communication sessions from 21-22 OCT will take place at the Hotel President (located 80 m from Avanzologie President Rehabilitation Hospital).  
The workshops with practical demonstrations from 22-23 OCT will take place on the premises of the Avanzologie President Rehabilitation Hospital.  
Official language: English  
PROGRAMME: <https://www.medcongress.com/romanian-italian-conference-on-physical-and-rehabilitation-medicine/>  
REGISTER: <https://www.medcongress.com/registration-form/>
- Tweets from @ISPRM**  
ISPRM @ISPRM - Mar 25  
If you require a visa to visit to Colombia, please go to [isprm2023.org](https://www.isprm2023.org), click on "Registration" and find the Visa information to download the invitation letter!

# Smart Diaspora 2023

**1st Romanian-Italian Conference on Physical and Rehabilitation Medicine**  
**Auxologico President Medcenter, Baile Felix, Oradea** – Romania, 21-22 October 2022. **Co-Presidents: Prof. Dr. Gelu Onose – Bucharest, Romania – and Prof. Dr. Luigi Tesio – Milano, Italy.**

Morning session – **Chairman: Prof. Dr. Gelu Onose**: "Condensed overview of our attempts to contribute at systematizing, through the ICF(-DH) paradigm, of main evaluation instruments, in PRM & Balneo Climatology".

[\(https://auxologicopresident.ro/1-st-romanian-italian-conferenceon-physical-and-rehabilitation-medicine/\)](https://auxologicopresident.ro/1-st-romanian-italian-conferenceon-physical-and-rehabilitation-medicine/).



## Additionally, but very important and honorable:

- the Honorary Ad Vitam President of the SRMFRB/ RSPRMB, **Prof. Dr. Gelu Onose** has been invited/acted as **Peer-Reviewer**, by the **Journals**: "Journal of Clinical Medicine", "International Journal of Environmental Research and Public Health", "Sensors", Signa Vitae, "Journal Biomedicines", "Biology", (<https://publons.com/researcher/4196982/gelu-onose/>), "Frontiers in Neurology", ([www.frontiersin.org](http://www.frontiersin.org)) – at the same time he has been appointed as member of the board reviewers of this prestigious journal – and respectively, **Assoc. Prof. Dr. Cristina Daia**, by the **Journals**: "Journal of Clinical Medicine", "International Journal of Molecular Sciences" and "Toxins" (<https://publons.com/researcher/1859836/cristina-daia/peer-review/>)

- **Guest Editors** for the "Special Issue Title: Spinal Cord Injury" of the journal Signa Vitae: **Assoc. Prof. Constantin Munteanu, Prof. Dr. Gelu Onose, Assoc. Prof. Dr. Gabriela Dogaru, Assoc. Prof. Dr. Cristina Daia** (<https://www.signavitae.com/special-issues/1371360101938413568>) and respectively, for the "Special Issue Title: Neurological rehabilitation in different spinal cord impairment" of the journal Signe Vitae: **Assist. Prof. Dr. Ana-Maria Bumbea** (<https://www.signavitae.com/special-issues/1369579032771739648>)

**N. B.:** To all this above presented ample academic activity of the RoSNeRa – deployed by its members – it is **to be added the prodigious and well known one, including in 2022, by Prof. Dr. Dafin Muresanu**, who is also a Honorary President of the RoSNeRa

In order to identify the development directions of **RoSNeRa`s** and **RoSCoS**'s activity and to obtain an overview of it, we performed a related **SWOT analysis**:

