

Life is Short, Art Long

18th European Congress of Physical & Rehabilitation Medicine

Science & Art in Physical & Rehabilitation Medicine

ESPRM-

IN COLLABORATION WITH

European Society of Physical & Rehabilitation Medicine

Hellenic Society of Physical & Rehabilitation Medicine

Thessaloniki • GREECE 28th May ~ 1st June 2012 www.esprm2012.eu

CONGRESS SECRETARIAT



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Welcome Letter

Dear colleagues,

On behalf of European Society of Physical & Rehabilitation Medicine as well as Hellenic Society of Physical & Rehabilitation Medicine as the hosting Society, we would like to welcome all guests and participants in the city of Thessaloniki.

Delegates not only from all European countries but also from all over the world have come together and will share their knowledge on Physical & Rehabilitation Medicine. We are confident that it is a high level scientific event due to the gathering of the most successful and renowned people in the field. Our 18th European Congress will be invaluable in illustrating and enhancing the fascination and value of our science in the broader public.

The scientific program covers all important and relevant topics and provides an extremely significant platform made by numerous sessions led by over a hundred and fifty (150) esteemed faculty members from all around the world, seminars and educational courses as well as six (6) well organized workshops, some of them covering unique themes for the first time during a European Congress.

Special thanks are expressed to the Scientific Committee as well as to the colleagues who have submitted more than 750 abstracts of papers for either oral or poster presentation.

You will see that besides a revealing scientific program you will have multiple occasions to participate in some exciting social events during the congress and visit the city of Thessaloniki with its cultural heritage.

Prof. Xanthi Michail M.D, PhD, SFEBPRM President of the Congress

Dr Alexandros Papadeas M.D, SFEBPRM Vice President of the Congress

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COMMITTEES

ECPRM 2012

Honorary President of the 18th European Congress: Andre Bardot

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Vice President

Xanthi Michail, President of ESPRM

Alexandros Papadeas

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Kyriaki Stathi

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COLLABORATING & PARTICIPATING SOCIETIES

AMERICAN ACADEMY OF PHYSICAL MEDICINE & REHABILITATION



EFIC (European Federation of IASP® Chapters)



EUROPEAN ACADEMY OF REHABILITATION MEDICINE



EUROPEAN BOARD OF PHYSICAL AND REHABILITATION MEDICINE



EUROPEAN SCHOOL MARSEILLE

ISCoS (International Spinal Cord Society)



ISPRM (INTERNATIONAL SOCIETY OF PHYSICAL AND REHABILITATION MEDICINE)



JORDANIAN SOCIETY OF PHYSICAL MEDICINE, ARTHRITIS & REHABILITATION

REHABILITATION INTERNATIONAL



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SOFMER



THE BALTIC & NORTH SEA FORUM FOR PHYSICAL AND REHABILITATION MEDICINE

UEMS SECTION OF PHYSICAL & REHABILITATION MEDICINE

HELLENIC SOCIETY FOR DISABLED CHILDREN (ELEPAP)



UNDER THE AUSPICES OF:

Ministry of Health and Social Solidarity



Municipality of Thessaloniki



Medical Association of Thessaloniki



ENDORSEMENTS

The 18th European Congress of Physical & Rehabilitation Medicine is endorsed by:

International Society of Physical and Rehabilitation Medicine (ISPRM)



ACCREDITATION

Accreditation points CME UnitsThe 18th European Congress of Physical & Rehabilitation Medicine was granted 21 European CME credits (ECMEC) by the European Accreditation Council for Continuing Medical Education (EACCME). EACCME credits are recognized by the American Medical Association towards the Physician's Recognition Award (PRA). To convert EACCME credit to AMA PRA category 1 credit, contact the AMA.

	WORKSHOP "ULTRASONOGRAPHY OF THE UPPER LIMB"
09:00-09:30	Musculoskeletal ultrasonography in P&RM Levent Ozcakar (Turkey)
09:30-10:00	Basic principles Martine de Muynck (Belgium)
10:00-10:30	Evaluation of the shoulder (demo) Martine de Muynck (Belgium)
10:30-11:00	Coffee break
11:00-12:00	Evaluation of the shoulder (practice)
12:00-13:30	Lunch break
13:30-14:00	Evaluation of the elbow (demo) Theodoros Loizidis (Hellas)
14:00-15:00	Evaluation of the elbow (practice)
15:00-15:30	Coffee break
13:00-13:30	College bleak
15:30-16:00	Evaluation of the wrist & hand (demo) Nikolaos Barotsis (Hellas)
16:00-17:00	Evaluation of the wrist & hand (practice)
17:00-17:30	Pathologies of the upper limb Levent Ozcakar (Turkey)
17 100	

OPENNING CEREMONY PROGRAM

Welcome Address by the President of the Congress Prof. Xanthi Michail (Hellas)

KEYNOTE LECTURE

Outpatient Musculoskeletal Rehabilitation practice in the United States Dr David Bagnall, MD, President of American Academy of PM&R

GREETINGS

Welcome Address by the President of UEMS PRM Section Prof. Nicolas Christodoulou (Cyprus)

18:00-20:30

Welcome Address by the President of European Board of PRM Prof. Jean Michel Viton (France)

<u>COMPLIMENTARY LECTURE</u> on the 20th Anniversary of European Board of PRM: "Emergence and development of the European Board of Physical and Rehabilitation Medicine"

Prof. André Bardot (France), Honorary President of the Congress

Welcome Address by the President of European Academy of Rehabilitation Medicine Prof. Guy Vanderstraeten (Belgium)

Welcome Address by the President of International Society of Physical & Rehabilitation Medicine Prof. Gerold Stucki (Switzerland)

Welcome Address by authoritative guests

COMMEMORATIVE LECTURE

Medical Travels around the Möbius strip
Prof. Jeffrey Levett, Management of Public Health (Hellas)

Official Opening of the Congress

Prof. André Bardot (France), Honorary President of the Congress

Hellenic Folk Dances by the Folk Group of TEFAA of Serres

	WORKSHOP "ULTRASONOGRAPHY OF THE SHOULDER"
09:00-09:30	Evaluation of the shoulder (demo) Levent Ozcakar (Turkey)
09:30-10:00	Normal shoulder (practice)
10:30-11:00	Coffee break
11:00-11:30	Shoulder pathologies - Part 1 (demo) Martine de Muynck (Belgium)
11:30-12:30	Shoulder pathologies (practice)
12:30-13:30	Lunch break
13:30-14:00	Shoulder pathologies - Part 2 (demo) Levent Ozcakar (Turkey)
14:00-15:00	Shoulder pathologies (practice)
15:00-15:30	Shoulder pathologies (lecture) Levent Ozcakar (Turkey)
15:30-16:00	Coffee break
16:00-16:30	US guided procedures (ESWT & injections) Martine de Muynck (Belgium)
16:30-17:00	Interventional US (practice)

ROUND TABLE OF EUROPEAN ACADEMY "Concepts of Disability"

Chair Guy Vanderstraeten (Belgium) Xanthi Michail (Hellas)

The concept of Disability in the World Report

Bengt Sjolund (Denmark)

08:30-10:00

How do you grow Rehabilitation Services in a low-income country?

Anne Chamberlain (UK)

Ethical issues of disability and rehabilitation as derived from the World Report on Disability

Christoph Gutenbrunner (Germany)

LECTURE Treating osteoarthritis with focus on exercise

10:00-10:30 Guy Vanderstraeten (Belgium)

10:30-11:00 Coffee break

ROUND TABLE OF SOCIETA ITALIANA DI MEDICINA FISICA E RIABILITATIVA - (S.I.M.F.E.R.) "Global Governance in Rehabilitation: the role of PRM"

Chair Vincenzo Maria Saraceni SIMFER President

onn En roomon

Francis Lemoine

President of the French Federation of PRM

Jacquist Policeian

Jacques Pelissier

SOFMER Past President

Welcome Xanthi Michail

ESPRM President (Hellas)

Introduction

Alessandro Giustini (Italy)

The Italian experience: from the guidelines of 1998 to the Rehabilitation Orientation National Plan 2011 David Antonio Fletzer (Italy)

The biopsychosocial model as a conceptual framework of the Rehabilitation Orientation National Plan Mauro Zampolini (Italy)

The rehabilitation network: from the hospital to the community rehabilitation

11:00-12:30 Domenico Uliano (Italy)

Analysis and comments from European point of view

Dan Wever (Netherlands) Carlotte Kiekens (Belgium) Alvydas Juocevicius (Latvia)

Disussion

Conclusions

Vincenzo Maria Saraceni (Italy) Francis Lemoine (France) Jacques Pelissier (France)

12:30-14:00	SATELLITE SYMPOSIUM sponsored by ALLERGAN Post-Stroke Spasticity: Action for the Long-Term Journey	
Chair	Prof Anthony B Ward Professor of Rehabilitation Medicine, Stoke-on-Trent, UK	
12:30	Post-stroke Spasticity – Are We Considering the Patient in the Long-Term? Prof Anthony B Ward Professor of Rehabilitation Medicine, Stoke-on-Trent, UK	
12:40	Standard of Care – What Should We Mean? Dr Franco Molteni Clinical Director, Costa Masnaga, Italy	
13:05	Goal-setting: Improving our Skills and Outcomes Prof Jörg Wissel Professor of Neurology, Beelitz-Heilstätten, Germany	
13:20	The BOTOX® (botulinum toxin type A) Trial: BOTOX® Economic Spasticity Trial (BEST) – Putting the Findings into Practice Prof Anthony B Ward Professor of Rehabilitation Medicine, Stoke-on-Trent, UK	
13:40	Taking Action for the Long-Term Journey Prof Anthony B Ward/All	
14:00	Close Prof Anthony B Ward	
ROUND TABLE: PUBLISHING ON PRM (part I)		

SATELLITE SYMPOSIUM sponsored by

ALLERGAN

Franco Franchignoni (Italy) Gunnar Grimby (Sweden) Chair

> How to become a successful researcher in PRM Henk Stam (Netherlands)

The structure of the different types of manuscripts 14:00-15:30 Gunnar Grimby (Sweden)

> Review process: how it is done and how to survive it Franco Franchignoni (Italy)

Coffee break 15:30-16:00

ROUND TABLE: PUBLISHING ON PRM (part II)

Chair Franco Franchignoni (Italy)
Gunnar Grimby (Sweden)

How to report on methodology in research papers

Ayse Kucukdeveci (Turkey)

16:00-17:30 How to use guidelines in publications

Stefano Negrini (Italy)

How to select a journal for your publication

Marta Imamura (Brazil)

CONGRESS AWARDS

EUROPEAN ACADEMY AWARDS

Guy Vanderstraeten (Belgium) Anne Chamberlain (UK)

Mechanisms and energetics in hemiplegic and spastic patients Gaetan Stoquart (Belgium)

On the Injuries of the Vertebrae and spinal marrow: prognostic factors and classifications Joost van Middendor (Netherlands)

TESC AWARDS

Henk Stam (Netherlands) Thierry Lejeune (Belgium) Enrique Varela (Spain)

17:30-19:00

EUROPEAN BOARD AWARDS

Andre Bardot (France) Franco Franchignoni (Italy)

SIMFER AWARDS

Vincenzo Maria Saraceni (Italy)

SPMFR AWARDS

Jorge Lains (Portugal)

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair Ali Otom (Jordan)

Christina-Annastasia Rapidi (Hellas)

LECTURE Neurogenic bladder in spinal cord injury

08:30-09:00 Sasa Moslavac (Croatia)

ORAL PRESENTATIONS
OP 01

Spinal cord infarct at the level of T6 in a 39Y female patient

Dionysios Tsintzas, Anna Pafyla, Ioanna Zografou, Giolanta Zika (Hellas)

Patients' view of neuropathic bladder management in spinal cord injury

Christina-Anastasia Rapidi, <u>Prokopios Manthos</u>, Aggeliki Stavrianou, Georgios Siamos, Stamatina Kaligerou, Efthymios Petsepes, Georgios Neochoritis, Maria Mermikli, Konstantina Petropoulou (Hellas)

09:00-10:00

The effect of time post-injury in neuropathic bowel and bladder dysfunction of patients with chronic spinal cord injury

Christina-Anastasia Rapidi, <u>Aggeliki Stavrianou</u>, <u>Prokopios Manthos</u>, <u>Georgios Siamos</u>, <u>Stamatina</u> Kaligerou, <u>Efthymios Petsepes</u>, <u>Georgios Neochoritis</u>, <u>Maria Mermikli</u>, <u>Konstantina Petropoulou</u> (Hellas)

Epidemiology and long-term outcome of concomitant traumatic brain and spinal cord injury Lazaros Athanasiadis, Poornashree Ramamurthy, Siddeshwar Patil, Naveen Kumar (UK)

Access to work-related medical rehabilitation: procedures for target group identification and referral Betie Schwarz, Matthias Bethge, Stefan Löffler, Heiner Vogel, Silke Neuderth, Monika Schwarze (Germany)

Dismetry of the lower limbs: klippel - Trenaunay syndrome in a 15-year-old-boy. case report Pedro Ferraz-Gameiro, João Páscoa Pinheiro (Portugal)

LECTURE Respiratory consequences of spinal cord injury

10:00-10:30 Piotr Tederko (Poland)

10:30-11:00 Coffee break

ROUND TABLE OF INTERNATIONAL SPINAL CORD SOCIETY (ISCOS)

Chair Fin Biering-Sorensen (Denmark) Konstantina Petropoulou (Hellas)

International Spinal Cord Injury Data Sets

Fin Biering-Sorensen (Denmark)

11:00-12:30 Problems of fragmentation of the management of SCI patient

Angela Mc Namara (Ireland)

Male and Female sexuality of individuals with SCI

Brigitte Perrouin-Verbe (France)

12:30-14:00 Lunch break

ROUND TABLE: ART & DISABILITY

Chair Jean-Pierre Didier (France)

Konstantina Petropoulou (Hellas)

Upper Limb Disorders in musicians. Task specific Focal Dystonia. Diagnosis and treatment

Konstantina Petropoulou (Hellas)

Prokopios Manthos (Hellas)

14:00-15:30

Is a movie able to give a good image of a disabled person?

