16th European Congress of Physical and Rehabilitation Medicine

“From Cell to Society”

Congress President
Prof. Dr. Guy Vanderstraeten

Tuesday June 3 - Friday June 6, 2008
Brugge, Belgium

Organised by the
European Society of Physical and Rehabilitation Medicine (ESPRM)
and the
Royal Belgian Society of Physical and Rehabilitation Medicine (RBSPRM)

In collaboration with the
UEMS, Physical and Rehabilitation Medicine Section and European Board
International Society of Physical and Rehabilitation Medicine (ISPRM)
Académie Européenne de Médecine de Réadaptation
American Academy of Physical Medicine and Rehabilitation (AAPM&R)
French (SOFMER) and Italian (SIMFER) Societies of PM & R

www.ecprm2008.org

FINAL PROGRAMME
Table of Contents

The President’s Welcome ........................................................................ 5
Participating Societies, European Scientific Committee, Abstract Chair .......... 6
Executive Committee of the ESPRM ......................................................... 7
Board of the RBSPRM, UEMS – Section of Physical and Rehabilitation Medicine .... 8
European Academy of Rehabilitation Medicine, ISPRM .............................. 9
Local Organising Committee, Organisation ............................................ 10
Floor Plan of the Venue ......................................................................... 11
Programme at a Glance ......................................................................... 12
Closed Meetings at the ‘Provinciale Hof’ .................................................. 16
Pre-Congress Courses
  Ultrasonography of the Musculoskeletal System ...................................... 18
  Vocational Rehabilitation ...................................................................... 20
Opening Ceremony .................................................................................. 24
Scientific Programme
  Wednesday 4 June .............................................................................. 27
  Thursday 5 June .................................................................................. 45
  Friday 6 June ..................................................................................... 61
Closing Ceremony .................................................................................... 77
Poster List
  Wednesday 4 June .............................................................................. 79
  Thursday 5 June ................................................................................ 89
  Friday 6 June ..................................................................................... 101
Sponsors
  Exhibition Floor Plan ......................................................................... 116
  List of Exhibitors ............................................................................... 117
General Information
  Social Activities ................................................................................ 120
  Registration Fees ............................................................................... 121
  Partners’ Programme ......................................................................... 123
  Awards .............................................................................................. 124
  General Information ......................................................................... 125
  The city of Brugge ........................................................................... 127
Dear Colleagues,

I am very pleased to present this programme book of the 16th European Congress of Physical and Rehabilitation Medicine taking place in Bruges, Belgium from 3 to 6 June, 2008.

We are very happy with all the abstracts we received in the preparation of the Congress. These have been published in a supplement of the Journal of Rehabilitation Medicine. I thank Edizioni Minerva Medica to have given the authors the opportunity to publish their full papers in the Proceedings Book. Many abstracts were submitted from outside Europe indicating an international impact on the European Congress. Thus, we can proudly announce: ‘The European Congress goes International’.

The Congress covers all fields of Physical and Rehabilitation Medicine with a special focus on the ICF concept leading to the theme of the Congress: ‘From Cell to Society’. Neurological and Locomotor Rehabilitation run through the Congress like a continuous thread.

I would like to express my gratitude to the European Scientific Committee who prepared the topics of the various sessions. Thanks to them we can offer you an interesting, balanced Congress programme.

This 16th edition is organised by the Royal Belgian Society of Physical and Rehabilitation Medicine (RBSPRM) and the European Society of Physical and Rehabilitation Medicine (ESPRM) in collaboration with the European Union of Medical Specialists (UEMS) - Section and Board - and the International Society of Physical and Rehabilitation Medicine (ISPRM).

I am very pleased with the huge contribution of the UEMS Section and Board with topics on training and education, field of competence and quality of care. I would like to thank the Federation of European Ergonomic Societies for their cooperation in the pre-congress symposium: ‘Where Ergonomics meet Rehabilitation Medicine’.

I am also very proud that the American Academy of Physical Medicine and Rehabilitation (AAPM&R), the French (SOFMER) and Italian Societies on PM&R (SIMFER), and the European School of Marseille have joined us and organise some very interesting sessions during this Congress. I also thank the other participating Societies: ISPAPF, SOSORT and the Journal of Rehabilitation Medicine.

Additionally, I would like to express my gratitude to our sponsors, and to our Major Sponsors, Allergan and Medtronic in particular. Without them it would not be possible to organise a European Congress of Physical and Rehabilitation Medicine with such an outstanding programme.

Sincerely yours,

Guy G. Vanderstraeten, M.D., Ph.D.
Congress President
16th European Congress of Physical and Rehabilitation Medicine
Brugge, Belgium
**Participating Societies**

European Society of Physical and Rehabilitation Medicine (ESPRM)  
UEMS section of Physical and Rehabilitation Medicine  
European Board of Physical and Rehabilitation Medicine  
Académie Européenne de Médecine de Réadaptation  
International Society of Physical and Rehabilitation Medicine (ISPRM)  
American Academy of Physical Medicine and Rehabilitation (AAPM&R)  
Royal Belgian Society of Physical and Rehabilitation Medicine (RBSPRM)  
European School of Marseille with the Association of Academic Physiatrists  
Société Française de Médecine Physique et de Réadaptation (SOFMER)  
Societa Italiana di Medicina Fisica e Riabilitativa (SIMFER)  
Foundation for Rehabilitation Information  
International Society of Physical Activity in the Prevention of Osteoporosis Falls and Fractures (ISPAPOFF)  
Society on Scoliosis Orthopaedic and Rehabilitation Treatment (SOSORT)

**European Scientific Committee**

Guy Vanderstraeten  
Jørgen Borg  
Alain Delarque  
Franco Franchignoni  
Christoph Gutenbrunner  
Bengt Sjölund  
Gerold Stucki

**Abstract Chair**

Franco Franchignoni, President
### Executive Committee of the European Society of Physical and Rehabilitation Medicine

Alessandro Giustini, *President*
Henk Stam, *Past President*
Elena Ilieva, *Secretary General*
Sasa Moslavac, *Vice Secretary*
Christoph Gutenbrunner
Alain Delarque
Pedro Cantista