<b>(Strengths-S)</b>	<b>(Weaknesses-W)</b>
<ul style="list-style-type: none"> <li>• the increased number of students carrying out internships in the clinic as well as residents and doctoral students in our specialty who are involved including in the society's activity</li> </ul>	<ul style="list-style-type: none"> <li>• insufficient spaces for the applied practical training of students and residents/ junior doctors, the absence of an adequately equipped and meeting room in the clinic;</li> </ul>
<ul style="list-style-type: none"> <li>• conducting medical and didactic activities within renown University Clinic Divisions – at SCUBA is the National Reference Center for NeuroRehabilitation</li> </ul>	<ul style="list-style-type: none"> <li>• the difficulty of obtaining the latest generation physiotherapy and kinesitherapy equipment due to the specific financial limitations of our state health system.</li> </ul>
<ul style="list-style-type: none"> <li>• technical equipment corresponding to the procedures administered;</li> </ul>	
<ul style="list-style-type: none"> <li>• the direct and unconditional support of the institution's management for a good performance of the medical, educational and research act at high standards;</li> </ul>	
<ul style="list-style-type: none"> <li>• substantial training</li> <li>• academic culture centered on research and teaching</li> </ul>	
<b>(Opportunities-O)</b>	<b>(Threats-T)</b>
<ul style="list-style-type: none"> <li>• the possibility of accessing European funds for infrastructure projects – see, for instance, recently: STRATIF-AI</li> </ul>	Lack of adequate financing due to economic conditions; with the risk of blocking some European funds;
<ul style="list-style-type: none"> <li>• mobility and accessibility of participation in training courses at national and international level</li> </ul>	Cumbersome and limiting administrative procedures in the act of implementing projects with European funds, bureaucratic difficulties in public procurement processes
	Migration of students and residents/ junior doctors abroad
	Changing legislation, the instability of the political and economic-social system
	The COVID-19 pandemic

## Basic directions for our research activity development

### Scientific research is essential !

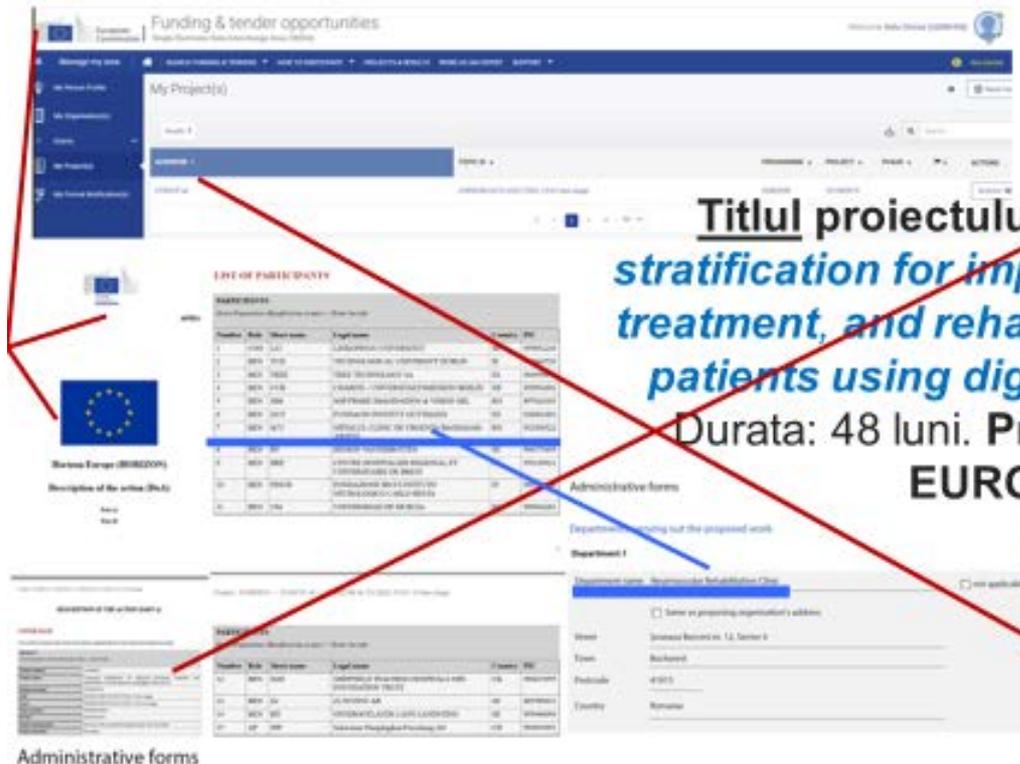
The fields of research in which we have been involved so far, such as: neuro-muscular rehabilitation – both in conditions after **spinal cord** and/or **brain, injuries**, after **stroke**, and as well, in **neuro-myo-arthro-kinetic pathology**, will also constitute, henceforth, our main – but not exclusively – areas of interest