Jean-Pierre Didier (France)

Projecting disability on painting

Soultana Tatsidou (Hellas)

15:30-16:00 Coffee break

ROUND TABLE OF HELLENIC SOCIETY OF PHYSICAL & REHABILITATION MEDICINE "Autonomic Dysreflexia"

Chair Coorgo Trango (Uslua)

George Tzanos (Hellas)

Coordinator Christina-Anastasia Rapidi (Hellas)

Pathophysiology, clinical features & differential diagnosis of AD

Marianna Fragkaki (Hellas)

Management of AD in acute and chronic phase of SCI

Athanasios Kyriakides (Hellas)

16:00-17:30

Complications of untreated AD. The importance of education in prevention and prompt

treatment of AD

Lampros Papoulias (Hellas)

Autonomic Dysreflexia Alert Card: a necessity for patients with SCI

Christina-Anastasia Rapidi (Hellas)

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair

Nicolas Christodoulou (Cyprus) Marta Imamura (Brazil)

DEBATE

"Walking on the route for European Guidelines"

Developing the European Guidelines on PRM: Strategy and Methodology

Pedro Cantista (Portugal), Mauro Zampolini (Italy)

08:30-09:30

Stroke Rehabilitation: a first example to built guidelines and pathways in Europe Mauro Zampolini (Italy), Pedro Cantista (Portugal)

Discussion /Debate

ORAL PRESENTATIONS OP 02

Impact of rehabilitation intervention on fatigue, endurance and physical function in patients with fibromyalgia: A case - control study

Erika Giannotti, Konstantinos Koutsikos, Maurizia Pigato, Andrea Doria, Stefano Masiero, Claudio Ferraro (Italy)

09:30-10:00

Physical medicine and rehabilitation as an efficient treatment of Ehlers-Danlos Syndrome (EDS) type 3

Claude Hamonet (France)

Comparison of the efficacy of local corticosteroid injection and physical therapy on pain severity, joint range of motion and muscle strength in patients with shoulder impingement syndrome Ali Yeganeh, Mahsa Abdollah, Morteza Nakhaei, Hoseine Farahini, Shadi Ghourchian (Iran)

LECTURE 10:00-10:30

Muscle pain syndrom: diagnosis and treatment with emphasis on new fibromyalgia criteria

Martin Grabois (USA)

10:30:11:00

Coffee break

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair

Guy Vanderstraeten (Belgium) Kyriaki Stathi (Hellas)

LECTURE

What is new in physical therapy and rehabilitation for neuromuscular diseases

11:00-11:30 *Andre Thevenon (France)*

ORAL PRESENTATIONS OP 04

11:30-12:30

A leap forward- neurofeedback enhances human performance

Sathiyaseelan Ganesan, Manivannan Subramanian (India)

Intra-rater test-retest reliability of the six minute walk test in subjects with post-polio syndrome Katarina Skough, Lisbet Broman, Kristian Borg (Sweden) IVIG treatment in post-polio patients, quality of life before and after 6-month - identifying treatment parameters

Gunilla Östlund, Lisbet Broman, Lars Werhagen, Kristian Borg (Sweden)

Patient reported outcome in slowly muscular dystrophy diseases: Qualitative and quantitative generation of items of the QOL-NMD

<u>François Constant Boyer</u>, Christian Reveillere, Amandine Rapin, Arnaud Calmus, Aurélie Flucher, Vincent Tiffreau, Isabelle Richard, Jean Benoit Hardouin, Guillaume Bassez, Moustapha Drame, Isabella Morrone, Coralie Barbe, Aurore Wolak, Jean-Luc Novella, Damien Jolly (France)

Compliance and effects of a hand-training programme in persons with myotonic dystrophy type 1 (DM1) -a randomized and controlled pilot study

<u>Anna Aldehaq</u>, Hans Jonsson, Jan Lindblad, Ander<mark>s Ko</mark>ttorp, Mar<mark>ie Kierk</mark>egaard, Tor Ansved (Sweden)

Strength training and aerobic reconditioning in slowly muscular diseases: a systematic review Amandine Rapin, Laëtitia Percebois-Macadré, Julie Nicomette, Auriane Etossé, Cyprien Monseau, François-Constant Boyer (France)

12:30-14:00

Lunch break

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair Jorge Lains (Portugal)
Gabor Fazekas (Hungary)

LECTURE

Muscle activity and proprioception after anterior cruciate ligament injury

14:00-14:30 Joao-Pascoa Pinheiro (Portugal)

ORAL PRESENTATIONS OP 06

Review of results of the rehabilitation programm for reversed shoulder prosthesis (RSP) <u>Griselda Sirvent</u>, Maria Luisa Catasús, Ferran Nacenta, Joan Armengol, Mariana Marcos (Spain)

Rehabilitation problems after anterior cruciate ligament reconstruction

Ilias Bisbinas, Stamatios Symeonidis, <u>Ioannis Theodoroudis</u>, Theodoros Mihail, Dimitrios Georgianos, Matthaios Savvidis, Georgios Gouvas (Hellas)

Investigation of neuromuscular impairment of fifty-two patients after ACL reconstructions Saeed Fayaz (UK)

14:30-15:00

New directions for posttraumatic orthopedic recovery in Europe. Advanced technologies combined with natural climate factors

Ioan Sorin Stratulat, Wilhelm Friedl (Romania)

Allograft or autograft in ACL reconstruction: impact on the regaining pre-injury sport activity

Emiliana Bizzarini, <u>Leo Iona</u>, Rachele Menosso, Chiara Moschioni, Marika Polo, Carlo Tolazzi, Elvezia

Deotto, Aldo Iengo, Agostino Zampa (Italy)

The Amadeo system in complex rehabilitation of post-traumatic stiffness of the hand <u>Evgenia Tsvetkova</u>, Konstantin Lyadov, Tatiana Shapovalenko (Russia)

15:30-16:00

Coffee break

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair Bengt Sjolund (Denmark)
Liisamari Kruger (Finland)

LECTURE Complex regional pain syndrome: diagnosis and treatment

16:00-16:30 Martin Grabois (USA)

ORAL PRESENTATIONS OP 09

Comparison of scapular rotational movements measures of acromion marker cluster between patients with shoulder impingement syndrome and healthy ones during humeral elevation in scapular plane

Roshanak Keshavarz, <mark>Hassan Shakeri, Amir M</mark>assoud Arab, Farhad Tabatabai, <u>Kamran Ezzati,</u> Noureddin Karimi(Iran)

Gait characteristics and muscle strength in total knee arthroplasty patients with patellofemoral pain syndrome before and six months after surgery

Helena Gapeyeva, Jaan Ereline, Tiit Haviko, Herje Aibast, Aare Märtson, Mati Pääsuke(Estonia)

Improvements in pain, balance and physical performance in patients with knee osteoarthritis treated with repeated muscle vibration therapy: a double blind randomized placebo controlled trial

16:30-17:30

Emanuele Marzetti, Alessia Rabini, Gianpaolo Ronconi, Alessandro Specchia, Eugenia Amabile, Loredana Maggi, Paola Emilia Ferrara, Stefano Di Girolamo, Guido Maria Filippi, Vincenzo Maria Saraceni, Carlo Bertolini, Diana Barbara Piazzini (Italy)

Interdependence between quality of life, clinical and isokinetic results in knee osteoarthritis patients with joint replacement indication

<u>Ileana Monica Borda</u>, Ioan Onac, Laszlo Irsay, Rodica Ungur, Viorela Ciortea, Liviu Pop (Romania)

Audiovisual stimulation in complex treatment chronic back pain

<u>Nino Sichinava</u>, Fedor Gorbunov, Alexandr Strelnikov, Margarita Nuvakhova (Russia)

Efficacy of lumbar mesotherapy in the treatment of low back pain: a perspective study Cristina Ciotti, Calogero Foti (Italy)

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair David Antonio Fletzer (Italy)
Domenico Uliano (Italy)

LECTURE Rehabilitation technology 08:30-09:00 Alessandro Giustini (Italy)

ORAL PRESENTATIONS OP 03

Robotic quantification of loss of independent joint control in patients with mild acute stroke

<u>Anke Ida Roza Kottin</u>, Michael David Ellis, Gerdienke Berendina Prange, Johan Swanik Rietman, Jacob

Hilbert Buurke, Julius Paulus Antonius Dewald (USA, The Netherlands)

Support to upper limb movement execution by rfid based sensory clues Maria Bulgheroni, Enrico d'Amico, Franco Molteni (Italy)

A robotic device as a sensitive quantitative tool to assess upper limb impairments in stroke patients: a preliminary prospective cohort study

09:00-10:00 <u>Gaëtan Stoquart</u>, Maxime Gilliaux, Thierry Lejeune, Christine Detrembleur, Julien Sapin, Bruno Dehez (Belgium)

Effects of increased motivation by integration of video games in the rehabilitation of stroke patients

Miloš Kostić, Petar Kovačević, Maša Popović, Laszlo Schwirtlih (Serbia)

Effectiveness of Toyra® virtual reality system: a pilot randomized clinical trial in patients with spinal cord injury

Angel Gil-Agudo , <u>Manuel Bayón-Calatayud</u>, Iris Dimbwadyo-Terrer, Benito Peñasco-Martin, Ana de los Reyes-Guzmán, Alberto Bernal-Sahún, Patricia López-Monteagudo (Spain)

Hemodynamic responses in chronic spinal cord injured patients after cycling walking in robotic ortosis LOKOMAT $^{\circ}$

Marina Makarova, Konstantin Lyadov, Tatiana Shapovalenko (Russia)

LECTURE Outcome measures in clinical trials in the field of the upper limb rehabilitation robots
10:00-10:30 Gabor Fazekas (Hungary)

10:30-11:00 Coffee break

ROUND TABLE ON GERIATRICS

Chair Jan Ekholm (Sweden) Elena Ilieva (Bulgaria)

Biomechanical properties of aging cartilage and osteoarthritis Sehim Kutlay (Turkey)

11:00-12:30 Sarcopenia
Michael Quittan (Austria)

Exercise in old age concerning prevention of falls and osteoporosis Nicolas Christodoulou (Cyprus)

12:30-14:00 Lunch break

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair

Christoph Gutenbrunner (Germany) Zoi Dalivigka (Hellas)

LECTURE

Stiff knee gait among stroke patients: physiopathology, assessment and treatment

14:00-14:30 Thierry Lejeune (Belgium)

ORAL PRESENTATIONS OP 07

The effect of an arm support device on upper limb capacity in sub-acute stroke: a randomized controlled trial

<u>Johan Swanik Rietman, Anke Ida Roza Kottink, Gerdienke Berendina Prange, Jacob Hilbert Buurke</u> (The Netherlands)

Design motion tracking games using ms kinect for stroke rehabilitation <u>Ioannis Altanis</u>, Andiana Prentza, Michalis Boloudakis, Symeon Retalis (Hellas)

Study of pattern alteration of balance in patients with acute stroke <u>Modesto Alcanyis-Alberola</u>, Azucena Blasco-Martínez, Enrique Viosca (Spain)

14:30-15:30

Effects of guided self-rehabilitation contracts together with repeated botulinum neurotoxin injections on walking speed in chronic hemipare sis. A prospective open-label study Salem Alkandari, Ranim Chahrour, Maitha Alkandari, Nicolas Bayle, Leila Tlili, Caroline Colas, Catherine-Marie Loche, Jean-Michel Gracies (France)

ACTIVLIM-stroke: a cross-cultural Rasch-built scale of activity limitations in stroke patients Charles Sèbiyo Batcho, Alan Tennant, Jean-Louis Thonnard (Belgium, UK)

15:30-16:00 Coffee break

ROUND TABLE ON STROKE

Chair

Andre Thevenon (France)
Jean-Pierre Didier (France)

Neuroplasticity Modulation and Circuit Retraining in Stroke Rehabilitation 2012

Nachum Soroker (Israel)

16:00-17:30

Clinical report of action-observation in upper limb stroke rehabilitation: a role of left cortical area of brain

Marco Franceschini (Italy)

The Evidences of Transcortical Magnetic Stimulation on Stroke Rehabilitation Jorge Lains (Portugal)

ESPRM TESC COMMITTEE

Chair Henk Stam (Netherlands)
Thierry Lejeune (Belgium)
Enrique Varela (Spain)

Pattern Alteration Study of Balance in acute stroke patients Modesto Alcanyis-Alberola (Spain)

Efficacy of the selective neurotomy in the treatment of the spastic equinovarus foot among adult stroke patients following the ICF model. A randomized, single-blind, controlled trial Benjamin Bollens (Belgium)

OA Pilot- Dynamometric benefit after 3 months of GS & CS supplement only Sebastian Edtinger (Austria)

Impact of finger amputation and influence of silicone prosthesis for amputation of one or more 08:30-10:30 fingers of hand on hand function and grip force

Zala Kuret (Slovenia)

Peroneus quartus muscle and functional ankle instability Guillaum Lotito (France)

Ultrastructural Evaluation of the Effect of Pulse Electromagnetic Field on Chondroblasts Derived from Synovial Fluid Mesenchymal Stem Cells

Erkan Ozguciu (Turkey)

Effects of Chêneau brace on the postural balance of adolescents with idiopathic scoliosis: a pilot study *Teresa Paolucci (Italy)*

Sensibility of the stump in adults with an acquired upper extremity amputation Willemijn van Gils (Netherlands)

10:30-11:00 Coffee break

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair Aydan Oral (Turkey)
Soultana Tatsidou (Hellas)

LECTURE The success of physical therapy procedures (interminent negative pressure) at patients with lymphoedema 11:00-11:30 Gordana Devecerski (Serbia)

ORAL PRESENTATIONS OP 05

11:30-12:30 The effect of aerobic training on dynamic balance in healthy elderly females

Mohammad Rahimi, Reza Rajabi, Mohammad Hosaine Alizadeh, Mohammad Usefi, Hashem Piri

The relationship between mental health and progress to oral feeding in elderly people with dysphagia Katerina Sdravou, Sofia Arampatzi, Marina Papadopoulou, <u>Sonia Tsipi</u>, Georgia Bousiou, Aikaterini Ntalou, Eleni Zouzia, Theodoros Loizidis (Hellas)

Department for acute geriatric and remobilisation under the direction of a specialist of physical medicine and rehabilitation

Christian Angleitner, Peter Heise, Peter Golmayer, Stefan Traussnigg, Inge Reiter (Austria)

Grip strength and isometric lumbar extensor strength in the elderly

<u>Thomas Kienbacher</u>, Gerold Ebenbichler, Richard Habenicht, Birgit Paul, Christian Starek, Markus Wolf, Josef Kollmitzer (Austria)

Pre-fracture functional status is better than cognitive level in predicting short-term outcome of elderly hip fracture patients?