### Delegates

<table>
<thead>
<tr>
<th>Delegates</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Veronika Fialka-Moser, Austria</td>
<td>Austria</td>
</tr>
<tr>
<td>Michael Quittan, Austria</td>
<td>Austria</td>
</tr>
<tr>
<td>Thierry Lejeune, Belgium</td>
<td>Belgium</td>
</tr>
<tr>
<td>Guy Vanderstraeten, Belgium</td>
<td>Belgium</td>
</tr>
<tr>
<td>Elena Ilieva, Bulgaria</td>
<td>Bulgaria</td>
</tr>
<tr>
<td>Todor Todoroff, Bulgaria</td>
<td>Bulgaria</td>
</tr>
<tr>
<td>Katarina Sekelj-kauzlaric, Croatia</td>
<td>Croatia</td>
</tr>
<tr>
<td>Nicolas Christodoulou, Cyprus</td>
<td>Cyprus</td>
</tr>
<tr>
<td>Jiri Votava, Czech Republic</td>
<td>Czech Republic</td>
</tr>
<tr>
<td>Kristian Borg, Denmark</td>
<td>Denmark</td>
</tr>
<tr>
<td>Lisbeth Krohn, Denmark</td>
<td>Denmark</td>
</tr>
<tr>
<td>Tarum Matti, Estonia</td>
<td>Estonia</td>
</tr>
<tr>
<td>Eero Kyllonen, Finland</td>
<td>Finland</td>
</tr>
<tr>
<td>Alain Delarque, France</td>
<td>France</td>
</tr>
<tr>
<td>Jacques Pélissier, France</td>
<td>France</td>
</tr>
<tr>
<td>Christoph Gutenbrunner, Germany</td>
<td>Germany</td>
</tr>
<tr>
<td>Gerold Stucki, German</td>
<td>Germany</td>
</tr>
<tr>
<td>Xanthi Michail, Greece</td>
<td>Greece</td>
</tr>
<tr>
<td>Kyriaki Stathi, Greece</td>
<td>Greece</td>
</tr>
<tr>
<td>Mariamthi Tzara, Greece</td>
<td>Greece</td>
</tr>
<tr>
<td>Tamas Bender, Hungary</td>
<td>Hungary</td>
</tr>
<tr>
<td>Lajos Kullmann, Hungary</td>
<td>Hungary</td>
</tr>
<tr>
<td>Mark Delargy, Ireland</td>
<td>Ireland</td>
</tr>
<tr>
<td>Angela McNamara, Ireland</td>
<td>Ireland</td>
</tr>
<tr>
<td>Franco Franchignoni, Italy</td>
<td>Italy</td>
</tr>
<tr>
<td>Aivars Vetra, Latvia</td>
<td>Latvia</td>
</tr>
<tr>
<td>Anita Vetra, Latvia</td>
<td>Latvia</td>
</tr>
<tr>
<td>Alyda Juocevicius, Lithuania</td>
<td>Lithuania</td>
</tr>
<tr>
<td>Hildegun Snekkevik, Norway</td>
<td>Norway</td>
</tr>
<tr>
<td>Pedro Cantista, Portugal</td>
<td>Portugal</td>
</tr>
<tr>
<td>Fernando Parada Pereira, Portugal</td>
<td>Portugal</td>
</tr>
<tr>
<td>Mihai Berteanu, Romania</td>
<td>Romania</td>
</tr>
<tr>
<td>Liviu Pop, Romania</td>
<td>Romania</td>
</tr>
<tr>
<td>Gordana Devecerski, Serbia</td>
<td>Serbia</td>
</tr>
<tr>
<td>Hermina Damjan, Slovenia</td>
<td>Slovenia</td>
</tr>
<tr>
<td>Turk Zmago, Slovenia</td>
<td>Slovenia</td>
</tr>
<tr>
<td>Susana Munoz, Spain</td>
<td>Spain</td>
</tr>
<tr>
<td>Raquel Valero, Spain</td>
<td>Spain</td>
</tr>
<tr>
<td>Enrique Varela, Spain</td>
<td>Spain</td>
</tr>
<tr>
<td>Jürgen Borg, Sweden</td>
<td>Sweden</td>
</tr>
<tr>
<td>Bengt Sjölund, Sweden</td>
<td>Sweden</td>
</tr>
<tr>
<td>Rolf Frischknecht, Switzerland</td>
<td>Switzerland</td>
</tr>
<tr>
<td>Daniel Uebelhart, Switzerland</td>
<td>Switzerland</td>
</tr>
<tr>
<td>Henk Stam, The Netherlands</td>
<td>The Netherlands</td>
</tr>
<tr>
<td>Martinus Terburg, The Netherlands</td>
<td>The Netherlands</td>
</tr>
<tr>
<td>Zafer Hasçelik, Turkey</td>
<td>Turkey</td>
</tr>
<tr>
<td>Levent Özçakar, Turkey</td>
<td>Turkey</td>
</tr>
<tr>
<td>D.Lindsay McLellan, United Kingdom</td>
<td>United Kingdom</td>
</tr>
<tr>
<td>Anthony Ward, United Kingdom</td>
<td>United Kingdom</td>
</tr>
</tbody>
</table>
Board of the Royal Belgian Society of Physical and Rehabilitation Medicine (RBSPRM)

Henri Nielens, President
Philippe Hanson, Secretary General
Guy Vanderstraeten, Vice-President
Jean-Michel Crielaard, Vice-President
Hilde Beyens, Treasurer
Thierry Deltombe
Martine De Muynck
Marguerite Foidart-Dessalle
Valérie Gangji
Thierry Lejeune
Kristine Oostra
Koen Peers
Gaëtane Stassijns
Caroline Van Laere
Peter Van Wambeke
Bernard Zeevaert

European Union of Medical Specialists (UEMS) - Section of Physical and Rehabilitation Medicine

Alain Delarque, President
Nicolas Christodoulou, Secretary-General
Xanthi Michail, President of the European Board

Delegates

Veronika Fialka-Moser, Austria
Thierry Lejeune, Belgium
Guy Vanderstraeten, Belgium
Sasa Moslavac, Croatia
Katarina Sekelj-Kauzlaric, Croatia
Nicolas Christodoulou, Cyprus
Jiri Votava, Czech Republic
Lisbeth Krohn, Denmark
Hilsen Venlig, Denmark
Varje Rin Tuuilikleisi, Estonia
Leena Kauppila, Finland
Eero Kyllönen, Finland
Jouko Salminen, Finland
Georges De Korvin, France
Alain Delarque, France
Christoph Gutenbrunner, Germany
Xanthi Michail, Greece
Marianthi Tzara, Greece
Tamas Bender, Hungary
Lajos Kullmann, Hungary
Gisli Einarsson, Iceland
Mark Delargy, Ireland
Angela McNamara, Ireland
Franco Franchignoni, Italy
Alessandro Giustini, Italy
Anita Vetra, Latvia
Aivars Vetra, Latvia
Alvydas Juocevicius, Lithuania
Aleksandras Krisciunas, Lithuania
Marguerite Leches, Luxemburg
Einar Einarsson, Norway
Hildegun Snekkevik, Norway
Jerzy Kiwerski, Poland
Kwolek, Poland
Pedro Cantista, Portugal
Fernando Parada Pereira, Portugal
Mihai Berteau, Romania
Gordona Devecerski, Serbia-Montenegro
Hermina Damjan, Slovenia
Crt Marincek, Slovenia
Susana Munoz, Spain
Luis Pablo Rodriguez, Spain
Jörgen Borg, Sweden
Bengt Sjölund, Sweden
Rolf Frischknecht, Switzerland
Daniel Uebelhardt, Switzerland
Henk J. Stam, The Netherlands
Martinus Terburg, The Netherlands
Fitnat Dinçer, Turkey
Zafer Hasçelik, Turkey
Vera Neumann, United Kingdom
Anthony B. Ward, United Kingdom
European Academy of Rehabilitation Medicine

Gustaaaf J. Lankhorst, President
Guy G. Vanderstraeten, Vice-President
Jean-Pierre Didier, Secretary
Charles Gobelet, Treasurer

Members

Veronika Fialka-Moser, Austria
André Heilporn, Belgium
Guy Vanderstraeten, Belgium
Jordanka Gatcheva, Bulgaria
Bengt H. Sjölund, Denmark
Hannu Alaranta, Finland
Jean-Marie André, France
Michel Barat, France
André Bardot, France
Alain Delarque, France
Jean-Pierre Didier, France
Michel Eyssette, France
Robert Maigne, France
Amedeo Tonazzi, France
Eberhard Conradi, Germany
Hermann Delbrück, Germany
Karl-Heinz Mauritz, Germany
Fritz Oelze, Germany
Gerold Stucki, Germany
Xanthi Michail, Greece
Angela McNamara, Ireland
Carlo Bertolini, Italy
Franco Franchignoni, Italy
Gianfranco Megna, Italy
Crt Marincek, Slovenia
Joan García-Alsina, Spain
Luis-Pablo Rodriguez, Spain
Jan Ekholm, Sweden
Alex Chantraine, Switzerland
Charles Gobelet, Switzerland
Guido A. Zäch, Switzerland
Gustaaaf J. Lankhorst, The Netherlands
Hendrik Jan Stam, The Netherlands
M.Ph. Barnes, United Kingdom
M. Anne Chamberlain, United Kingdom
Wagih El Masry, United Kingdom
Lindsay McLellan, United Kingdom
Anthony Ward, United Kingdom

International Society of Physical and Rehabilitation Medicine (ISPRM)

President’s Cabinet
Chang-Il Park, President 2006-2008
Joel DeLisa, President 2008-2010
Linamara Battistella, Past President
Gerold Stucki, Vice-President
Leonard SW Li, Secretary
Martin Grabois, Treasurer
Jorge Lains, Assistant Secretary
John Olver, Assistant Treasurer
Haim Ring, Honorary President
John Melvin, Honorary President

Executive committee
Christoph Gutenbrunner, Regional Vice-President Europe
Joyce Bolanos de Rodriguez, Regional Vice-President Caribbean, Latin, Central America
Nachum Soroker, Regional Vice-President Africa & Middle East
Satochi Miyano, Regional Vice-President Asia & Pacific
Andrew Haig, Regional Vice-President North America & Canada
Alessandro Giustini, Representative Active Individual Members
Abdullah Eyadeh, Representative Active Individual Members
Jianan Li, Representative Active National Societies Members
Gulseren Akyuz, Representative Active National Societies Members
Local Organising Committee

Guy G. Vanderstraeten, Congress President
Martine De Muynck, Congress Secretary
Kristine Oostra
Thierry Parlevliet
Steven Rimbaut
Adelheid Steyaert
Luc Vanden Bossche
Catharine Vander Linden
Ruth Vander Looven
Sofie Vertriest
Annick Viaene
Koen Matthys, Trans European Scientific Contest (T.E.S.C.)