## Main objectives of our scientific research activity:

- Involvement in projects with impact on the **health and quality of life of people**;
- Participation in programs and **collaborations** within national and international research-development-innovation programs;
- Capitalizing of the research results through **publishing** of scientific works;
- To **attract funds from research grants**;
- To **increase the scientific reputation and visibility of our: University, Hospital and professional-academic Societies**

## National research project

- It is also to be mentioned the research project with the acronym "BIOHIS" won through the **PED 2022 competition within the 18 PN-III-P2-2.1-PED-2021-2146**: "Metodă combinată bazată pe imagistică hiperspectrală și investigații biologice de evaluare a efectelor unor factori naturali terapeutici în afecțiuni din sfera patologiei neuro-mio-artro-kinetice"/ „**Combined method based on hyperspectral imaging and biological investigations to evaluate the effects of some natural therapeutic factors in neuro-myo-arthro-kinetic pathology**" – 2022-2024.
  - **Partners:**
    - The University of Medicine and Pharmacy "Grigore T. Popa", in Iași – Coordinating Unit
    - The National Research and Development Institute (INCD) for Optoelectronics – INOE 2000;
    - The Teaching Emergency Hospital "Bagdasar-Arseni" (SCUBA), in Bucharest
- Project Director: Assoc. Prof. Dr. Biol. Constantin Munteanu**
- Responsible of staff for the Partner SCUBA: Assist. Prof. Dr. Cristina Popescu**



European research  
project  
recently won:

**Titlul proiectului:** *"Continuous stratification for improved prevention, treatment, and rehabilitation of stroke patients using digital twins and AI"*

**Durata:** 48 luni. **Proiect HORIZON EUROPE.**

Proiect câștigat – în prezent se află în perioada de contractare.  
**Acronimul proiectului:** **STRATIF-AI**. Proposal ID 101080875-2.

**Coordonator principal:** Universitatea Linkopings, Suedia.  
**Programul de Cercetare al UE/ Comisia Europeană:** **HORIZON-HLTH-2022-TOOL-12-two-stage**

### Researchers involved in the proposal

Title	First Name	Last Name	Gender	Nationality	E-mail	Career Stage	Role of researcher (in the project)	Reference Identifier	Type of identifier
Prof	Geila	Onise	Man	Romania	geilazonose@gmail.com	Category A Top grade	Leading	0000-0002-6346-8943	Orcid ID
Prof	Constantin	Muraru	Man	Romania	constantin2379@yahoo.com	Category B Senior reser	Team member	0000-0002-1084-7710	Orcid ID
Dr	Cristina	Papescu	Woman	Romania	cristina_papescu_recuperas@yahoo.com	Category C Recognized	Team member	0000-0002-5703-965X	Orcid ID
Prof	Stefan	Bucur	Man	Romania	stefan.bucur@unifl.ro	Category A Top grade	Team member	0000-0002-4078-9655	Orcid ID

# Smart Diaspora 2023



## Members



## WHO ARE WE?

### British-Romanian Academic Institute of Neurosciences



Genetics

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Pathology

Read more



CCAMP

Read more



Neurology

Read more



Psychology

Read more



NeuroRehab

Read more



## CONCLUSION

Teamwork, exchange of ideas/ feedback, promotion of modern/ current valuable advancements, receptivity and strengthening constructive collaboration, at: national – including with our "SMART DIASPORA" – and international, levels, are crucial for achieving the proposed objectives and we strongly consider this is the way ahead to progress, generally, and specifically, regarding NeuroRehabilitation.