<u>Emilija Dubljanin-Raspopovic</u>, Sanja Tomanovic Vujadinovic, Una Nedeljkovic, Nevena Krstic, Mirko Grajic (Serbia)

The rehabilitative approach to the muscular recovery of sarcopenic elderly: comparison between different experimental models of strength increase

Raoul Saggini, Rosa Grazia Bellomo, Laura Di Pancrazio, Pierpaolo Iodice (Italy)

12:30-14:00 Lunch break

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair Roberto Casale (Italy)
Sasa Moslavac (Croatia)

LECTURE PRM and people with chronic pain

14:00-14:30 Liisamari Kruger (Finland)

ORAL PRESENTATIONS OP 08

Physical therapy can improve quality of life in patients with low back pain Nerimane Abazi, Ardiana Murtezani (Kosovo)

Treatment of non-specific Chronic Low Back Pain (CLBP) through the Perceptive Surfaces (Su-Per)

<u>Mario Vetrano</u>, Sanaz Pournajaf, Maria Chiara Vulpian, Teresa Paolucci, Ennio Spadini, Andrea Ferretti,
Vincenzo Maria Saraceni(Italy)

Prevalence of shoulder pain after implantation of cardiac electronic devices and effectiveness of preventive strategies

Sandra Magalhães, Joana Reis, Sofia Toste, Ana Barreira, Ricardo Soares, Sofia Gonçalves (Portugal)

14:30-15:30

Extracorporeal Shock Wave therapy (ESWT) treatment of chronic pain syndrome Natalia Udodova, Konstantin Lyadov, Tatiana Shapovalenko, Evgenia Tsvetkova (Russia)

Tortured refugee's expectations on a multidisciplinary rehabilitation program – a qualitative study

Gunvor Gard, Ann L Persson (Sweden, Denmark)

Ultrastructural evaluation of the effect of pulse electromagnetic field on chondroblasts derived from synovial fluid mesenchymal stem cells

<u>Erkan Özgüçlü</u>, <mark>Zafer Hasçelik, Alp Çetin, Duygu Uçkan Çetinkaya, Figen Kaymaz, Ahmet Atay, Emine Kılıç (Turkey)</mark>

15:30-16:00 **Coffee break**

SEMINAR

Implementing WRD in a National Setting

Chair

Konstandina Kotsifi (Hellas) Alain Delarque (France)

Welcome and Brief Opening

Xanthi Michail (Hellas) Guy Vanderstraeten (Belgium)

Introduction: the European "vision" about WRD : brief summary of opinions and suggestions from the Countries

Alessandro Giustini (Italy)

16:00-17:30

WRD contents towards European PRM activities and documents
Nicolas Christodoulou (Cyprus)

Results from Sao Paulo February ISPRM World Meeting on WRD implementation strategy Christoph Gutenbrunner (Germany)

Working Plan of WRD World Committee Eleftheria Antoniadou (Hellas)

30' Presentation from Countries *Discussion and conclusions*

14:00-14:20 PART1: THEORY Normal Gait Cycle Nikolaos Roussos (Hellas) 14:20-14:40 Basic Principles of Gait Analysis Alexandros Papadeas (Hellas) 14:40-15:00 Indications for podobarography Eleftheria Antoniadou (Hellas) PART2: PRACTICAL & TECHNICAL ISSUES (DEMONSTRATIONS) Podobarography - Technical Issues Wireless Podobarography - Modern Gait Control Systems Gabriele Casadio (Italy) 5:30-16:00 Coffee break PART3: ANALYSIS Podobarography data analysis and Central Kinetic Control assessment Panagiotis Tsaklis (Hellas) 16:15-16:20 Medical Reporting Alexandros Papadeas (Hellas) Prescription of insoles, physiotherapy and other procedures Nikolaos Roussos (Hellas) 16:35-17:30 HANDS-ON PRACTICE		WORKSHOP Podobarography (Pelma analysis)
14:20-14:40 Alexandros Papadeas (Hellas) 14:40-15:00 Indications for podobarography Eleftheria Antoniadou (Hellas) PART2: PRACTICAL & TECHNICAL ISSUES (DEMONSTRATIONS) Podobarography - Technical Issues Wireless Podobarography - Modern Gait Control Systems Gabriele Casadio (Italy) 15:30-16:00 Coffee break PART3: ANALYSIS Podobarography data analysis and Central Kinetic Control assessment Panagiotis Tsaklis (Hellas) 16:15-16:20 Medical Reporting Alexandros Papadeas (Hellas) Prescription of insoles, physiotherapy and other procedures Nikolaos Roussos (Hellas)	14:00-14:20	Normal Gait Cycle
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16:15-16:20 Alexandros Papadeas (Hellas) Prescription of insoles, physiotherapy and other procedures Nikolaos Roussos (Hellas)	16:00-16:15	Podobarography data analysis and Central Kinetic Control assessment
Nikolaos Roussos (Hellas)	16:15-16:20	
16:35-17:30 HANDS-ON PRACTICE	16:20-16:30	
	16:35-17:30	HANDS-ON PRACTICE
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ROUND TABLE OF SOCIÉTÉ FRANÇAISE DE MÉDECINE PHYSIQUE ET DE RÉADAPTATION

Chair Alain Yelnic (France)

Moderators

Alain Delargue (France) Francois Boyer (France)

Rehabilitation strategies for visual neglect

Gilles Rode (France)

Rehabilitation for aphasic patients

Pierre-Alain Joseph (France)

Management of neuro behavioral sequelæ after traumatic brain injury (TBI); French advices

Jean-Francois Mathe (France)

08:30-10:00

The shaken baby syndrome (SBS):Diagnosis of shaking

Anne Laurent-Vannier (France)

Transition for young children with motor disability: from paediatric to the adult environement, medical services and social medical challenges

Vincent Gautheron (France)

Ambulatory care network for brain injured patients

Francis Lemoine (France)

Organizing research in rehabilitation after stroke

Jacques Pelissier (France)

LECTURE 10:00-10:30 Physical and rehabilitation medicine (PRM) care pathways: "stroke patients"

Alain Yelnik (France)

10:30-11:00

Coffee break

ROUND TABLE OF UEMS - EUROPEAN BOARD OF PHYSICAL & REHABILITATION MEDICINE

Andre Bardot (France)

Chair Rolf Frischknecht (Switzerland)

Franco Franchignoni (Italy)

Educational resources offered by the UEMS Board of Physical and Rehabilitation Medicine under the World Action Plan for Initial Education in Physical and Rehabilitation Medicine (WAPIE PRM)

Rolf Frischknecht (Switzerland), Jean-Michel Viton (France)

11:00-12:30

Certification for medical specialists, trainers and training sites in the field of Physical and Rehabilitation Medicine run by the UEMS Board of Physical and Rehabilitation Medicine

Nikolaos Barotsis (Hellas)

Towards harmonization of training and assessment of medical specialists in Physical and Rehabilitation Medicine across Europe - The role of the UEMS Board of Physical and Rehabilitation Medicine

Rolf Frischknecht (Switzerland)

12:30-13:00

Lunch break

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10.00.17.00	SATELLITE SYMPOSIUM sponsored by MERZ)
13:00-14:30	Optimizing of botulinum toxin treatment in patiens with sp	asticity

Jorg Wissel (Germany) Chair

Stuart Yablon (Canada)

Current use of botulinum toxin in daily practice: interim analysis of SPACE, a non-interventional study

Julian Harriss (UK)

Discussion: Is there a need for high total doses of botulinum toxin?

Moderator Stuart Yablon (Canada)

> Preclinical aspects Klaus Fink (Germany)

Clinical evidence base for dosing strategies with botulinum toxin

Stuart Yablon (Canada)

TOWER: A XEOMIN high dose trial

Jorg Wissel (Germany)

Case study

Maurizio Osio (Italy)

Discussion & Close

ROUND TABLE OF UEMS - PROFESSIONAL PRACTICE COMMITTEE

Nicolas Christodoulou (Cyprus) Chair Mihai Berteanu (Romania)

Role of PRM in Acute Settings

Athony Ward (UK)

Role of PRM in Post Acute Settings 14:30-16:00

Alain Delargue (France)

Role of PRM regarding patients with musculoskeletal peri-operative problems

Enrique Varela-Donoso (Spain)

Discussion

16:00-16:30 Coffee break

ROUND TABLE OF UEMS - CLINICAL AFFAIRS COMMITTEE "Quality and Programmes of Care in PRM"

Georges de Korvin (France) Chair Alain Delarque (France)

> Accreditation of PRM programmes of care organized by the UEMS PRM Section - CAC Georges de Korvin (France)

Two ambulatory Physical and Rehabilitation Medicine Programs of Care (PRM-PC) for traumatic brain injured persons (TBI) in the community

Alain Delarque (France)

16:30-18:00

MYOTEL: a teletreatment for chronic neck pain

Daniel Wever (Netherlands)

Computerised gait analysis in decision making and rehabilitation planning for children with cerebral palsy; quality component of a PRM programme

Hermina Damjan (Slovenia)

LECTURE Current situation of balneology in Europe 18:00-18:30 Pedro Cantista (Portugal) 20:00 **GALA DINNER (optional)**

ROUND TABLE OF BALTIC & NORTH SEA FORUM

"Work participation in chronic disease and after injury"

Chair

Alvydas Juocevicius (Lithuania) Kristina Schuldt-Ekholm (Sweden)

Factors influencing the rehabilitation process back to work

Jan Ekholm (Sweden)

Aspects of back-to-work in traumatic brain injury

Kristian Borg (Sweden)

08:30-10:00

The influence of multidisciplinary rehabilitation programme on functional status and return-towork in patients with disc-related lumbosacral radiculopathy

Svetlana Lenickiene (Lithuania)

Screening and assessment of need for rehabilitation to prevent early retirement

Matthias Bethge (Germany)

Christoph Gutenbrunner (Germany)

Discussion

LECTURE Post-polio rehabilitation: Role of immune modulation

10:00-10:30 Kristian Borg (Sweden)

10:30-11:00 Coffee break

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair

Avi Ohry (Israel) Aivars Vetra (Latvia)

LECTURE 11:00-12:00

Neck pain and related disorders Guy Vanderstraeten (Belgium)

ORAL PRESENTATIONS
OP 11

The role of complementary and alternative medicine therapies in physical medicine and rehabilitation

Aleksandras Krisciunas (Lithuania)

12:00-12:30

Increased risk of segmental instability following lumbar disc herniation operation

Gerold Ebenbichler, Gabriele Amtmann, Silke Inschlag, Tatjana Jovanovic, Melanie Schernthaner, Franz

Kainberger (Austria)

Aging and proprioceptive deficit

Miguel Costa, Fernando Monteiro, Rui Sales, Carlos Machado (Portugal)

12:30-14:30 Lunch break

ROUND TABLE ON AMPUTATIONS & PROSTHETICS

Chair Crt Marincek (Slovenia)
Yvette Koleva (Bulgaria)

Moderator Crt Marincek (Slovenia)

Lower Extremity Amputation and Prosthetics

Crt Marincek (Slovenia)

14:30-16:00 Rehabilitation of persons following upper limb amputation

Helena Burger (Slovenia)

Interference of the phantom limb pain in the rehabilitation of the lower limb amputation

Roberto Casale (Italy)

16:00-16:30 Coffee break

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair Calogero Foti (Italy)
Martine de Muynck (Belgium)

LECTURE Marketing and management of medical rehabilitation centres in Greece: framing the real issues

16:30-17:00 Maria Pyrgeli (Hellas)

ORAL PRESENTATIONS OP 15

Health network for the management of brain-damaged patients

Francis Le Moine, Claude Desnuelle, Arnaud Bertaux (France)

17:00-17:30

Presentation preliminary results and conclusions from the three year pilot operation of the neuropsychological brain injury day treatment program of ELEPAP in Greece

Christalena Kattami, Anzela Saleptsi, Korina Varotsi (Hellas)

LECTURE Spasticity or reversible hypertonia in upper motor neuron syndrome: from functional diagnosis to treatment 17:30-18:00 Franco Molteni (Italy)

ORAL PRESENTATIONS OP 18

Analysis of control, coordination and balance through the application of differentiated programs of rehabilitation in post stroke patients

Gilda Mologhianu, Marius Ivascu, Catalin Moghioroiu, Pierre de Hillerin, Vlad Valeanu, Andreia Murgu, Florina Ojoga, Adriana Sarah Nica (Romania)

18:00-18:30 Foot and ankle neuromuscular impairments and functional consequences after stroke Saeed Forghany, Sarah Tyson, Christopher Nester, Stephen Preece (U.K., Iran)

Differences in muscle activation patterns when assisted by a cane and walkaround in sub-acute stroke patients

Nadica Miljković, Aleksandra Dragin, Ivana Milovanović, <u>Laszlo Schwirtlich</u> (Serbia)

20:00 GALA DINNER (optional)

ROUND TABLE OF EURO-MUSCULUS GROUP European Musculoskeletal Ultrasound Study Group

Chair Guy Vanderstraeten (Belgium)

Alexandros Papadeas (Hellas)

Moderator Martine de Muynck (Belgium)

Musculoskeletal Ultrasound in PRM: What have we reached and where to go

Martine de Muynck (Belgium)

08:30-10:00 EURO-MUSCULUS: A must-stop for musculoskeletal ultrasound training in PRM

Levent Ozcakar (Turkey)

The applicability of musculoskeletal ultrasound in daily PRM practice: courage and questions

Nikolaos Barotsis (Hellas)

LECTURE Post stroke pain syndromes

10:00-10:30 Martin Grabois (USA)

10:30-11:00 Coffee break

JOINT ROUND TABLE OF ESPRM-R I

Disability, Rehabilitation and Inclusion: a joint route?