Organisation

Medicongress
Kloosterstraat 5
B-9960 Assenede, Belgium
Phone +32 (0)9 344 39 59 and +32 (0)9 218 85 85
Fax +32 (0)9 344 40 10
Email: congresses@medicongress.com

Medicongress also is the central office of the ISPRM (www.isprm.org).
<table>
<thead>
<tr>
<th>Time</th>
<th>Auditorium</th>
<th>Studio 1</th>
<th>Studio 2</th>
<th>Studio 3</th>
<th>Forum 6</th>
<th>Kamermuziekzaal</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30</td>
<td>Symposium</td>
<td>Vocational</td>
<td>Vocational</td>
<td>Vocational</td>
<td>Course</td>
<td>Musculoskeletal</td>
</tr>
<tr>
<td>9:00</td>
<td>Vocational</td>
<td>Rehabilitation</td>
<td>Rehabilitation</td>
<td>Rehabilitation</td>
<td>Forum</td>
<td>Musculoskeletal</td>
</tr>
<tr>
<td>9:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>Ultrasonography</td>
</tr>
<tr>
<td>10:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>Coffee Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00</td>
<td>Symposium</td>
<td>Vocational</td>
<td>Vocational</td>
<td>Vocational</td>
<td>Course</td>
<td>Musculoskeletal</td>
</tr>
<tr>
<td>11:30</td>
<td>Vocational</td>
<td>Rehabilitation</td>
<td>Rehabilitation</td>
<td>Rehabilitation</td>
<td>Forum</td>
<td>Musculoskeletal</td>
</tr>
<tr>
<td>12:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>Ultrasonography</td>
</tr>
<tr>
<td>12:30</td>
<td>Lunch Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:00</td>
<td>Vocational</td>
<td>Vocational</td>
<td>Vocational</td>
<td>Vocational</td>
<td>Course</td>
<td>Musculoskeletal</td>
</tr>
<tr>
<td>14:30</td>
<td>Vocational</td>
<td>Rehabilitation</td>
<td>Rehabilitation</td>
<td>Rehabilitation</td>
<td>Forum</td>
<td>Musculoskeletal</td>
</tr>
<tr>
<td>15:00</td>
<td>Vocational</td>
<td>Workshop 1</td>
<td>Workshop 2</td>
<td>Workshop 3</td>
<td>6</td>
<td>Ultrasonography</td>
</tr>
<tr>
<td>15:30</td>
<td>Coffee Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:00</td>
<td>Symposium</td>
<td>Vocational</td>
<td>Vocational</td>
<td>Vocational</td>
<td>Course</td>
<td>Musculoskeletal</td>
</tr>
<tr>
<td>16:30</td>
<td>Vocational</td>
<td>Rehabilitation</td>
<td>Rehabilitation</td>
<td>Rehabilitation</td>
<td>Forum</td>
<td>Musculoskeletal</td>
</tr>
<tr>
<td>18:00</td>
<td>Opening Ceremony</td>
<td>Opening Ceremony</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19:30</td>
<td>Welcome Reception</td>
<td>Welcome Reception</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Auditorium</td>
<td>Studio 1</td>
<td>Studio 2</td>
<td>Studio 3</td>
<td>Forum 6</td>
<td>Kamermuziekzaal</td>
</tr>
<tr>
<td>-------</td>
<td>-----------------------------</td>
<td>---------------------------</td>
<td>---------------------------</td>
<td>---------------------------</td>
<td>--------------------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td>8:30</td>
<td>Integration of ICF in Rehabilitation Management 1</td>
<td>Learning &amp; Neuroplasticity 1</td>
<td>PMR in Children 1</td>
<td>PMR &amp; Respiratory &amp; Cardiovascular Problems 1</td>
<td>ISPAPOFF The Immobile Patient</td>
<td>Workshop 9 Hand Rehabilitation</td>
</tr>
<tr>
<td>9:00</td>
<td>Integration of ICF in Rehabilitation Management 2</td>
<td>Learning &amp; Neuroplasticity 2</td>
<td>Therapies in PMR 1</td>
<td>PMR &amp; Respiratory &amp; Cardiovascular Problems 2</td>
<td>Foundation for Rehab. Information Evidence Based Rehabilitation</td>
<td>Workshop 4 Botulinum Toxin</td>
</tr>
<tr>
<td>10:00</td>
<td>Coffee Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00</td>
<td>Integration of ICF in Rehabilitation Management 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:30</td>
<td>Integration of ICF in Rehabilitation Management 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:00</td>
<td>Spasticity 1 SIMFER</td>
<td>SIMFER</td>
<td>Therapies in PMR 2</td>
<td>SOSORT</td>
<td>UEMS Education &amp; Training 1</td>
<td>Adult Locomotor System Pathology 1</td>
</tr>
<tr>
<td>12:30</td>
<td>Lunch Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:30</td>
<td>Spasticity 2 SIMFER</td>
<td>SIMFER</td>
<td>Therapies in PMR 3</td>
<td>PMR &amp; Respiratory &amp; Cardiovascular Problems 3</td>
<td>UEMS Education &amp; Training 2</td>
<td>Adult Locomotor System Pathology 2</td>
</tr>
<tr>
<td>14:30</td>
<td>Spasticity 2 SIMFER</td>
<td>SIMFER</td>
<td>Therapies in PMR 3</td>
<td>PMR &amp; Respiratory &amp; Cardiovascular Problems 3</td>
<td>UEMS Education &amp; Training 2</td>
<td>Adult Locomotor System Pathology 2</td>
</tr>
<tr>
<td>15:30</td>
<td>Coffee Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:00</td>
<td>Spasticity 2 SIMFER</td>
<td>SIMFER</td>
<td>Therapies in PMR 3</td>
<td>PMR &amp; Respiratory &amp; Cardiovascular Problems 3</td>
<td>UEMS Education &amp; Training 2</td>
<td>Adult Locomotor System Pathology 2</td>
</tr>
<tr>
<td>17:30</td>
<td>Spasticity 2 SIMFER</td>
<td>SIMFER</td>
<td>Therapies in PMR 3</td>
<td>PMR &amp; Respiratory &amp; Cardiovascular Problems 3</td>
<td>UEMS Education &amp; Training 2</td>
<td>Adult Locomotor System Pathology 2</td>
</tr>
<tr>
<td>19:00</td>
<td>Guided tour Brugge</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Auditorium</td>
<td>Studio 1</td>
<td>Studio 2</td>
<td>Studio 3</td>
<td>Forum 6</td>
<td>Kamermuziekzaal</td>
</tr>
<tr>
<td>-------</td>
<td>-----------------------------</td>
<td>---------------------------</td>
<td>---------------------------</td>
<td>---------------------------</td>
<td>--------------------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>8:30</td>
<td>Amputation &amp; Prosthetics 1</td>
<td>American Academy of PM&amp;R</td>
<td>Clinical &amp; Functional Assessment 1</td>
<td>European School Marseille &amp; Assoc. Acad. Psychiatrists 1</td>
<td>Acute Rehabilitation 1</td>
<td>Workshop 6 ITB Case Studies</td>
</tr>
<tr>
<td>9:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td></td>
<td></td>
<td>Coffee Break offered by GSK</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00</td>
<td>Amputation &amp; Prosthetics 2</td>
<td>Low Back Pain 1</td>
<td>Clinical &amp; Functional Assessment 2</td>
<td>European School Marseille &amp; Assoc. Acad. Psychiatrists 2</td>
<td>Acute Rehabilitation 2</td>
<td>Workshop 7 ITB Hands-On</td>
</tr>
<tr>
<td>11:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:00</td>
<td>Management of Chronic Pain 1</td>
<td>Low Back Pain 2</td>
<td>Clinical &amp; Functional Assessment 3</td>
<td>Miscellaneous 1</td>
<td>SOFMER 1</td>
<td>PRM &amp; Sports 1</td>
</tr>
<tr>
<td>14:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:30</td>
<td></td>
<td></td>
<td>Coffee Break</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:00</td>
<td>Management of Chronic Pain 2</td>
<td>Low Back Pain 3</td>
<td>Amputation &amp; Prosthetics 3</td>
<td>Miscellaneous 2</td>
<td>SOFMER 2</td>
<td>PRM &amp; Sports 2</td>
</tr>
<tr>
<td>17:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Belgian Night at the Belfry</td>
</tr>
</tbody>
</table>