Hence, this prestigious academic event is most welcome!

”Dear Prof. Onose

Many thanks for your e mail of the 8<sup>th</sup> February and apology for the delay in replying.

**I believe every clinician who dedicates his professional life to SCI is worth his/her weight in Gold.  
I agree with you I consider these clinicians first class citizens.**

Some clinicians in more established and glamorous specialities however with higher number of patients would not consider the patient with SCI as first class patient citizen in the hospital and do not consider the clinicians who treat them as equal specialists.

I am thinking of the majority of such clinicians and patients in the developing and developed countries.

Wagih”

Signed: **Mr Wagih S El Masry**, FRCS, FRCP

Consultant Surgeon in Spinal Injuries; Director, Midlands Centre for Spinal Injuries; **President of ISCoS**



### Executivul RoSNeRa

Noua componență, actuală, a Comitetului Director al RoSNeRa, ales în cadrul Adunării Generale de Raport / Dars de seară și Alegere, în data de 16.01.2016

 <b>Florin Stoilici</b> Cămin Neuroștiințe Neuroștiințe	 <b>Vlad Cămin</b> Așchil Neuroștiințe Neuroștiințe Psihologie Neuroștiințe	 <b>Nicoleta Stoilici</b> Așchil Neuroștiințe Neuroștiințe Psihologie Neuroștiințe	 <b>Elisabeta Ștefan</b> Cămin Neuroștiințe Neuroștiințe Psihologie Neuroștiințe
 <b>Ștefan Ștefan</b> Neuroștiințe Neuroștiințe Neuroștiințe	 <b>Liliana Ștefan</b> Neuroștiințe Neuroștiințe Neuroștiințe	 <b>Anca Ștefan</b> Cămin Neuroștiințe Neuroștiințe Psihologie Neuroștiințe	 <b>Ștefan Ștefan</b> Neuroștiințe Neuroștiințe Neuroștiințe
 <b>Elisabeta Ștefan</b> Cămin Neuroștiințe Neuroștiințe Psihologie Neuroștiințe	 <b>Ștefan Ștefan</b> Neuroștiințe Neuroștiințe Neuroștiințe		



### Despre noi

Noua componență, actuală, a Comitetului Director al RoSCoS, ales în cadrul Adunării Generale de Raport / Dars de seară și Alegere, în data de 16.01.2016

 <b>Florin Stoilici</b> Cămin Neuroștiințe Neuroștiințe	 <b>Vlad Cămin</b> Așchil Neuroștiințe Neuroștiințe Psihologie Neuroștiințe	 <b>Nicoleta Stoilici</b> Așchil Neuroștiințe Neuroștiințe Psihologie Neuroștiințe	 <b>Elisabeta Ștefan</b> Cămin Neuroștiințe Neuroștiințe Psihologie Neuroștiințe
 <b>Ștefan Ștefan</b> Neuroștiințe Neuroștiințe Neuroștiințe	 <b>Ștefan Ștefan</b> Neuroștiințe Neuroștiințe Neuroștiințe	 <b>Elisabeta Ștefan</b> Cămin Neuroștiințe Neuroștiințe Psihologie Neuroștiințe	 <b>Ștefan Ștefan</b> Neuroștiințe Neuroștiințe Neuroștiințe
 <b>Ștefan Ștefan</b> Neuroștiințe Neuroștiințe Neuroștiințe	 <b>Ștefan Ștefan</b> Neuroștiințe Neuroștiințe Neuroștiințe	 Proces Verbal al Adunării Generale RoSCoS, 2016	 Proces Verbal al Adunării Generale RoSCoS, 2016

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