Chair Alessandro Giustini (Italy)
Xanthi Michail (Hellas)

The paradigm-shift from vocational rehabilitation to "return-to-work" strategies in Europe Friedrich Mehrhoff (Germany)

Best practice model of collaboration between medical and vocational experts in rehabilitation Veronica Fialka-Moser (Austria)

11:00-12:30

Work inclusion laws and initiatives for people with disabilities- the current situation in Greece Christalena Kattami (Hellas)

Future perspectives in rehabilitation in Europe and collaboration among ESPRM and RI Europe: Open discussion

Alessandro Giustini (Italy) Jan Mons<mark>bak</mark>ken (Norway) Marianna Moschou (Hellas) Christophe Gutenbrunner (Germany)

12:30-14:30 Lunch break

SEMINAR

"ICF-based Description and Measurement of Functioning"

Trainers/ Pavel Ptyushkin (Switzerland)
Speakers Monika Finger (Switzerland)

From the ICF Research Branch in cooperation with the WHO FIC CC in Germany (DIMDI) and the

14:30-16:00 Swiss Paraplegic Research, Nottwil, Switzerland

A seminar and invitation for collaboration

16:00-16:30 Coffee break

SEMINAR (continued)

From the ICF Research Branch in cooperation with the WHO FIC CC in Germany (DIMDI) and the

16:30-18:00 Swiss Paraplegic Research, Nottwil, Switzerland

A seminar and invitation for collaboration

Chair Pavel Ptyushkin (Switzerland) Monika Finger (Switzerland)

LECTURE Application of ICF in Bulgarian rehabilitation practice: from the introduction of ICF in the education

to the functional evaluation of the patient

18:00-18:30 *Yvette Koleva (Bulgaria)*

20:00 GALA DINNER (optional)

SEMINAR ON SCOLIOSIS

Chair Marianthi Tzara (Hellas)

Trainer/ Speaker

Stefano Negrini (Italy)

a. International SOSORT Guidelines on Idiopathic Scoliosis Rehabilitation and Orthopaedic Treatment

08:30-10:30 b. Scoliosis patient evaluation

c. Treatment through bracing: how and when

10:30-11:00 Coffee break

d. Exercises: which role

11:00-12:30 e. Team approach to the patient

f. Questions and answers

12:30-14:30 Lunch break

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair Pierre-Alain Joseph (France) Kyriaki Stathi (Hellas)

LECTURE Functional imaging in unilateral spatial neglect: novel insight on the mechanisms underlying

recovery and how to manipulate them in rehabilitation practice

14:30-15:00 Nachum Soroker (Israel)

ORAL PRESENTATIONS OP 13

> Effect of sensory retraining on recovery of hand dexterity in stroke patients: a singlesystem design

Mahnaz Hejazi, Mahdieh Seyedi, Akram Azad, Ghorban Taghizadeh (Iran)

Incidence and risk factors for hemorrhagic stroke Gordana Devečerski. Dušica Simić (Serbia)

Stroke rehabilitation. Time of recovery

<u>Leo Iona</u>, Emiliana Bizzarrini, Elena Bocin, Elvezia Deotto, Maria Cristina Dominutti, Laura Filipig, Federica Lipanje, Silva Polentarutti, Agostino Zampa (Italy)

15:00-16:00

The effect of reduced knowledge of results frequency on grip force control in individuals post stroke

Mojgan Rahmatipour, Fateme Esfandiarpour, Minoo Khalkhali Zavieh (Iran)

Advanced hand rehabilitation based on virtual functional task training and augmented biofeedback: a two-year experience in a greek rehabilitation center <u>Aikaterini Saramourtsi</u>, Evangelia Katsoupa, Dimitra Malakou (Hellas)

Chronic widespread pain and neck/back pain: comparison of somatosensory symptom profile, pain specific fear and acceptance of chronic pain

Helena Jamnik, Majda Mramor (Slovenia)

16:00-16:30 **Coffee break**

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Christopher Plastaras (USA) Chair Nachum Soroker (Israel)

LECTURE From γνῶθι σεαυτόν [Know Thyself'], through τὰ πάντα ῥεῖ καὶ οὐδὲν μένει (Tà pánta rheî kaì oudèn

ménei. "Everything flows, nothing stands still.") to Cura te ipsum ("Take care of your own self!"): my

16:30-17:00 lesson of the year (a personal rehab. experience...)

Avi Ohry (Israel)

ORAL PRESENTATIONS OP 16

Nutritional risk screening at admission to a rehabilitation clinic

Nataša Puzić, Nika Goljar (Slovenia)

Patient satisfaction with goal planning process in a rehabilitation unit 17:00-17:30

Fahim Anwar, Farah Alhafid, Breeda Cullen, Alastair Weir (U.K.)

Cartography of risks in PRM

Michel Enjalbert, Frédéric Rossband, Jean-Michel Gascou (France)

LECTURE Biopsychosocial approach to treating chronic pain

17:30-18:00 Steven Stanos (USA)

ORAL PRESENTATIONS OP 19

Autonomic changes in fibromyalgia: clinical and electrophysiological study

Noha El-Sawy, Gihan El-Tantawi, Ghada Osman, <u>Hussein Sultan</u>, Safaa Younis (Egypt)

Therapeutic attitude in pain clinic 18:00-18:30

António Cunha, Joana Santos, Filipe Antunes (Portugal)

Pain and quality of life in failed back surgery syndrome

Ana Matias, Filipe Antunes (Portugal)

20:00 **GALA DINNER (optional)**

WORKSHOP

Extracorporeal Shock Wave Therapy (ESWT): "Theory & Practice"

Luc Vanden Bossche MD, PhD

Physical and Rehabilitation Medicine, Sports medicine, Ghent University Hospital, Belgium

Mrs Angela Menzer

Int. Marketing & Sales Management, Storz Medical A.G., Switzerland

Trainers Dr Efthimios Kouloulas, MD

Fellow of the European Board of PRM, Medical Director "Apollonius" Rehabilitation Centre, Larissa, Hellas

Dr Asterios Papanikolaou, MD

Fellow of the European Board of PRM, Certified Trainer for all STORZMEDICAL ESWT Devices,

Thessaloniki, Hellas

Basic Knowledge and main characteristics

Angela Menzel (Switzerland)

08:30-10:30

Application of ESWT - Basic Indications

- · Calcifying tendinitis of the shoulder
- Epicondylitis radialis
- Plantar fasciopathy
- Achilles tendinopathies

Luc Vanden Bossche (Belgium)

Workshop - Demo treatment (on the above indications)

The Panel

10:30-11:00 C

Coffee break

WORKSHOP Extracorporeal Shock Wave Therapy (ESWT) (continued)

Application of ESWT - Other Indications

- Other tendon and ligament pathologies (trochantiritis, Pes anserinus bursitis, patelofemoral ligament bursitis)
- · Trigger points treatment
- Pseudoarthrosis
- Wound healing

Efthimios Kouloulas (Hellas)

11:00-12:30

Workshop - Demo treatment (on the above indications)

The Panel

General questions on the application, experience

Current scientific literature and publications

Legal - and regulatory aspects, reimbursement questions

Luc Vanden Bossche (Belgium)

Discussion

The Panel

12:30-13:00 Lunch break

WORKSHOP

Injection Techniques: Platelet Rich Plasma (PRP) Injections & Prolotherapy Procedures

Introduction to Regenerative Injection Therapy (prolotherapy)

Andrea Piccozzi (Italy)

Evidence Based Medicine of Regenerative Injection Techniques and biological effects of dextrose on connective tissue healing

Andrea Piccozzi (Italy)

Needles and solutions preparation, safety issues

Stephen Cavallino (Italy)

Biotensegrity concepts applied to clinical evaluation of musculoskeletal dysfunction Andrea Piccozzi (Italy)

13:00-15:30

General introduction: The use of PRP in acute and chronic musculotendinous disorders Luc Vanden Bossche (Belgium)

The use of PRP in treatment of chronic patellar tendinopathy: short-term clinical outcome Luc Vanden Bossche (Belgium)

Comparative clinical outcome study of the use of PRP combined with Patella tendon release versus Patella tendon release alone

Luc Vanden Bossche (Belgium)

Questions & Answers

The Panel

15:30-16:00 Coffee break

Demonstration of PRP injection on patient 16:00-17:00

Luc Vanden Bossche (Belgium)

Demonstration of Prolotherapy on patient

Stephen Cavallino (Italy)

17:00-18:30

Practice (Hands-On) It will take place in two smaller rooms. The participants will separate into two groups. Participants will perform injection techniques, under instructions and supervision, on anatomically correct models of the shoulder, the wrist, the knee and the ankle.

The Panel

20:00 GALA DINNER (optional)

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SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair Renato Nunes (Portugal)

Veronica Fialka-Moser (Austria)

LECTURE Management of cerebral palsy

08:30-09:00 Demet Ofluoglu (Turkey)

ORAL PRESENTATIONS OP 10

Spasticity in cerebral palsy: why infiltration with botulinum toxin type A <u>Sofia Amorim</u>, Hugo Lopes, Elza Pires, Lúcia Dias (Portugal)

Microcurrent reflexology in combination with cortexin in speech pathology therapy while treating cerebral palsy

Tatiana Ukhanova, V. Ivanova (Russia)

Evaluation of muscle spasticity in children with cerebral palsy after shock wave therapy <u>Mariya Gonkova</u>, <u>Flena Ilieva</u>, <u>Ivan Chavdarov</u>, <u>Nelly Petrova</u> (Bulgaria)

Cartography of neurovisual disorders in 66 cerebral palsied (CP) children and adolescents Mostafa Ardati, Nicolas Benguigui, Yasser Mohammad (France)

O9:00-10:30 Italian McGill ingestive skills assessment (MISA-I): translation and cross-cultural validation of italian version scale

<u>Alberto Giattini, Maria Elena Collina, Emilia Calderisi, Ma</u>nuela Ricci, Emanuela Torresi, Francesca Ciarrocca, Anna Maria Giorgini, Stefano Bedeschi, Heather Lambert (Italy, Canada)

Rehabilitation of elderly patients in the acute and post-acute phase after stroke event <u>lonathan Seitanidis</u>, Giuseppe Di Natali, Bruno Mazzacane, Elena Dalla Toffola (Italy)

Diaphragmatic breathing exercises and pelvic floor retraining in children with dysfunctional voiding

<u>Vesna Zivkovic</u>, Milica Lazovic, Ivona Stankovic, Lidija Dimitrijevic, Slavica Djordjevic, Marina Vlajkovic, Andjelka Slavkovic (Serbia)

Long term evaluation of homeopathy on post treatment impairment of pulmonary tuberculosis

Neha Sharma, Sadhana Sharma, Ram Gopal Sharma (India)

A multidisciplinary approach in spi<mark>na bifida. The experience of a pediatric hospital</mark> <u>Sandra Magalhães</u>, Sofia Toste, Teresa Costa, Antónia Pires, Lurdes Palhau, Rosa Amorim (Portugal)

10:30-11:00 Coffee break

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair Enrique Varela-Donoso (Spain)
Pedro Cantista (Portugal)

LECTURE Pain in anterior part of the knee 11:00-11:30 Fernando Parada (Portugal)

ORAL PRESENTATIONS OP 12

Description of the profile of a traumatic brain injured patient in light of the ICF: a view from the professional

Sara Laxe, Verónica Robles, Montserrat Bernabeu (Spain)

Model of PMR residency curriculum presentation based on ICF

Carlos Machado, Fernando Monteiro, Kátia Ferreira, Miguel Costa, Rui Marques (Portugal)

A primary linking of the ICF to the diagnostic me/cfs criteria: results from interdisciplinary team based assessments

Philipe Nioo, Jan Ekholm, Marie-Louise Schult, Per Julin (Sweden)

11:30-12:30

Implication of an intervention program for the promotion of physical activity in the quality of life of people with multiple sclerosis

Luísa Pedro, José Pais - Ribeiro, João Páscoa Pinheiro (Portugal)

Early and late complications after intrathecal baclofen pump implantation for patients with spasticity - SBAHC experience

<u>Abdulrahman Shugaa-aldin</u>, Dafer Al-khudairy(Saudi Arabia)