Thursday, June 5

Coffee Break offered by GSK

Congress Jogging

Lunch Break

Coffee Break
<table>
<thead>
<tr>
<th>Time</th>
<th>Auditorium</th>
<th>Studio 1</th>
<th>Studio 2</th>
<th>Studio 3</th>
<th>Forum 6</th>
<th>Kamermuziekzaal</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30</td>
<td>Sports in the Elderly 1</td>
<td>UEMS</td>
<td>Workshop 1 EMG General</td>
<td>Miscellaneous 3</td>
<td>Neurological Impairments 1</td>
<td>Oncology Rehabilitation</td>
</tr>
<tr>
<td>9:30</td>
<td>UEMS Field of Competence 1</td>
<td>Workshop 2 EMG Diaphragma</td>
<td>Workshop 3 EMG Facial Nerve</td>
<td>Neurological Impairments 2</td>
<td>TESC Award Session</td>
<td></td>
</tr>
<tr>
<td>10:00</td>
<td>Coffee Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>Sports in the Elderly 2</td>
<td>UEMS Field of Competence 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00</td>
<td>Elderly 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:30</td>
<td>Elderly 2</td>
<td></td>
<td>Workshop 3 EMG Facial Nerve</td>
<td>Neurological Impairments 2</td>
<td>TESC Award Session</td>
<td></td>
</tr>
<tr>
<td>12:00</td>
<td>Lunch Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:30</td>
<td>Urological and Sexual Problems 1</td>
<td>UEMS Quality of Care 1</td>
<td>Workshop 8 Infiltration</td>
<td>Spasticity 3</td>
<td>Neurological Impairments 3</td>
<td>Workshop 10 Scoliosis</td>
</tr>
<tr>
<td>14:30</td>
<td>Urological and Sexual Problems 1</td>
<td>UEMS Quality of Care 1</td>
<td>Workshop 8 Infiltration</td>
<td>Spasticity 3</td>
<td>Neurological Impairments 3</td>
<td>Workshop 10 Scoliosis</td>
</tr>
<tr>
<td>15:00</td>
<td>Coffee Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:00</td>
<td>Urological and Sexual Problems 2</td>
<td>UEMS Quality of Care 2</td>
<td>Workshop 5 ESWT</td>
<td>Spasticity 4</td>
<td>Neurological Impairments 4</td>
<td>Workshop 11 Foot Pressure Measurement</td>
</tr>
<tr>
<td>16:30</td>
<td>Urological and Sexual Problems 2</td>
<td>UEMS Quality of Care 2</td>
<td>Workshop 5 ESWT</td>
<td>Spasticity 4</td>
<td>Neurological Impairments 4</td>
<td>Workshop 11 Foot Pressure Measurement</td>
</tr>
<tr>
<td>17:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18:00</td>
<td>Closing Ceremony</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CLOSED MEETINGS AT THE ‘PROVINCIALE HOF’
(on invitation only)

**Tuesday 3 June, 2008**

09.00 – 11.00 ISPRM President’s Cabinet
11.00 – 13.00 ISPRM Executive Committee
13.30 – 16.00 ISPRM Board of Governors – Part 1

**Wednesday 4 June, 2008**

08.30 – 12.00 ESPRM Executive Committee

**Thursday 5 June, 2008**

08.30 – 12.00 ESPRM Board of Governors
13.30 – 17.30 ESPRM Assembly of Individual Members

**Friday 6 June, 2008**

12.30 – 17.30 ISPRM Board of Governors – Part 2
PRE-CONGRESS COURSES
PRE-Congress Hands-on Beginners Course:
Ultrasoundography of the Musculoskeletal System

Teachers: De Muynck M. (BE), Özçakar L. (TR), Vanden Bossche L. (BE), Parlevliet T. (BE), Luypaert E. (BE)

After this pre-congress beginners course, the participants should be able to visualize basic anatomical structures themselves and recognize simple common pathologies in PMR and sports medicine. The first day will be devoted to the examination of shoulder (morning), hip and knee (afternoon). An experienced sonographer will first demonstrate the examination of the normal joint. Participants will then perform ultrasound themselves under the supervision of 5 teachers. Each session will be concluded by a lecture on common pathologies of the joint and the periarticular soft tissues.

**Shoulder, Hip, Knee**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.00</td>
<td>Short technical introduction, normal shoulder - demo</td>
</tr>
<tr>
<td>09.00</td>
<td>Practice shoulder</td>
</tr>
<tr>
<td>11.30</td>
<td>Lecture on shoulder pathology</td>
</tr>
<tr>
<td>12.00</td>
<td>Lunch Break</td>
</tr>
<tr>
<td>13.30</td>
<td>Normal hip, knee - demo</td>
</tr>
<tr>
<td>14.30</td>
<td>Practice hip, knee</td>
</tr>
<tr>
<td>17.30</td>
<td>Lecture on hip, knee pathology</td>
</tr>
</tbody>
</table>

**FORUM 6**

...
PRE-CONGRESS HANDS-ON BEGINNERS COURSE:
ULTRASONOGRAPHY OF THE MUSCULOSKELETAL SYSTEM

Teachers: De Muynck M. (BE), Özçakar L. (TR), Vanden Bossche L. (BE), Parlevliet T. (BE), Luypaert E. (BE)

The second day, elbow/wrist/hand (morning) and ankle/foot (afternoon) will be treated in the same way. A closing lecture will be dedicated to the pathologies of muscles, tendons and nerves and to expected evolutions in the near future.