Efficacy of intrathecal baclofen delivered by an implanted programmable pump in the treatment of spasticity due to acquired brain injury: our experience

Efstathios Papanastasiou, Romina Galvani, Antonio De Tanti (Italy)

12:30-14:30 Lunch break

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair

Steven Stanos (USA)

Guy Vanderstraeten (Belgium)

LECTURE

Interventional treatment in spinal pain

14:30-15:00 Mehmet Ali Taskaynatan (Turkey)

ORAL PRESENTATIONS OP 14

Detection of progressive scoliosis by Surface Topography (Biomod-L®) follow up. A prospective study on 100 patients

Georges de Korvin, Mathieu de Sèze (France)

Correlation of bone area with muscle area in lower limbs in spinal cord injury vs able bodied subjects

<u>Yannis Dionyssiotis</u>, Georgia latridou (Germany, Hellas)

15:00-16:00

Effects of Chêneau brace on the postural balance of adolescents with idiopathic scoliosis: a pilot study

<u>Teresa Paolucci</u>, Giovanni Morone, Mariachiara Vulpiani, Annalisa Di Cesare, Maria Rosaria Grasso, Augusto Fusco, Stefano Paolucci, Vincenzo Maria Saraceni, Marco Iosa (Italy)

Physical therapy for scoliosis treatment – new model Zoran Šarčević (Serbia) School injuries in Portuguese adolescents

Maria João Azevedo, Carla Alves, Fréderic Ramalho, Ana Castro (Portugal)

Impact of finger amputation and influence of silicone prosthesis for amputation of one or more fingers of hand on hand function and grip force Zala Kuret, Helena Burger, Tomaž Maver (Slovenia)

16:00-16:30 Coffee break

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair Mihai Berteanu (Romania) Despoina Psillaki (Hellas)

LECTURE Small countries' experience educating rehabilitation professionals

16:30-17:00 Aivars Vetra (Latvia)

ORAL PRESENTATIONS OP 17A

Outcome following rehabilitation of cancer patients

<u>Fahim Anwar</u>, Ahmad Al Khayer, Hoda EL-Mahrouki, Alastair M. Weir (U.K)

Psychological issues of cancer patients in active rehabilitation

Alastair Weir, Fahim Anwar, Ahmad Al Khayer, <u>Hoda EL-Mahrouki (</u>U.K)

Rehabilitation issues in cancer patients

Fahim Anwar, Ahmad Al-Khayer, Hoda EL-Mahrouki, Alastair Weir (U.K)

LECTURE The adjective physical and its attribution to physical medicine

17:30-18:00 Mohamed El Abd (Egypt)

ORAL PRESENTATIONS OP 17B

The influence of endurance and resistance training on femoral neck strength in premenopausal women during breast cancer endocrine therapy Katarzyna Hojan, Piotr Milecki (Poland)

The association between changes in body build and quality of life in women with breast 18:00-18:30 cancer undergoing hormonal therapy during exercises

<u>Katarzyna Hojan</u>, Marta Molińska – Glur<mark>a, Piotr</mark> Milecki (<mark>Poland</mark>)

Postural disordes and falls risk in patients with parkinson disease: comparison between subjective and objective stability perception

Cecilia Perin, Marta Bolis, Roberta Melchionda, Roberto Meroni, Cesare Cerri (Italy)

20:00 GALA DINNER (optional)

Chair Alain Delarque (France)
Franco Franchignoni (Italy)

LECTURE How to develop research capacity in PRM: the ISPRM training program experience

08:30-09:00 Marta Imamura (Brazil)

ROUND TABLE OF EUROPEAN SCHOOL MARSEILLE Part I

Alain Delarque (France)

Chair Franco Franchignoni (Italy)

Laurent Bensoussan (France)

Sensorial strategies and Balance: from free choice to visual dependence

Alain Yelnik (France)

Optimization of body center of mass movement during normal and pathological gait

Thierry Lejeune (Belgium)

09:00-10:30

Functioning and Disability of a population of transtibial amputees using prosthesis with a dynamic

foot in the North of France
Andre Thevenon (France)

Rehabilitation for aphasia: present and future issues

Pierre-Alain Joseph (France)

Sportsmedicine in Europe

Guy Vanderstraeten (Belgium)

10:30-11:00 Coffee break

ROUND TABLE OF EUROPEAN SCHOOL MARSEILLE Part II

Chair Rolf Frischknecht (Switzerland)
Pierre-Alain Joseph (France)

Assessment of patients with gait abnormalities in physical and rehabilitation medicine settings

Alain Delarque (France)

Using geographical approaches for disability studies

Rolf Frischknecht (Switzerland)

11:00-12:30 Botulinum toxin injection in lower limb muscles: effect on the gait parameters

Laurent Bensoussan (France)

Neglect: from assessment to rehabilitation

Gilles Rode (France)

What is new in the assessment and the management of the children with cerebral palsy?

Vincent Gautheron (France)

Stroke and Swallowing Disorders: Clinical assessment

Jean-Yves Salle (France)

12:30-13:00

SATELLITE LECTURE sponsored by Pfizer

Chair

Georgios Tzanos (Hellas)

Vice President Hellenic Society of PRM

Pharmacological Management of Neuropathic Pain. Evidence based and personal experience

Athina Vadalouca, MD, PhD, FIPP

Associate Professor of Anesthesia, Pain Management and Palliative Care

Medical School – University of Athens, Aretaieio Hospital (Hellas)

ESRA Past President, President of PARH.SY.A.

13:00-13:30

Lunch break

13:30-14:00 SATELLITE LECTURE sponsored by







Head-

Giorgos Milonakis,

Coordinator CEO of TUV RHEINLAND HELLAS (Athens, Greece)

'Quality Management Systems in Healthcare services: quality assurance in practice and patients' satisfaction '

Giorgos Milonakis,

CEO of TUV RHEINLAND HELLAS (Athens, Greece)

'Temos Certification in Rehabilitation services: Enhancing Quality- Focusing on International Patient's Management- Entering Medical Tourism Market, a new era.'

Angeliki Katsapi,

Director-Certified Assessor of Temos Aegean Ltd, Cyprus- Greece.

Achilles Ntavelis,

Chairman of the Greek Rehabilitation Center's Association

Katerina Saramourtsi,

Scientific Director of ANIMUS Rehabilitation and Recovery Center (Larisa, Greece)

ROUND TABLE OF THE JORDANIAN SOCIETY OF PHYSICAL MEDICINE, ARTHRITIS & REHABILITATION

Moderator Ziad Hawamdeh (Jordan)

Chair Ziad Hawamdeh (Jordan) Tommaso Sciarra (Italy)

The clinical Pattern of patients with Knee Osteoarthritis – a hospital based study

Ziad Hawamdeh (Jordan)

14:00-15:30 Spinal cord injury induced osteoporosis

Ali Otom (Jordan)

Reinforcement the CBR Referral system

Salem Almajali (Jordan)

Platelet Rich Plasma for knee OA

Awni Hanandeh (Jordan)

15:30-16:00 Coffee break

ROUND TABLE "ESPRM meets ISPRM-WHO Liaison Committee"

Chair

Christoph Gutenbrunner (Germany) Alessandro Giustini (Italy)

Scope and action plan of the ISPRM-WHO liaison Committee

Christoph Gutenbrunner (Germany)

16:00-17:30

Dissemination analysis and implementation of the World Report on Disability – what has to be done in Europe?

Alessandro Giustini (Italy)

Disaster Relief – what can European countries contribute to the ISPRM concept *Jianan Li (China)*

Do we need a new international classification of rehabilitation services? Dimitrios Skempes (Hellas)

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair Alain Yelnik (France)
Franco Franchignoni (Italy)

LECTURE 17:30-18:00

International perspectives of education in PRM: Challenges and opportunities for mutual growth

Marta Imamura (Brazil)

ORAL PRESENTATIONS OP 28

Building up rehabilitation team nursing education

<u>Emela Skikic Mujic</u>, Trebinjac Suad, Mohammad Al Ahmad, Teresa Masangkay Tolin, Inbadurai Palaniswami, Nadera Issa Bishara Turjiman, (UAE)

Needs for rehabilitation in all stroke patients admitted to an university hospital <u>Inmaculada Bori</u>, Carmen Martinez-Garre, Susana Rodríguez (Spain)

Level of information provided to care givers of Greek stroke patients

Margaret-Helen Manola, Vassiliki Virini, Anna Zuberer, Xanthi Michail (Hellas)

18:00-19:00

Unmet needs, denial of, and satisfaction with healthcare among persons with physical and mental impairments: results from the World Health Survey

Dimitrios Skempes, Jan D. Reinhardt, Bernd Fellinghauer, Jerome E. Bickenbach (Switzerland)

Lower limb amputee patients and their walking ability Metka Prešern-Štrukelj, Tatjana Erjavec (Slovenia)

New technologies and rehabilitation team: three years of experience Laura Tosi, Giacomo Nofri, Alessandra Testa (Italy)

Alessandro Giustini (Italy) Chair Paolo Di Benedetto (Italy)

LECTURE Disabling obesity: from determinants of disability to care models

08:30-09:00 Paolo Capodaglio (Italy)

ORAL PRESENTATIONS OP 20

Manual ability unbiased by diagnosis: dream or reality?

Carlyne Arnould, Laure Vandervelde, Massimo Penta, <u>Jean-Louis Thonnard</u> (Belgium)

Quality of life is still too equivocal to serve as a meaningful concept in rehabilitation research Thorsten Meyer (Germany)

The information systems technologies in rehabilitation procedures

C. Giannakitzidis, Nikolaos Hatzoglou, C. Gkoumas, D. Pasvantis, Theodoros Loizidis (Hellas)

09:00-10:00

Hospital rehabilitation services in Greece and patients/guests satisfaction Maria Pyrgeli, George Panigyrakis, Eleftherios Bakas (Hellas)

Eligibility for upper limb robot-assisted training as an adjunct in subacute stroke rehabilitation <u>Christophe Duret</u>, Emilie Hutin, Laurent Lehenaff, Jean-Michel Gracies (France)

Motor outcomes changes during an upper-limb robot-assisted training at early stage after stroke Christophe Duret, Laurent Lehenaff, Jean-Michel Gracies, Emilie Hutin (France)

LECTURE The role of the web in spreading PRM culture in Europe

10:00-10:30 Mauro Zampolini (Italy)

Coffee break 10:30-11:00

EDUCATIONAL COURSE

"URINARY INCONTINENCE IN WOMEN (symptoms, simplified diagnosis, practical pelvic floor rehabilitation)

Aggeliki Galata (Hellas) Chair

Moderator/ Speaker

Paolo Di Benedetto (Italy)

Urinary incontinence: definitions and pathophysiology

History and basic evaluation

11-00-12:30 Presumed diagnosis and initial management

Pelvic floor rehabilitation: from Kegel to adapted physical activity

Question and answers

12:30-14:00 Lunch break

ROUND TABLE ON NEUROMODULATION

Chair Elena Ilieva (Bulgaria)

Kostantinos Athanasopoulos (Hellas)

Intrathecal baclofen therapy in spinal cord injury: state of the art

Carlotte Kiekens (Belgium)

14:00-15:30

Rationale decision making in candidates for ITB therapy

Klemen Grabljevec (Slovenia)

Neuromodulation: Patient management after pump implantation and refill procedure

Efthimios Kouloulas (Hellas)

15:30-16:00 Coffee break

ROUND TABLE ON MUSCULOSKELETAL REHABILITATION

Chair Fitnat Dincer (Turkey)

Despoina Psillaki (Hellas)

PRM Approaches in the management of generalized soft tissue pain disorders

Aydan Oral (Turkey)

16:00-17:30

Cervical Spine & Periscapular pain generators

Christopher Plastaras (USA)

Extracorporeal shock wave therapy in the treatment of musculoskeletal disorders

Elena Ilieva (Bulgaria)

ROUND TABLE ON TELEMEDICINE

Chair Hermie Hermens (Netherlands)
Mauro Zampolini (Italy)

Telerehabilitation; present experiences and future perspectives

Hermie Hermens (Netherlands)

17:30-19:00

CLEAR: a promising Telemedicine project in PRM in Europe

Daniel Wever (Netherlands)

Enhancing quality of life through tele-rehabilitation

Konstantinos Athanasopoulos (Hellas)

SEMINAR ON PAIN

Introduction: Pain in Europe

Hans Kress President of EFIC

Chronic pain: nociceptive neuropathic mixed

Roberto Casale EFIC

08:30-10:30

Pain and movement

Efthimios Kouloulas (Hellas)

Pain and physical therapy

Eleftheria Antoniadou (Hellas)

Pharmacological treatments in rehabilitation: not hell not heaven

Steven Stanos (USA)

10:30-11:00 Coffee break

ROUND TABLE OF CHINESE DELEGATES "Chinese Experience in PRM"

Chair

Jianan Li (China)

Alessandro Giustini (Italy)

Influence of body posture in urination in patients with spinal cord injury

Jianan Li (China)

Chinese model of disaster rehabilitation - 3 year experience from Sichuan Earthquake

Jianan Li (China)

11:00-12:30

Chinese approach in rehabilitation in cognition modification

Lidian Chen (China)

Application of botulinum toxin in spasticity - studies in China

Fang Li (China)

ICF implementation in China

Sheng Bi (China)

12:30-14:00

Lunch break

EDUCATIONAL COURSE ON SEGMENTAL NEUROMYOTHERAPY

Chair Eleftheria Antoniadou (Hellas)

Segmental neuromyotherapy. A novel system for diagnosis and management of pain

Marta Imamura (Brazil)

14:00-15:30

Segmental neuromyotherapy of the cervical spine and upper limb

Bryan O' Young (USA)

Segmental neuromyotherapy of the lower back and lower limb

David Cassius (USA)

15:30-16:00 Coffee break

EDUCATIONAL COURSE ON SEGMENTAL NEUROMYOTHERAPY (continued)

Other desensitization techniques

Giampaolo De Sena (Italy)

Motor recovery In stroke patients: insights from the SNMT model 16:00-17:30

Marta Imamura (Brazil)

Segmental neuro sensitization: Musculoskeletal considerations

Mark A. Young (USA)

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Andre Thevenon (France) Chair Marianthi Tzara (Hellas)

LECTURE Vestibular therapy and bening paroxysmal positional vertigo

17:30-18:00 Francois Boyer (France)

ORAL PRESENTATIONS OP 29

Synkinesis assessment questionnaire accuracy in our hospital

Luisa Viviana Galvis Gómez, Mireia Garcia, Josefina Junyent Pares, Carmen Masuet (Spain)

The effect of peripheral electric neuromuscular stimulation (ES) on cortical remapping after stroke

Moheb Gaid, Fiona Douglas, Gordon Waiter, Andrew Wilson, Alastair Cozens, Bipinchandra Bhakta (U.K)

Neuroplasticity induced by exercise-based therapies: implications for rehabilitation Manuel Bayón-Calatayud, Angel Gil-Agudo, Ana Maria Benavente-Valdepeñas, Olga Drozdowskyi-Palacios, Gonzalo Garcia-Serrano (Spain)

Use of a protocol of decanulation in patients with severe acquired brain injury (SABI): 18:00-19:00 results of a retrospective study in an intensive rehabilitation unit

Antonio De Tanti, Chiara Bertolino, Silvia Pregno, Ilaria Trioli, Efstathios Papanastasiou, Serena Gennaro, Graziella Taormina (Italy)

Neuropsychological evaluation of the abilities necessary to return to drive after a brain damage Véronique Bourrat-Salducci, Patricia Delhomme, Michel Enjalbert, Redha Benbouzid, Olivier Bosch, Charles Fattal (France)

Prevalence of somatosensory, perceptual and cognitive deficits and their meaning for subacute stroke rehabilitation

Nika Goljar, Matic Ivanovski (Slovenia)

Chair

Tatjana Paternostro-Sluga (Austria) Gordana Devecerski (Serbia)

LECTURE

Adiponectin and leptin contrroveries in osteoarthritis

08:30-09:00

Sekib Sokolovic (Bosnia & Herzegovina)

ORAL PRESENTATIONS OP 21

An intra-articular injection with two different types of hyaluronic acid in the management of hip osteoarthritis

<u>Paride Bertocco</u>, Grazielle Giaffreda, Daniele Clement (Italy)

Postural stability and knee active range of motion in women with gonarthrosis before and six months after unilateral total knee arthroplasty

<u>Monika Rätsepsoo,</u> H<mark>elena Gapeyeva, Doris</mark> Vahtrik, Herje Aibast, Jaan Ereline, Tiit Haviko, Aare Märtson, Mati Pääsuke (Estonia)

Rehabilitation problems after total knee replacement

<u>Stamatios Symeonidis</u>, Ilias Bisbinas, Ioannis Theodoroudis, Theodoros Mihail, Dimitrios Georgianos, Matthaios Savvidis, Georgios Gouvas (Hellas)

09:00-10:00

The role of NSAIDs-physiotherapy in treatment of patients with lumbar spondylarthritisspinal canal stenosis

Ilias Bisbinas, Stamatios Symeonidis, <u>Theodoros Mihail</u>, Ioannis Theodoroudis, Dimitrios Georgianos, Matthaios Savvidis, Georgios Gouvas (Hellas)

Quantitative analysis of effect of lateral wedging insole in medial compartment knee osteoarthritis on foot pressure and radiological parameters Somya Saxena, Upinderpal Singh, Sanjay Wadhwa, Shivlal L Yadav, Gita Handa (India)

Evaluation of effectiveness of start-walking training among patients after operations of total articular replacement with the account of expressivtness of pain syndrome Elizaveta Koneva, Anton Serebryakov, Alexey Voloshin, Alfia Kamalova, Tatiana Shapovalenko, Konstantin Lyadov (Russia)

LECTURE 10:00-10:30

Evidence based medicine in the management and diagnosis of hand osteoarthritis Fitnat Dincer (Turkey)

10:30-11:00

Coffee break

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair

Mauro Zampolini (Italy) Dimitrios Patatoukas (Hellas)

LECTURE 11:00-11:30

Low back pain in athlete Christopher Plastaras (USA)

ORAL PRESENTATIONS OP 23

The possibility of false interpretation of parameters acquired from objective posture assessment. Comparison of different calculation methods of spinal curvatures in sagital projection Wojciech Hagner, Magdalena Hagner-Derengowska, Monika Dylewska, Michał Dylewski (Poland)

Assessment of frequency of appearance the internal rotation of femur in adults during standing position. An attempt of theoretical explanation

<u>Magdalena Hagner-Derengowska</u>, Michał Dylewski, Wojciech Hagner, Monika Dylewska (Poland)

Defining the effect of gel-insoles on pelvic and trunk motion of healthy individuals via 3d gait analysis George Marinakis, Nicolaos Groumas, Nicolaos Ananidis, Marina Vassalou, Christos Christogeorgos, Stelios Vassalos (Hellas)

Injuries in the young dancer

Tzaki (Itzhak) Siev-Ner, Nili Steinberg (Israel)

11:30-12:30

The effect of sport-specific training on power in concentric phase of take-off during maximal hopping

Erika Zemková, Oľga Kyselovičová, Jana Labudová, Peter Olej (Slovakia)

Getting back on your feet; delayed discharge in ankle fractures Geraint Williams, James Widnall (U.K)

12:30-14:00 Lunch break

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair Mark Lissens (Belgium)
Evangelia Maragkoudaki (Hellas)

LECTURE ICU-acquired muscle weakness: diagnosis and treatment
14:00-14:30 Tatjana Paternostro-Sluga (Austria)

ORAL PRESENTATIONS

Factors influencing spinal cord injury related bone impairment <u>Yannis Dionyssiotis</u>, Georgia latridou, Georgia Dislaki (Germany, Hellas)

The use of rehabilitation complexity scale in a rehabilitation unit in Scotland <u>Hoda EL-Mahrouki</u>, Fahim Anwar, Maureen Love, Christopher W. Roy (U.K)

Our experience concerning neurorehabilitative outcomes in patients with postacute traumatic brain injury (TBI) treated with cerebrolysin

Cristina Daia, Aurelian Anghelescu, Monica Haras, Ťiberiu Spircu, Anca Mihăescu, Liliana Onose, Cristina Popescu, Filis Sali, Răzvan Ghinea, <u>Gelu Onose</u> (Romania)

14:30-15:30

OP 25

Severe heterotopic ossification of hip as agent of restriction on activity and participation: our experience

Nikolaos Ananidis, Despina Psillaki, <u>Triantafyllos Georgiadis</u>, Christos Gartzios, Eleftherios Stefas, Vasilios Tragoulias, Nikolaos Groumas (Helias)

Length of stay and final outcome in six major categories of in-patient rehabilitation N. Hatzoglou, A. Kostikidou, P. Valavanis, D. Pasvantis, P. Vorniotakis (Hellas)

'Self awareness' impairment: current concepts on causes, assessment tools and therapeutic interventions

<u>Andromachi Salacha</u>, Georgios Tzanos (Hellas)

15:30-16:00 Coffee break

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair Martin Grabois (USA)
Efthimios Kouloulas (Hellas)

LECTURE Update on pathophysiology of acute and chronic pain, understanding sensitization Steven Stanos (USA)

ORAL PRESENTATIONS OP 26

Patients admitted in ICU during their inpatient rehabilitation period. Length of stay and final outcome of the rehab programme

A. Iliadis, C Gkoumas, D Markou, E Papoutsi, A Tsiora, K Vais, N Hatzoglou, Theodoros Loizidis (Hellas)

Development of an application for processing data from isoinertial electromyography during Kaclir test

Simone Tiberti, Stefano Vando, Calogero Foti (Italy)

Analysis of errors in the execution of motor action through the use of software for the observation and analysis of motor behavior

<u>Veselin Medenica</u>, Dragan Rapaic, Lidija Ivanovic, Srecko Potic, Milena Milicevic (Serbia)

Reliability testing of the patellofemoral joint reaction force (PFJRF) measurement during double-legged squatting in healthy subjects: a pilot study <u>Javid Mostamand</u>, <u>Dan L. Bader</u>, <u>Zoë Hudson</u> (Iran, U.K.)

Effects of walking speed on long-range auto-correlations and on fluctuation magnitude of stride duration

Benjamin Bollens, <u>Christine Detrembleur</u>, Frédéric Crevecoeur, Erwan Guillery, Thierry Lejeune (Belgium, Canada)

Kinematical behavior of healthy knees during concentric and eccentric phases of selected rehabilitative exercises

<u>Sadegh Norouzi.</u> Fateme Esfandiarpour, Ali Shakourirad, Farzam Farahmand, Reza Salehi, Mohammad Akbar (Iran, Canada)

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Sekib Sokolovic (Bosnia & Herzegovina) Soultana Tatsidou (Hellas)

LECTURE Physical therapy in Geriatrics 17:30-18:00 Gordana Devecerski (Serbia)

ORAL PRESENTATIONS OP 30

18:00-19:00 Concentration of D-dimer in the serum of patients with lymphoedema exposure during intermittent lower limb negative pressure

Gordana Devecerski, Branko Milicevic, Slobodan Pantelinac (Serbia)

Local application of mechanical vibrations: detection of metabolic effects by means of oximetry Antonella Felici, Chiara Trombetta, Paolo Abundo, Nicola Rosato, Calogero Foti (Italy)

Fetal incidence in an inpatient rehabilitation center – one year experience <u>C Gkoumas</u>, N Hatzoglou, P Vorniotakis, D Pasvantis, M Sion, Theodoros Loizidis (Hellas)

Early detection of lower limbs deep vein thrombosis: Prophylaxis of fatal complications among patients with stroke

<u>Victoria Petukhova</u>, Konstantin Lyadov, Tatiana Shapovalenko (Russia)

Research: cholecystitis and nutrition in a rehabilitation center and how they relate <u>Eleni Liorda</u>, Athanasios Permekerlis, Dimitrios Skoutas, Ioannis Katsanos, Chrysanthi Ntasiopoulou, Irene Mouza (Hellas)

The effect of respiratory rehabilitation on exacerbations prevention of chronic obstructive pulmonary disease – systematic review and meta-analysis

<u>João Amaro</u>, Carla Martins, Jorge Moreira, Catarina Aguiar Branco (Portugal)

WORKSHOP	Mesotherapy & Capacitive Resistive Diathermy Therapy
Chair	Marianthi Tzara (Hellas)
Moderator	Prof. Calogero Foti (Italy)
08:30-10:30	SESSION I: Mesotherapy in Rehabilitation Medicine • Historical review, analysis of scientific publications • Anatomy, physiology, pathophysiology • Applications Procedures • Pharmacology • Indications, Contraindications, Limits, side effects • Questions & Answers
	Prof. Calogero Foti (Italy) Dr Cristina Ciotti, MD (Italy) Dr Sciarra Tommaso, MD (Italy)
10:30-11:00	Coffee break
11:00-13:00	Practice (Hands-On) It will take place in two smaller rooms. The participants will separate into two groups. Participants can apply or be applied Mesotherapy on their own body to understand the application procedures (we suggest comfortable clothes) Prof. Calogero Foti (Italy) Dr Cristina Ciotti, MD (Italy)
13:00-14:00	Dr Sciarra Tommaso, MD (Italy) Lunch break
14:00-15:30	SESSION II: Capacitive resistive Diathermy Therapy • Historical review, analysis of scientific publications • Biophysics and action mechanism • Anatomy, physiology, pathophysiology • Applications Procedures • Indications, Contraindications, Limits, side effects • Questions & Answers Prof. Calogero Foti (Italy)
	Dr Cristina Ciotti, MD (Italy) Dr Sciarra Tommaso, MD (Italy)
15:30-16:00	Coffee break
16:00-17:30	Practice (Hands-On) It will take place in two smaller rooms. The participants will separate into two groups. Participants can apply or be applied CDR on their own body to understand the application procedures (we suggest comfortable clothes)
	Prof. Calogero Foti (Italy) Dr Cristina Ciotti, MD (Italy) Dr Sciarra Tommaso, MD (Italy)

EDUCATIONAL COURSE ON ELECTRODIAGNOSIS

Chair

Nikolaos Roussos (Hellas) Dimitrios Patatoukas (Hellas)

Introduction

Electrodiagnosis (EDX) of the respiratory system and the critically ill (including critical illness polyneuropathy)

Mark Lissens (Belgium)

17:30-19:00

Pitfalls in Electro diagnosis Mohamed El Abd (Egypt)

The use of Motor Evoked Potentials in rehabilitation practice Mark Lissens (Belgium)

Discussion

Chair Ayse Kucukdeveci (Turkey)
Renato Nunes (Portugal)

ORAL PRESENTATIONS OP 22

Efficacy of the selective neurotomy in the treatment of the spastic equinovarus foot among adult stroke patients following the ICF model. A randomized, single-blind, controlled trial Benjamin Bollens, Christine Detrembleur, Thierry Lejeune, Thierry Gustin, Gaëtan Stoquart, Thierry Deltombe (Belgium)

Sensibility of the stump in adults with an acquired upper extremity amputation

<u>Willemijn van Gils</u>, Heleen A. Reinders-Messelink, Frida A.V. Smit-Klaij, Raoul M. Bongers, Pieter U.