ELBOW AND WRISTS, ANKLE, FOOT AND NERVES

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.00</td>
<td>Normal elbow and wrist - demo</td>
</tr>
<tr>
<td>09.00</td>
<td>Practice elbow, wrist</td>
</tr>
<tr>
<td>11.30</td>
<td>Lecture on muscles, tendons, nerves pathology</td>
</tr>
<tr>
<td>12.00</td>
<td>Lunch Break</td>
</tr>
<tr>
<td>13.30</td>
<td>Normal ankle, foot - demo</td>
</tr>
<tr>
<td>14.30</td>
<td>Practice ankle, foot</td>
</tr>
<tr>
<td>17.00</td>
<td>Lecture on other pathologies (tumors…), infiltrations, future</td>
</tr>
</tbody>
</table>
STUDIO 1

TUESDAY 3 JUNE, 2008

PRE-CONGRESS SYMPOSIUM ON VOCATIONAL REHABILITATION: WHERE ERGONOMISTS MEET REHABILITATION MEDICINE

Chairs: Lankhorst G. (NL) and Vanwonterghem K. (TH)

08.30 The EU strategy for people with disabilities
  I1 Ten Geuzendam J. (NL)

09.00 DAR (Disability And Rehabilitation) WHO action plan 2006-11
  O1 Puglisi A. (CH)

09.30 European Trade Union: The link between ergonomists and physical medicine
  I2 Rehabilitation specialists in a worker-centered European perspective
      Gauthy R. (BE)

10.00 Where ergonomics meets rehabilitation: the Cergo – Mensana model
  I3 Maes C. (BE)

10.25 Coffee Break

11.00 A clinical view of risk factors for unemployment in those with disability
  I4 Ekholm J. (SE)

11.20 Work oriented assessment in locomotor disorders from the Swiss perspective
  I5 Oliveri M. (CH)

11.40 Improving return to work in EU – An example of work-related musculoskeletal disorders
  I6 Podniece Z. (ES)

12.00 Disability management – A global return-to-work-strategy
  O2 Mehrhoff F. (DE)

12.20 Discussion

12.35 Introduction to the afternoon workshops, goals of the workshops and procedures
      Maes C., Vanderstraeten G.G. (BE)

12.45 Lunch Break
WORKSHOP 1
PROS AND CONS OF DIFFERENT SOCIAL SECURITY SYSTEMS RELATED TO VOCATIONAL REHABILITATION

Chairs: Rookmaeker P. (President FEES)
Delarque A. (President of the UEMS - Section Physical and Rehabilitation Medicine)

14.00 Systems to aid people with illness/disabilities get back to work in the Scandinavian countries - good and bad points
Schüldt Ekholm K. (SE)

14.15 Comete France: Communication, environnement, tremplin pour l'emploi
Busnel M. (FR)

14.30 Vocational rehabilitation in the Swiss social insurance system – Suva’s solution
Morger W. (SE)

14.45 Vocational rehabilitation in the United Kingdom
Frank A.O. (GB)

15.00 Discussion and conclusion
Delarque A. (FR)

15.30 Coffee Break

WORKSHOP 2
THE MEETING OF ERGONOMICS AND REHABILITATION MEDICINE SPECIALISTS

Chairs: Duyvejonck R. (BE) and Vanwonterghem K. (TH)

14.00 Age trends in the need for recovery after work
Kiss P., De Meester M. (BE)

14.15 Keeping older people at work in Finland – Practices related to ergonomics and rehabilitation
Louhevaara V. (FI)

14.30 Ergonomics and rehabilitation: A UK perspective
Graveling R. (GB)

15.00 An Italian perspective on the relation between ergonomics and rehabilitation
Strambi F. (IT)

15.15 Discussion and conclusion
Duyvejonck R. (BE) and Vanwonterghem K. (TH)

15.30 Coffee Break
## WORKSHOP 3
### SUCCESSFUL PROJECTS IN VOCATIONAL REHABILITATION LEADING TO RETURN TO WORK

**Chairs:** Marincek C. (SI) and Poriau S. (BE)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.15</td>
<td><strong>The Torneo project for vocational rehabilitation of persons with acquired brain injury</strong>&lt;br&gt;Lannoo E., Brusselmans W. (BE)</td>
</tr>
<tr>
<td>14.30</td>
<td><strong>Vocational training and career guidance for people with disabilities and mental illness</strong>&lt;br&gt;The GOCI project&lt;br&gt;Reynaert W. (BE)</td>
</tr>
<tr>
<td>14.45</td>
<td><strong>A successful vocational rehabilitation system for those with traumatic brain injury</strong>&lt;br&gt;Tyerman A., Tyerman R. (GB)</td>
</tr>
<tr>
<td>15.00</td>
<td><strong>Discussion &amp; Conclusion</strong>&lt;br&gt;Summary of items responsible for good results &amp; Possibilities for further research&lt;br&gt;Marincek C. (SI) and Poriau S. (BE)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.30</td>
<td><strong>Coffee Break</strong></td>
</tr>
</tbody>
</table>

**STUDIO 1**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.00</td>
<td><strong>Report back to plenary session by the chairs</strong>&lt;br&gt;Delarque A. (FR), Van Wonterghem C. (TH) and Marincek C. (SI)</td>
</tr>
<tr>
<td>16.30</td>
<td><strong>Conclusions &amp; Guidelines for the future</strong>&lt;br&gt;Chamberlain A. (GB) and Fialka-Moser V. (AT)</td>
</tr>
<tr>
<td>17.00</td>
<td><strong>End of the Pre-Congress Symposium</strong></td>
</tr>
</tbody>
</table>
TUESDAY
3 JUNE, 2008
OPENING CEREMONY
16th European Congress of Physical and Rehabilitation Medicine
‘From Cell to Society’

OPENING CEREMONY

18.00 Welcome Address by the President of the Congress
   Vanderstraeten G.G. (BE)

18.05 Welcome Address by the President of the European Society of PRM
   Giustini A. (IT)

18.15 Welcome Address by the President of the UEMS PMR Section
   Delarque A. (FR)

18.20 Welcome Address by the President of the European Board of PRM
   Michail X. (GR)

18.25 Musical Intermezzo by Panache

18.30 President of the European Academy of Rehabilitation Medicine
   Lankhorst G. (NL)

18.35 President of the Royal Belgian Society of Physical and Rehabilitation Medicine
   Nielens H. (BE)

18.40 President of the International Society of Physical and Rehabilitation Medicine
   DeLisa J. (US)

18.45 Secretary of the Union Européenne de Médecins Spécialistes UEMS
   Maillet B. (BE)

18.50 Musical Intermezzo by Panache

18.55 Keynote Lecture:
   ‘East meets West’ in Physical and Rehabilitation Medicine
   Li J. (CN)

19.10 Musical Intermezzo by Panache

19.15 Official Opening of the Congress
   Vanderstraeten G.G. (BE)
# INTEGRATION OF ICF IN REHABILITATION MANAGEMENT - Part 1

**Chairs:** Stucki G. (DE) and Sjölund B. (DK)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.30</td>
<td>WHO priorities for disability and rehabilitation</td>
</tr>
<tr>
<td>09.10</td>
<td>Current state of the application of the ICF in physical medicine and rehabilitation</td>
</tr>
<tr>
<td>09.50</td>
<td>From ICF core sets to ICF core measures</td>
</tr>
<tr>
<td>10.30</td>
<td>Coffee Break in the Exhibition Hall</td>
</tr>
</tbody>
</table>

# INTEGRATION OF ICF IN REHABILITATION MANAGEMENT - Part 2

**Chairs:** Stucki G. (DE) and Sjölund B. (DK)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.00</td>
<td>Application of the ICF in rehabilitation service management in Belgium</td>
</tr>
<tr>
<td>11.20</td>
<td>ICF based case studies in persons with spinal cord injury to illustrate the implementation of ICF tools in multidisciplinary rehabilitation management</td>
</tr>
<tr>
<td>11.40</td>
<td>Physical capacity evaluation in PMR or in patients with pain and chronic illnesses</td>
</tr>
<tr>
<td>12.00</td>
<td>Application of the ICF in a international classification system for physical therapy, occupational therapy and sports therapy interventions in SCI rehabilitation</td>
</tr>
<tr>
<td>12.30</td>
<td>Lunch Break in the Exhibition Hall</td>
</tr>
</tbody>
</table>
LEARNING AND NEUROPLASTICITY - Part 1

STUDIO 1
08.30 Training of working memory
I25 Dahlin E. (SE)
08.55 Involvement of transcortical pathways in the transmission of the hyperactive stretch reflex in patients with spasticity after stroke
Lindberg P. (SE)
09.20 Learning and re-learning of executive functions
I27 Olsson C. (SE)
09.45 A network approach to recovery
I28 Weiller C. (DE)
10.10 Neuroplasticity and chronic pain
I29 De Ridder D. (BE)
10.35 Coffee Break in the Exhibition Hall

LEARNING AND NEUROPLASTICITY - Part 2

STUDIO 1
11.00 The fearful brain
I30 Fredrikson M. (SE)
11.25 Mirror therapy: fMRI pilot study on mirror induced visual illusions
11.35 Effects of low-dose nicotine on neuronal oxidative stress status
O5 Ciobica A., Hritcu L., Artenie V., Padurariu M. (RO)
11.45 The pattern of brain activity in reaction to complex motor stimulation differs in multiple sclerosis and healthy
11.55 Good or bad recovery from aphasia: A PET longitudinal study to track its neural correlates
O7 de Boissezon X., Marie N., Castel-Lacanal E., Marque P., Puel M., Demonet J.F. (FR)
12.05 Paired associative stimulations of extensor wrist muscles in stroke patients
O8 Castel-Lacanal E., De Boissezon X., Simonetta-Moreau M., Marque P. (FR)
12.15 Motor cortical disinhibition during early and late recovery after stroke
O9 Adler M., Manganotti P., Zanette G.P., Smania N., Fiaschi A. (IT)
12.25 Lunch Break in the Exhibition Hall
CHILDREN - Part I

Chair: Muñoz S. (ES) and Dinçer F. (TR)

08.30 The impact of simulated weight gain on the energy cost of walking in cerebral palsy compared to normal children
O10 Plasschaert F., Jones K., Forward M. (BE)

08.40 Prospective long term follow up of continuous intrathecal baclofen in children and young adults with cerebral palsy and severe hypertonia
O11 Vander Linden C., Pauwels P., Ceulemans B., De Cat J., Baert E., Nuttin B., Van Havenbergh T., Uyttendaele D. (BE)

08.50 Animal assisted therapy in paediatrics
I31 Muñoz S.L. (ES)

09.00 Intensive therapy combined with aquatic exercise on bone density and motor ability in children with severe CP
O12 Rosulescu E., Zavaleanu M., Bistrițianu I., Oprescu A., Ilinca I. (RO)

09.10 Constraint – induced therapy for children with cerebral palsy: A preliminary report on study
O13 Damjan H., Groleger Sršen K., Pihlar Z., Korelc S., Brezovar D. (SI)

09.20 Assessment of executive functioning in children after traumatic brain injury using comparison of neuropsychological tests, behavioural measures and an interactive ecological measure: A pilot study

09.30 Training programs in children: A literature review
O15 Edouard P., Degache F., Gautheron V., Devillard X. (FR)

09.40 Graphomotor disorders in autistic children with normal intelligence
O16 Van Waelvelde H., Etienne S., Van Assche S., Debel N., De Mey B. (BE)

09.50 Proteus syndrome
O17 Tavares F., Pires M., Costa M. J. (PT)

10.00 Charcot-Marie-Tooth disease: A challenge in rehabilitation
O18 Francisco R., Pires M., Tavares F., Medeiros L.S., Marreiros H., Soudo A.P. (PT)

10.10 Measurement of CAMT caregiver confidence
O19 Bezručzko N., Hill C., Chesnike J., Chen S.P. (US)

10.20 Growth and development of psycho-behavioral disorders in children and teenagers (age 10-18)
O20 Nica A.S., Mologhianu G., Murgu A., Ionescu A., Dimulescu D., Chiriti G. (RO)

10.30 Coffee Break in the Exhibition Hall
### THERAPIES - Part 1

**Chairs:** Fialka-Moser V. (AT) and Vanderstraeten G.G. (BE)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.00</td>
<td>Exoskeletal functional electrical stimulation: The NESS L300 as a model for innovative technology</td>
<td>Ring H. (IL)</td>
</tr>
<tr>
<td>11.30</td>
<td>The effect of constraint-induced movement therapy for rehabilitation of lower limb function in stroke patients</td>
<td>Stock R., Mork P.J. (NO)</td>
</tr>
<tr>
<td>11.50</td>
<td>What is Bobath? A survey of UK stroke physiotherapists' perceptions of the content of the Bobath concept to treat postural control and mobility</td>
<td>Tyson S.F., Connell L.A., Busse M.E., Lennon S. (GB)</td>
</tr>
<tr>
<td>12.30</td>
<td>Lunch Break in the Exhibition Hall</td>
<td></td>
</tr>
</tbody>
</table>
CARDIO-RESPIRATORY PATHOLOGY - Part 1

Chairs: Stassjns G. (BE) and Michail X. (GR)

08.30 The effect of rehabilitation in patients with acute and subacute myocardial infarction
O27 Juocevicius A., Jurgeleviciene D., Misiukiene K., Rudys A., Grigaliuniene A. (LT)

08.50 Cardiovascular responses during knee extensor isokinetic strength testing in chronic heart failure patients
O28 Degache F., Roche F., Bernard P., Calmels P. (FR)

09.00 Endurance training increases aerobic capacity but does not affect isokinetic leg muscle strength in chronic heart failure
O29 Degache F., Calmels P., Garet M., Barthelemy J.C., Costes F., Roche F. (FR)

09.10 Combined endurance-resistance training versus endurance training in patients with chronic heart failure
O30 Beckers P., Denollet J., Possemiers N., Vrints C., Conraads V. (BE, NL)

09.20 Enhancement of isokinetic muscle strength with a combined training program in chronic heart failure
O31 Degache F., Calmels P., Garet M., Barthelemy J.C., Costes F., Roche F. (FR)

09.30 Reproducibility of the self-controlled six-minute walking test in heart failure patients
O32 Carvalho V.O., Guimaraes G.V., Bocchi E.A. (BR)

09.40 Effect of multi-disciplinary rehabilitation in heart failure patients
O33 Kutuzova A., Petrova N.N. (RU)

09.50 Psychometric properties of the German version of the MacNew heart disease quality of life questionnaire
O34 Gramm L., Meffert C., Farin E., Jaeckel W.H. (DE)

10.00 The effects of coenzyme Q10 in early rehabilitation after acute coronary syndrome

10.20 Ambulatory left ventricular assist devices: Outcomes of an inpatient rehabilitation program
O36 Bowman M., Faux S., Brooke K., Sun C., Wilson S. (AU)

10.30 Coffee Break in the Exhibition Hall
CARDIO-RESPIRATORY PATHOLOGY - Part 2

Chairs: Stassijns G. (BE) and Michail X. (GR)

11.00 Functional claudication distance: A reliable measurement to assess walking capacity in patients with intermittent claudication

11.10 Community based supervised exercise therapy for intermittent claudication: One year results

11.20 Supervised exercise therapy for recurrent complaints of intermittent claudication after a previous successful vascular intervention: low risks and high yield

11.30 Reliability of treadmill testing in peripheral arterial disease - A meta-regression analysis

11.40 Manual drainage with or without deep oscillation® in lower extremity oedema
Theys S., Deltombe T., Legrand C., Hanson P. (BE)

11.50 Validation of the Dutch version of the walking impairment questionnaire

12.00 Common goals in medical rehabilitation of osteoarthritis and cardiovascular diseases

12.10 Body bioelectrical impedance in diabetes mellitus and the modifications produced by cardio-respiratory physical activity
Rodriguez L.P., Dumitrana C., Ramiro M., Barca I., Lopez E., Pascual F. (ES)

12.20 Lunch Break in the Exhibition Hall
THE IMMOBILE PATIENT – SESSION ORGANISED BY ISPAPOFF (INTERNATIONAL SOCIETY OF PHYSICAL ACTIVITY IN THE PREVENTION OF OSTEOPOROSIS FALLS AND FRACTURES)

Chairs: Lissens M.A. (BE) and Akyuz G. (TR)

08.30 Physical activity in osteoporosis management and rehabilitation
I33 Lissens M.A. (BE)

08.50 Vibration training in the elderly: Potential strategy to prevent and/or reverse sarcopenia and osteoporosis
I34 Verschueren S. (BE)

09.10 Bone and connective tissue metabolism in SCI patients: A comparative study with bedrest unloaded subjects
I35 Uebelhart D. (CH)