Dijkstra, Corry K. van der Sluis (The Netherlands)

08:30-09:30 Innovative rehabilitation technologies after microdiskectomy at lumbo-sacral level

Alexey Chigarev, Sergey Khakimov, Tatiana Shapovalenko, Lev Agasarov, Konstantin Lyadov (Russia)

Impact on quality of life in temporomandibular joint disorders after treatment with physiotherapy and botulinum toxin infiltrations

<u>Caribay Vargas Reverón</u>, Viviana Galvis, Mireia García, Josefina Junyent Parés (Spain)

Effects of kinesio-tape on pain and 3D scapular kinematics inn patients with shoulder impingemenet syndrome during scaption: a randomized, double blinded, placebo-controlled study Roshanak Keshavarz, Amir Massoud Arab, Hassan Shakeri, Farhad Tabatabai Ghomshe, Ahmad Raeissadat (Iran)

Peroneus quartus muscle and functional ankle instability <u>Guillaume Lotito</u> (France)

VIDEO PRESENTATIONS VP 01

Examination of bad posture with software

Elizabeta Popova Ramova, Milica Lazovic, Anastasika Poposka, Biljana Angelovska, Maja Blazeska, Irina Bozinovska, Nikola Loz¬anovski, Zoran Stavrevski (Serbia, FYROM)

Effects of a light Functional Restoration of the Spine program ("Light FRS") on biomechanical parameters in 23 patients with chronic low back pain Shahab Fardjad, Mina Boutou, Anousheh Behnegar, Aldo Primerano, Luce Condamine, Jean-Michel Gracies, Emilie Hutin (France)

09:30-10:30

Non-contact bridging system (NCB) in the treatment of periprosthetic femoral fractures: 12th months of follow-up

Grazielle Giaffreda, Paride Bertocco, Daniele Clementi (Italy)

Role of the Typaldos method in orthopedic rehabilitation Anna Warlamides (Austria)

Different effects on cardiovascular responses between concentric and eccentric exercise. A systematic review

Athanasios Mandilaris, Lentia Alousi, Nikolaos Bourganos (Hellas)

The influence of aquatic physical therapy associated with a metronome at wheelchair displacement in Parkinson's disease: a case study

Alexandre Lara Moraes, Camila Mottinelli de Souza (Brazil)

10:30-11:00

Coffee break

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair

Milica Lazovic (Serbia) Georgios Tzanos (Hellas)

LECTURE

Functional assessment in arthritis: current practice and future directions

11:00-11:30

Ayse Kucukdeveci (Turkey)

ORAL PRESENTATIONS OP 24

Reliability of a smartphone-based application for joint angle measurement of the hand Giorgio Ferriero, <u>Lucia Marcantonio</u>, <u>Stefano Vercelli</u>, <u>Francesco Sartorio</u>, <u>Giuseppe Massazza</u> (Italy)

Variation HAQ score in patients with coxarthrosis and coxita after balneofizical treatment Nistor-Cseppento Carmen, Livius Lazar, Felicia Cioara (Romania)

Functional recovery after autologous osteochondral transplantation (mosaicplasty): comparison between the groups under and over 40 years old Hiroshi Kuroki, Toru Oka, Taizo Furukawa, Masahko Kobayashi, Yasuaki Nakagawa (Japan)

11:30-12:30

Evaluation of safety of start-walking training among patients after operations of total articular replacement with the account of development of orthostatic reactions <u>Elizaveta Koneva</u>, Anton Serebryakov, Alexey Voloshin, Alfia Kamaiova, Tatiana Shapovalenko, Konstantin Lyadov (Russia)

A study of effects of home based exercise therapy on spinal mobility, fatigue, quality of life, disease activity and functional capacity in patients suffering from ankylosing spondylitis Praina Ranjani Mohan, Sanjay Wadhwa, Upinderpal Singh, Uma Kumar, Ravindra M Pandey (India)

Plantar pressures, foot pain and walking ability in rheumatoid arthritis patients

<u>Primoz Novak</u>, Gaj Vidmar (Slovenia)

12:30-14:00

Lunch break

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair

Mohamed El Abd (Egypt) Nikolaos Barotsis (Hellas)

VIDEO PRESENTATIONS VP 02

14:00-15:30

Low level laser therapy in geriatric patients with acute low back pain Ljubica Konstantinovic, Nenad Milovanovic, Aleksandra Jeremic (Serbia) The effect of foot orthoses with and without medial wedge on energy consumption in runners with flat feet

Farzad Farmani , Mohammad Sadeghi, Hassan Saeedi (Iran)

Investigation of the effective variables on the function of the patellar tendon bearing brace with plantar pressure measurement

<u>Farnaz Alimerzaloo</u>, Zahra Safaeepour, Nader Fallahian, Reza Vahab Kashani(Iran)

Dynamic correlation regarding the fixed combination for patients in rehabilitation

Sarah Adriana Nica, Laura Gaman, Gilda Mologhianu, Brindusa Mitoiu, Andreia Murgu, Florina Ojoga, Raluca Papacocea (Romania)

Tai Chi Chuan training for PM&R professionnals developing a new treatment modality in rehabilitation

<u>Luce Condamine</u>, Emilie Hutin, Mina Boutou, Anousheh Behnegar, Jean-Michel Gracies, Shahab Fardjad (France)

Effect of intensive physical therapy program on gross motor abilities of children with Cerebral Palsy

Wail Salam (Egypt)

Predictive signs of change of swallowing disorders after stroke <u>Jean-Pierre Crudo</u>, Nader Hadiji, Michel Enjalbert (France)

Sialorrhea in patients with cerebrovascular injured heavy treated botulinum toxin under ultrasound guidance

<u>Jean-Pierre Crudo</u>, Michel Enjalbert, Nader Hadiji, Anne-Marie Solbes (France)

Contribution of NBI (Narrow Band Light) in the analytical evaluation of disorders of swallowing after stroke

<u>Jean-Pierre Crudo</u>, Nader Hadiji, Michel Enjalbert (France)

15:30-16:00 Coffee break

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair Klemen Grabljevec (Slovenia) Asterios Papanikolaou (Hellas)

LECTURE PRM support for the research: a new European initiative 16:00-16:30 *Tommaso Sciarra (Italy)*

ORAL PRESENTATIONS OP 27

Quality of life in chronically hospitalized patients with schizophrenia and matched outpatients in Iran, Tehran

Mahdieh Seyedi, Mahnaz Hejazi, Narges Shafaroodi (Iran)

16:30-17:30 Effect of structural resonance electrical magnetotherapy on regulatory system's indexes of patients with gastroesophageal reflux disease

Metanet Efendiyeva, Nazim Badalov (Russia)

The efficiency of neuroprotective therapy in rehabilitated treatment in patients with non-proliferative diabetic retinopathy

Olga Yurova, Natalia Morozova, Olga Rogan, Galina Nazarova (Russia)

Tracheotomy closure protocol in a rehabilitation institution

Maria Cunha, João Barosa, Paulo Margalho, Pedro Tomé, Jorge Laíns (Portugal)

Comprehensive integrated inpatient rehab program (CIIRP) evaluation after one year practice at Sultan Bin Abdulaziz Humanitarian City (SBAHC) Riyadh/Saudi Arabia 2010-2011 <u>Yousef Yousef Hamdan</u> (Saudi Arabia)

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair Chrisa

Carlotte Kiekens (Belgium) Chrisanthi Ntasiopoulou (Hellas)

LECTURE

Rehabilitation protocols after epilepsy surgery in children

17:30-18:00 Renato Nunes (Portugal)

ORAL PRESENTATIONS OP 31

Lower extremity strength development of cp ambulatory children in comparison to typically developing controls

Nikolaos Darras, D. Pasparakis, M. Tziomaki, C. Nestoridis, M. Pentarakis, A. Papavasiliou (Hellas)

Achieving rehab independence in swallowing by using Vital Stim Therapy technique for pediatrics and adults patients in Sultan Bin Abdulaziz Humanitarian City

Mufeed M. Al Jeady (Saudi Arabia)

Effectiveness of dysphagia therapy in people with swallowing dysfunction in an inpatient rehabilitation setting

18:00-19:00

<u>Eleni Zouzia.</u> Katerina Sdravou, Sonia Tsipi, Aikaterini Ntalou, Georgia Bousiou, Nikolaos Chatzoglou, Christos Gkoumas, Dimitris Pasvadis, Theodoros Loizidis (Hellas)

Hospital Anxiety Depression Scale (HADS) and Dystrophia Myotonica type 1 (STEINERT'S MYOTONIA): internal consistency and test-retest reproducibility

<u>François Constant Boyer</u>, Arnaud Calmus, Coralie Barbe, Amandine Rapin, Aurélie Flucher, Isabella Morrone, Jean-Luc Novella, Damien Jolly (France)

Severe aphasia and augmentative and alternative communication (AAC) a new perspective in the diagnostic process

Arin Awad, Mali Gil, Tal Lebel (Israel)

Chair Martin Grabois (USA)

Yannis Dionysiotis (Germany)

LECTURE Paralympic sports and classification

08:30-09:00 Dimitrios Patatoukas (Hellas)

ORAL PRESENTATIONS OP 32

The effects of ankle taping on kinematic findings of the ankle and knee joints during walking on level ground

Abbas Rahimi, Elaheh Shoara, Mohsen Razeghi, Ali Farhadi, Haleh Ghaem (Iran)

Evaluation of a hydraulic prosthetic foot while standing on slopes

<u>Itzhak Siev-Ner</u>, Sigal Portnoy, Orit Elion, Amit Gefen, Hanania Sharon, Anat Kristal (Israel)

The treatment of musculoskeletal pain conditions including myofascial trigger points using focussed shock waves (ESWT)

Hannes Müller-Ehrenberg (Germany)

09:00-10:30

Exercise stress testing and ability to walk with above knee prosthesis <u>Tatiana Erjavec, Gaj Vidmar, Helena Burger (Slovenia)</u>

The effectiveness of endonasal electrophoresis of cortexin in patients with primary openangle glaucoma

Galina Nazarova, Olga Yurova, Tatiana Konchugova, Natalia Morozova (Russia)

Seaweed body wrap use in complex treatment of patients with metabolic syndrome <u>Elena D. Kuzovkova</u>, Victorya A. Badtieva, E.A. Turova (Russia)

Efficacy of MAC new and SF 36 questionnaires in patients attending a cardiac rehabilitation program

<u>Eva Vaquerizo-Garcia</u>, K Villelabeitia-Jaureguizar, S. Rodriguez-Palero, I. Diaz-Bouchman2, P.Galán-Novella, B. Lopez-Cabarcos, B. Villarejo-Angul (Spain)

The sexuality seen by the cerebral palsied adolescents. Ten years experience <u>Yasser Mohammad</u>, Lilla Rolo, Christiane Bensousan, Isabelle Chatelain (France)

10:30-11:00 Coffee break

SESSION WITH LECTURES AND PAPER PRESENTATIONS

Chair Nikos Roussos (Hellas) Georgios Vasileiadis (Hellas)

LECTURE Ankle arthritis treatment alternatives

11:00-11:30 Athanasios Badekas (Hellas)

Maria Takvorian (Hellas)

ROUND TABLE OF HELLENIC SOCIETY FOR DISABLED CHILDREN (ELEPAP) Gait analysis

Instrumentation and measurements in Gait Analysis

Vasiliki Kouvelioti (Hellas)

Additional measurements in Gait Analysis

Nikolaos Darras (Hellas)

11:30-13:00

Gait Analysis in neuromuscular disorders

Dimitrios Metaxiotis (Hellas)

Orthopaedic follow up with 3D Gait Analysis

Dimitrios Pasparakis (Hellas)

13:00 CLOSING CEREMONY



Chair Rolf Frischknecht (Switzerland)
Nikolaos Barotsis (Hellas)

LECTURE Cardiac rehabilitation
08:30-09:00 Stamatios Symeonidis (Hellas)

ORAL PRESENTATIONS OP 33

Hypoalbuminemia as a predictor of worst functional capacity recovery in patients attending cardiac rehabilitation after ACS

<u>Vanessa Roque</u>, Inês Machado Vaz, Carla Gonçalves, Afonso Rocha, Victor Araújo, Júlia Maciel, Fernando Parada (Portugal)

What can we rely on to predict functional capacity after cardiac rehabilitation

<u>Vanessa Roque</u>, Inês Machado Vaz, Marco Maia, Afonso Rocha, Victor Araújo, Júlia Maciel, Fernando
Parada (Portugal)

Modern method in rehabilitation of patients with chronic venous insufficiency Natalya Trukhacheva, Victoriya Badtieva, Tatiana Apkhanova (Russia)

Physiotherapy methods in the treatment of hypertensive patients <u>Viktoriya Badtieva</u> (Russia)

09:00-10:30 Evaluation of a psychopedagogical intervention in a group of cardiac rehabilitation patients: sub-group and regression analysis

<u>João Amaro</u>, Jorge Moreira, Salomé Oliveira, Carla Araújo, Sara Mariano, Catarina Aguiar Branco, Luís Martins (Portugal)

Pilates in complex rehabilitation of patients with stable IHD (ischemic heart disease) <u>Svetlana Vostrukhova</u>, Tatiana Shapovalenko, Konstantin Lyadov (Russia)

Enhanced External Counterpulsation (EECP) in complex rehabilitation of patients with IHD (Ischemic Heart Disease) and angina underwent CABG (coronary artery bypass graft)

Svetlana Vostruhova, Tatiana Shapovalenko, Konstantin Lyadov (Russia)

Exercise prescription in cardiovascular patients Milica Lazovic, Ilic-Stojanovic Olivera (Serbia)

Raynaud's syndrome evolution in systemic scleroderma patients <u>Svetlana Agachi</u>, Liliana Groppa (Moldova)