09.30 Evaluation of osteoporosis with peripheral quantitative computed tomography and factors influencing bone loss in paraplegia
O45 Dionyssiotis Y., Petropoulou K., Trovas G., Papagelopoulos P., Rapidi C.A., Lyritis G.P., Papaioannou N. (GR)

09.40 Mechanical properties of the distal tibia in high level complete spinal cord injured (SCI) men are significantly decreased in comparison to low level complete SCI
O46 Dionyssiotis Y., Trovas G., Papagelopoulos P., Petropoulou K., Rapidi C.A., Lyritis G.P., Papaioannou N. (GR)

09.50 Body composition in spinal cord injured men
O47 Dionyssiotis Y., Petropoulou K., Rapidi A.C., Trovas G., Papagelopoulos P., Lyritis G.P., Papaioannou N. (GR)

10.00 A study of bone mineral density in disabled adults at a national rehabilitation hospital
O48 Smith É., Carroll Á. (IE)

10.10 The effect of exercise in the improvement of the bond density in patients with osteoporosis under pharmaceutical treatment with Teriparatide
O49 Tsibidakis H., Farmakidis A., Karavolias C., Kaligerou M., Nikolaou C., Sokorelos M. (GR)

10.20 Bone quality, vertebral fractures and calcium intake in a population-based study in southern Italy
O50 Gimigliano F., Iolascon G., Di Blasio R., Guarcello G., Gimigliano R. (IT)

10.30 Coffee Break in the Exhibition Hall

EVIDENCE BASED REHABILITATION – SESSION BY THE FOUNDATION FOR REHABILITATION INFORMATION

Chair: Stribant Sunnerhagen K. (SE)

11.00 Welcome address and purpose of the symposium
Stribant Sunnerhagen K. (SE)

11.10 Evidence based rehabilitation of persons with longstanding pain
I36 Gerdle B. (SE)

11.35 Evidence based rehabilitation in the area of brain injury
I37 Turner-Stokes L. (GB)

12.00 Evidence based rehabilitation transferred into clinic
I38 Kiekens C. (BE)

12.25 Discussion

12.30 Lunch Break in the Exhibition Hall
WORKSHOP 9: STRENGTH MEASUREMENT OF THE HAND - TECHNIQUES, INDICATIONS, AND INTERPRETATION

Teachers: Schreuders T. (NL) and Selles R. (NL)

08.30 The aim of the workshop is to present an overview of the most important techniques to assess muscle strength of the hand and conduct a hands-on workshop on strength measurements of the intrinsic muscles. In the workshop, we will review manual muscle strength testing and dynamometry (e.g., Jamar, Vigori, Digit grip, pinch strength). In addition, the RIHM will be introduced: A dynamometer for measuring the strength of the intrinsic muscles. We will also discuss different aspects of strength, such as maximum strength, fatigue and coordination.

Pre-registration is mandatory.

10.00 Coffee Break in the Exhibition Hall

WORKSHOP 4: LOCALISATION OF MUSCLES AND INJECTION TECHNIQUES FOR BOTULINUM TOXIN TREATMENT USING EMG AND ULTRASONOGRAPHY

Teachers: Ward A. (GB) and Oostra K. (BE)

Sponsored by Allergan

11.00 This workshop will assist the attendees in defining muscle selection for injections of botulinum toxin in the treatment of adults with spasticity. The injection process will be demonstrated for a selection on muscles and the workshop will be directed at those doctors with no or limited experience in the treatment, such as trainees in PRM. There will be a short informal quiz on muscle anatomy to exemplify the importance of knowledge in muscle selection and describing clinical; scenarios where this knowledge may help in the defining the clinical problems. The winner(s) will receive a small prize to add a bit of fun. The use of EMG and electrical muscle stimulation and ultrasound will be discussed and demonstrated.

Pre-registration is mandatory.

12.30 Lunch Break in the Exhibition Hall

SATELLITE SYMPOSIUM ORGANISED BY ALLERGAN
THE HOLISTIC APPROACH TO SPASTICITY MANAGEMENT

12.30 Chair’s opening remarks
Lejeune T. (BE)

12.40 Critical steps in holistic assessment
Molteni F. (IT)

13.05 Does choice of toxin matter?
Hunt T. (US)

13.30 Panel discussion

13.50 Chair’s closing remarks
Lejeune T. (BE)
SPASTICITY: SESSION OF THE UEMS PMR SECTION AND BOARD - Part 1
Chairs: Ward A. (GB) and Lejeune T. (BE)
Sponsored by Allergan & Medtronic

13.30 Pathophysiology of spastic paresis
   I39 Gracies J.M. (FR)
13.50 Clinical assessment for sensible treatment of spasticity
   I40 Yelnik A. (FR)
14.15 Instrumented assessment
   I41 Molteni F. (IT)
14.40 Conservative treatments for adults with spasticity = oral drugs
   I42 Bensmail D. (FR)
15.05 Physical management of spasticity
   I43 Stark S.C. (GB)

15.30 Coffee Break in the Exhibition Hall

SPASTICITY: SESSION OF THE UEMS PMR SECTION AND BOARD - Part 2
Chairs: Ward A. (GB) and Viton J.M. (FR)
Sponsored by Medtronic

16.00 The value of nerve blockade and sedation to detect contracture in adults with spasticity
   I44 Deltombe T. (BE)
16.20 Treatment of focal spasticity: Chemodenervation
   I45 Ward A.B. (GB)
16.40 ITB for spasticity after stroke
   I46 Saltuari L. (AT)
17.00 The merits of orthopedic surgery in treating spasticity
   I47 Plasschaert F. (BE)
17.20 The botuloscope: A cohort study about treatment of post-stroke upper limb spasticity by botulinum toxin
   I48 Marque P. (FR)
17.40 Questions and Answers & Discussion
### SESSION ORGANISED BY SIMFER - Part 1

**Chairs:** Iocco M. (IT) and Lains J. (PT)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.30</td>
<td>The Italian project for a national rehabilitation stroke register:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Basic assessment of stroke patients (PMIC)</td>
<td>Franceschini M. (IT)</td>
<td></td>
</tr>
<tr>
<td>14.00</td>
<td>Development of a stroke rehabilitation minimum data set</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lenti G. (IT)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.30</td>
<td>Clinical and functional monitoring</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Zampolini M. (IT)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.00</td>
<td>Basic assessment of stroke patients in Italy: Preliminary report of</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>acute phases experience</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>in Emilia Romagna PMIC group</td>
<td>Ferrari E. (IT)</td>
<td></td>
</tr>
</tbody>
</table>

**15.30** Coffee Break in the Exhibition Hall

### SESSION ORGANISED BY SIMFER - Part 2

**Chairs:** Iocco M. (IT) and Lains J. (PT)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.00</td>
<td>Evaluation of stroke rehabilitation across Europe - Lessons learned</td>
<td>Putman K. (BE)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>from the CERISE project</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.20</td>
<td>Assessment of stroke outcome in Sweden based on ICF</td>
<td>Stribant Sunnerhagen K. (SE)</td>
<td></td>
</tr>
<tr>
<td>16.40</td>
<td>Assessment of stroke outcome in Turkey: Current concepts &amp; practical</td>
<td>Yavuzer G. (TR)</td>
<td></td>
</tr>
<tr>
<td>17.00</td>
<td>The measure of latent variables in rehabilitation medicine</td>
<td>Thonnard J.L. (BE)</td>
<td></td>
</tr>
<tr>
<td>17.15</td>
<td>The activity limitations in patients with neuromuscular disorders</td>
<td>Vandervelde L. (BE)</td>
<td></td>
</tr>
</tbody>
</table>
WEDNESDAY 4 JUNE, 2008

STUDIO 2

THERAPIES - Part 2

Chairs: Ring H. (IL) and Hanson P. (BE)