10:30-11:00 Coffee break

Chair Stamatios Symeonidis (Hellas)

LECTURE Plasticity of the nervous system: the evolution and current use of it's multiple interdisciplinary

concepts in medical sciences

11:00-11:30 Andromachi Salacha (Hellas)

VIDEO PRESENTATIONS VP 03

11:30-13:00

System of medical rehabilitation in Ukraine Konstantin D. Babov, Iryna K. Babova (Ukraine)

Evolution of paretic shoulder kinematics after stroke: comparison between first and third month of scapular kinematics

Béatrice Médée, Mathieu Lempereur, Sylvain Brochard, Olivier Rémy-Néris (France)

Gait analysis into the water. Its implications to stroke rehabilitation. A case study

<u>Th Nikodelis</u>, V Konstantakos, I Kosmadakis, C Gkoumas, N Xatzoglou, P Vorniotakis, T Loizidis, I Kollias (Hellas)

Feasibility, safety and tolerability of a 12-week progressive strength training exercise program in children with spinal muscular atrophy types II and III

<u>Aga Lewelt</u>, Greg Stoddard, Ed Gappamier, Robin Marcus, Kristin Krosschell, Donata Trussell, Janine Wood, Mei Xue, Philippe Lopes, Andrea White, Elie Elovic, Robert Lane, John Carey, Kathryn Swoboda (USA)

Unilateral botulinum neurotoxin injections and self-rehabilitation in spastic paraparesis

Ranim Chahrour, Salem Al Kandari, Nicolas Bayle, Leila Tlili, Catherine Loche, Jean-Michel Gracies (France)

Guidelines for air travel in the neuromuscular patient António Cunha, Sara Lorga (Portugal)

The effects of virtual reality compared to traditional rehabilitation on motor function after stroke

Paweł Kiper, Andrea Turolla, Michela Agostini, Simonetta Rossi, Paolo Tonin (Italy, Poland)

Disturbance comprehension of speech of patients after stroke Goran Savić, Amela Iriškić, Dijana Đurić (Bosnia & Herzegovina)

The effect of dry needling in the treatment of myofacial pain syndrome

Levent Tekin, Selim Akarsu, Oğuz Durmuş, Ümit Dinçer, Engin Çakar, Mehmet Zeki Kıralp (Turkey)

Chair Alain Yelnik (France)

Konstantinos Athanasopoulos (Hellas)

LECTURE How to say what no one wants to hear

08:30-09:00 Aikaterini Kotroni (Hellas)

ORAL PRESENTATIONS OP 34

Use of botulinum toxin in facial palsy with epifora

Mireia Garcia Gutierrez, Josefina Junyent Pares, Caribay Vargas Reveron, Viviana Galvis Gomez (Spain)

Treatment of postural instability in atypical Parkinsonism

Raoul Saggini, Rosa Grazia Bellomo, Pierpaolo Iodice, Laura Di Pancrazio (Italy)

Motor strengthening and botulinum toxin type a injected in one agonist only in the treatment of disabling essential or cerebellar hand tremor

Leila Tlili, Nicolas Bayle, Jean Michel Gracies (France)

Effects of balneotherapy on affected shoulder after stroke

Gordana Stefanovski, Tatjana Erceg, Mihajlo Stefanovski (Bosnia & Herzegovina)

09:00-10:30 Navigated brain stimulation (NBS) in the rehabilitation of patients after stroke

<u>Irina Sidyakina</u>, Daniil Degterev, Tatiana Baydova, Vadim Ivanov, Tatiana Shapovalenko, Konstantin Lyadov (Russia)

Functional impact of the 25 oh vitamin d deficiency for stroke patients

<u>Bertrand Glize</u>, Véronique Cressot, Claire Delleci, Maxime Bobin, Amandine Nozères, Pierre-Alain Joseph, Patrick Dehail (France)

The effects of explicit instruction on visuomotor adaptation for the elderly

Shao-Ying Liang, Hsin-Wei Chen, Jeng-Feng Yang (Taiwan)

Polyostotic fibrous dysplasia: a case report

<u>Eleftherios Stefas</u>, Vasilios Tragoulias, Triantafyllos Georgiadis, Christos Gartzios, George Stamatakis, Maria Papastefanou, Nikolaos Groumas (Hellas)

Effectiveness of serial casting in treating knee flexion contractures in children with spinal bifida: a randomized control study

Saleh Al-Oraibi (Saudi Arabia)

Chair Alessandro Giustini (Italy)
Despoina Psillaki (Hellas)

LECTURE Heterotopic ossification: the beginning, the middle, the end?

08:30-09:00 Georgios Vasileiadis (Hellas)

ORAL PRESENTATIONS
OP 35

Intradetrusor injection with botulinum toxin type a (BTX-A): our experience

<u>Ana Mª Balado López</u>, María Vázquez Guimaraens, Antonio Montoto Marqués, Javier Sánchez Losada (Spain)

Measurement of concordance between clinical components of the Upper Motor Neuron Syndrome: analysis in a sample of 36 spinal cord injury patients

<u>João Amaro</u>, Sílvio Carvalho, Nuno Roriz, Maria João Andrade (Portugal)

Management of spasticity with phenol and alcohol block

<u>Revelino Lopes, Joana Costa, Fernando Monteiro, Miguel Costa, Rui Sales Marques, Carlos Machado (Portugal)</u>

Treatment of chronic pressure sores with non-adherent hydro-alginate antimicrobial dressing with silver in patients with post traumatic paraplegia

Sonia Cremascoli, Gabriella Fizzotti, Caterina Pistarini (Italy)

09:00-10:30

Surgical treatment of pressure ulcers in patients with spinal cord disease – case review between January 2009 and December 2011

Fernando Fonseca, Maria da Paz Carvalho, Glória Batista (Portugal)

Association of organizational characteristics with length of stay and discharge destination in geriatric rehabilitation

Marije Holstege, <u>Ineke Zekveld</u>, Peter Bob Peerenboom, Romke van Balen, Jacobij<mark>n Guss</mark>ekloo, Wilco Achterberg (The Netherlands)

Management of spinal cord injuries in Thessaloniki – from current reality to future science & art

Anestis Divanoglou, Richard Levi (Sweden)

Evidence based rehabilitation in Saudi Arabia

Abdulhamid Hamad (Saudi Arabia)

Custom-made orthopedic shoes: long-term improvement of gait in a patient with degenerative Charcot-Marie-Tooth (CMT) disease: a 7-year follow-up. A case study <u>Efstathia Theodoridou</u>, Marie-Caroline Guzian, Laurent Bensoussan, Jean-Michel Viton, Virginie De Bovis Milhe, José Ramon, Alain Delarque (France)

10:30-11:00 **Coffee break**

Chair Andre Bardot (France)
Aikaterini Kotroni (Hellas)

LECTURE Rehabilitation in osteoporosis
11:00-11:30 *Yannis Dionysiotis (Hellas)*

ORAL PRESENTATIONS OP 37

The importance of the program for the promotion of physical activity in perceived fatigue in people with multiple sclerosis

Luísa Pedro, José Pais - Ribeiro, João Páscoa Pinheiro (Portugal)

Comparison of anterior and posterior AFO in foot drop patients using metabolic and gait analysis

Harleen Uppal, Gita Handa, Upinderpal Singh, Sanjay Wadhwa, Shivlal Yadav, Ravindra Pandey (India)

"Moving" between knee-ankle-foot and ankle-foot orthoses in hemiplegia

<u>George Marinakis</u>, Nicolaos Ananidis, Nicolaos Groumas, Christos Christogeorgos, Stelios Vassalos, Marina Vassalou (Hellas)

11:30-13:00 Bone health in multiple sclerosis

<u>Maria Micha</u>, Aggeliki Stavrianou, Konstantinos Athanasopoulos, Maria Mermikli, Prokopis Manthos, George Siamos, Themis Petsepes, George Neohoritis, Konstandina Petropoulou (Hellas)

The effect of group exercise on bone mineral density in post menopausal women: a randomized controlled trial

<u>Ardiana Murtezani</u>, Vjollca Sahatciu Meka , Vlore Hysenaj, Vale Hysenaj, Nerimane Abazi, Fatime Haxholli (Kosovo)

Fall injuries, hip fractures and patient's age

Atzmon Tsur, Arkadi Galin, Nail Shakeer, Dana Iluse, Dorit Itah, Zvi Segal (Israel)

Application of pulsed magnetotherapy in early recovery period after abdominal opeartions on the removal of malignant neoplasms

<u>Natalya Saltynskaya,</u> Tatiana Kolegan<mark>o</mark>va, Elena Pin<mark>tus,</mark> Tatiana Shapovalenko, Vladimir Lyadov, Konstantin Lyadov (Russia)

The effect of step aerobics on physical fitness and fear of falling in community-dwelling older adults

Fang-Yi Chen, Chia-Sui Lin, Chiung-Yu Cho (Taiwan)

EDUCATIONAL COURSE "MANAGEMENT OF DYSPHAGIA"

Moderator Anatoli Pataridou (Hellas)

Bedside swallowing evaluation

09:00-10:30 Patricia Giannika (Hellas)

Fiberoptic Endoscopic evaluation of swallowing

Anatoli Pataridou (Hellas)

10:30-11:00 Coffee break

Videofluoroscopic Swallow Study

Loukas Dagdilelis (Hellas)

11:00-13:00 Evaluation and management of post-ICU patients

Maria Kynigou (Hellas)

Assessment and management of dysphagic patients in the rehabilitation setting

Chrysanthi Ntasiopoulou (Hellas)

WORKSHOP

"Introduction to Lumbar Spinal Procedures"

SESSION 1: Theoretical Part on Lumbar Spine Pathology & Interventions

Welcome and Introduction to the Program: Goals of the Course

08:30-10:30 Fluoroscopic Anatomy & Lumbar Spine Pathology: Common Diagnoses

Steven Stanos (USA)

Spinal Intervention Injectable Materials, Radiation Safety, and Complications Christopher Plastaras (USA)

Spinal Intervention Procedures & Indications – Interlaminar & Transforaminal Epidurals
Christopher Plastaras (USA)

10:30-11:00 Coffee break

Spinal Intervention Procedures & Indications – Zygapophysial Joint, Medial Branch, Sacroiliac Joint Steven Stanos (USA)

11:00-13:00 Spinal Intervention Procedures & Indications – Lumbar Radiofrequency Ablation Dimitrios Papadopoulos (Hellas)

Questions & Answers

The Panel

SESSION 2: Hands on practice

The Session 2 of this workshop will take place at "Euromedica" General Hospital of Thessaloniki. There will be 4 groups of 7 participants each.

Group 1 & 3 15:00-17:00

- Bevel Control & Lumbar Medial Branch Block Needle Placement
- 5:00-17:00 Lumbar Interlaminar Needle Placement on Anatomic Model
 - · Lumbar Transforaminal Needle Placement on Anatomic Model

Group 2 & 4

- Lumbar Zygapophysial Joint Needle Placement on Anatomic Model
- 17:30-19:30 Lumbar Medial Branch Radiofrequency Ablation Needle Placement on Anatomic Model

ACKNOWLEDGEMENTS

We would like to express our thanks to the Pharmaceutical and Equipment Industry for their support, to the dedicated staff of Goldair Congress Organizing Company, as well as to our colleagues, friends and families.

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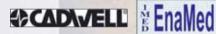


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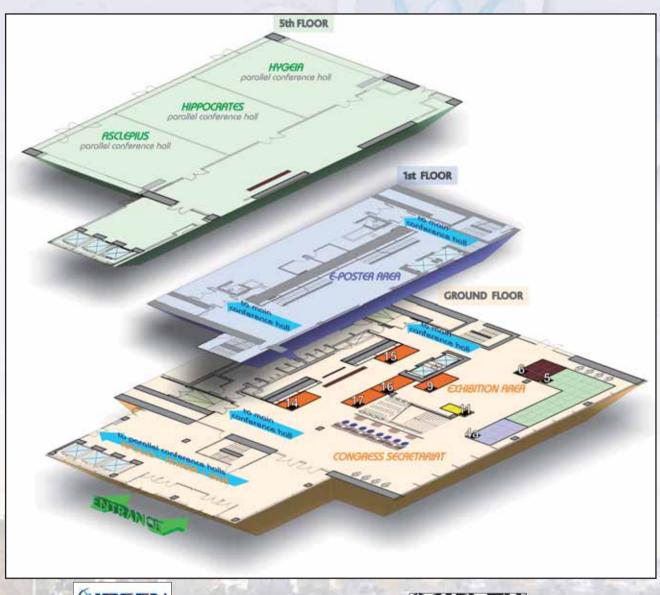


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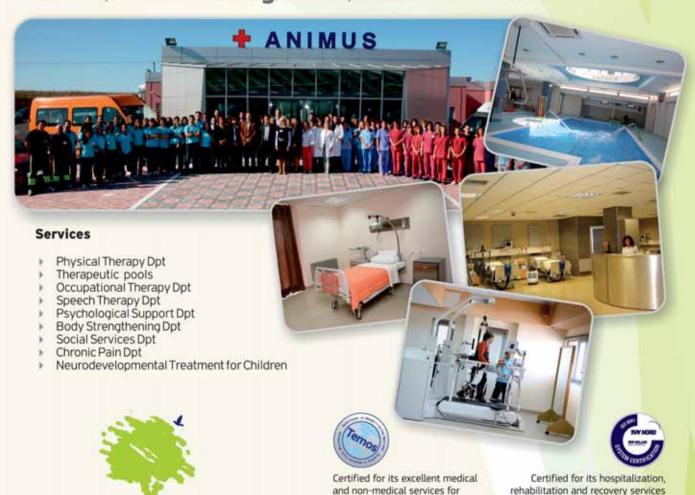
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