13.30 Clinical practice guidelines for rehabilitation in knee osteoarthritis by SFR (French Society of Rheumatology) and SOFMER (French Physical Medicine and Rehabilitation Society)
   Coudeyre E., Ribinik P., Mazières B., Thevenon A., Delarue Y., de Branche B., Tiffreau V., Mulleman D., Revel M., Rannou F. (FR)

13.40 Effect of PEMF on knee osteoarthritis:
   A randomized, double-blind, placebo-controlled study
   Özgüçlü E., Çetin A., Çetin M., Calp E. (TR)

13.50 Clinical practice guidelines for perioperative rehabilitation in total knee arthroplasty by SOFMER (French Physical Medicine and Rehabilitation Society) and SOFCOT (French Society of Orthopaedic Surgery)
   Coudeyre E., Ribinik P., Revel M., Rannou F. (FR)

14.00 Evidence for the effectiveness of bracing in lower-limb osteoarthritis by SFR (French Society of Rheumatology) and SOFMER (French Physical Medicine and Rehabilitation Society)
   Beaudreuil J., Bendaya S., Faucher M., Ribinik P., Revel M., Rannou F. (FR)

14.10 Treatment of plantar fasciitis with extracorporeal high energy shock wave therapy:
   Our experience with 48 patients
   Parada F. (PT)

14.20 Hil-therapy in ‘painful shoulder’ syndrome from partial tear and tendinopathy of the rotator cuff - Effects at cellular level
   Saggini R., Cancelli F., De Antoni A., Monici M. (IT)

14.30 Clinical effects of acupuncture and exercise therapy in the treatment of frozen shoulder in subacute phase after stroke
   Plavsic A., Foti C., Brdareski Z., Nikcevic L. (IT, RS)

14.40 Acupuncture and chronic headache in patients ‘no responders’ to pharmacologic therapies

14.50 Continuous passive motion improves pain better in adhesive capsulitis
   Dundar U., Toktas H., Cakir T., Evak D., Kavuncu V. (TR)

15.00 Splint for base of thumb osteoarthritis:
   A 12 month multicenter randomized controlled study

15.10 Effects of kinesio taping method and low-frequency electromagnetic field applied to the knee joint in rheumatoid arthritis (RA) patients
   Kaczmarek D., Cywinska-Wasilewska G., Romanowski W. (PL)

15.20 Lymphedema treatment with sound waves
   Belmonte R., Tejero M., Pou M., Boza R., Muniesa J.M., Duarte E. (ES)

15.30 Coffee Break in the Exhibition Hall
THERAPIES - Part 3

Chairs:  Ring H. (IL) and Hanson P. (BE)

16.00  Influence of locus of control on patient response to SEMG biofeedback therapy for myofascial pain of the upper trapezius
       Allen R.J., Pham R. (US)

16.15  Does a wobble board training programme improve single leg standing balance in young adult females?
       Jones K., Forward M., Plasschaert F., Kerwin D. (BE, GB)

16.30  Effects of diabetes rehabilitation program
       Rodriguez L.P., Barca I., Cuenca C., Mendez K., Campa C., Calle A. (ES)

16.45  Rehabilitation of patients with metabolic syndrome by using physical activity monitors
       Avram C., Oravitan M., Nagel A., Iurciuc M. (RO)

17.00  Effect of plantar somatosensory input therapy on perceived vertigo intensity in patients with benign paroxysmal positional vertigo
       Allen R.J., Evans J., Kirchoff M.J., Siewert N.J., Kellow M.J. (US)

17.15  Special attentions in the electrotherapy and light for the patients with metallic contention
SESSION ORGANISED BY THE SOSORT (SOCIETY ON SCOLIOSIS ORTHOPAEDIC AND REHABILITATION TREATMENT)
Chairs: Negrini S. (IT) and Rigo M. (IT)

14.00 End-growth final results of an effective conservative treatment: A case series
159 Negrini S. (IT)

14.20 Exercises for scoliosis today: Evidence and schools
160 De Mauroy J.C. (FR)

14.40 Bracing for scoliosis today: Evidence and schools
161 Rigo M. (IT)

15.00 Coffee Break in the Exhibition Hall

CARDIO-RESPIRATORY PATHOLOGY - Part 3
Chairs: Stassijns G. (BE) and Juocevicius A. (LT)

16.00 Pulmonary rehabilitation: Components and benefits of a multidisciplinary program
O68 Aldeia E., Mimoso I. (PT)

16.10 Outcomes of an inpatient rehabilitation following cardio-pulmonary transplantation
O69 Bowman M., Faux S., Brooke K., Sun C., Wilson S. (AU)

16.20 Improvement of the patient’s ventilation by correcting the slid recumbent position in the ICU
O70 Grigoriadis K., Vasileiadis G.I., Efstathiou I., Petrianos I., Armaganidis A. (GR)

16.30 Physiotherapy in asthmatic children, controversies and practice
O71 Zafirovski L., Micevska D., Sotirovski G., Zafirovska E., Buzalkov G. (MK)

16.40 Sensitivity of SNIP and other respiratory measurements in ALS
O72 Pinto S., Geraldes R., Pinto A., de Carvalho M. (PT)

16.50 Efficiency of dynamic electro nervous stimulation in patients with an initial stage of arterial hypertension

17.00 Modified balk-ware protocol for aerobic capacity evaluation in subjects after severe traumatic brain injury
O74 Grabljevec K., Erjavec T. (SI)
EDUCATION AND TRAINING - SESSION BY THE UEMS - EUROPEAN BOARD - Part 1

Chairs: Viton J.M. (FR) and Michail X. (GR)

13.30 The Action Plan of the Physical and Rehabilitation Medicine (PRM) Section and Board of the European Union of Medical Specialists (Union Européenne des Médecins Spécialistes, UEMS) 2008-2010
Delarque A. (FR)

13.40 World action plan for initial education in PRM ‘PRM wapie’
Viton J.M. (FR)

13.55 Education and training in the field of physical and rehabilitation medicine in Bulgaria
Ilieva E.M. (BG)

14.15 Teaching and training programs in PRM in Greece
Michail X. (GR)

14.30 PRM education in Portugal
Parada F. (PT)

14.45 Cooperation in the field of physical medicine and rehabilitation with Bosnia-Herzegovina
Individuals or institutions?
Richard I. (FR)

15.00 Teaching and training programmes in physical and rehabilitation medicine (PRM) in Spain
Muñoz S.L. (ES)

15.15 Coffee Break in the Exhibition Hall

EDUCATION AND TRAINING - SESSION BY THE UEMS - EUROPEAN BOARD - Part 2

Chairs: Franchignoni F. (IT) and Christodoulou N. (CY)

16.00 Higher education provided by Italian university for medical doctors and rehabilitation professionals
Gimigliano R. (IT)

16.15 Initial education in PRM in France
Viton J.M. (FR)

16.30 Requirements for sports medicine training in Europe: Conclusions of the UEMS multidisciplinary joint committee on sports medicine
Christodoulou N. (CY)

16.50 Physical and rehabilitation medicine meets sports medicine
D’Hooghe M. (BE)
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.30</td>
<td>The principles of osteoarthritic knee bracing - Dynamic bracing to eliminate pain</td>
</tr>
<tr>
<td>13.55</td>
<td>Application of aggressive program rehabilitation after anterior cruciate ligament reconstruction</td>
</tr>
<tr>
<td>14.05</td>
<td>Randomised placebo-controlled trial on efficacy of dynamic electroneurostimulation in knee osteoarthritis</td>
</tr>
<tr>
<td>14.15</td>
<td>Physical activity and functional level of patients suffering from rheumatoid arthritis and osteoarthritis</td>
</tr>
<tr>
<td>14.25</td>
<td>The influence of menstrual cycle on ankle proprioception</td>
</tr>
<tr>
<td>14.35</td>
<td>Evaluation of muscle function in pre and postmenopausal women</td>
</tr>
<tr>
<td>14.45</td>
<td>Dancers don't sway</td>
</tr>
<tr>
<td>14.55</td>
<td>Evaluation of pain treatments with transcutaneous electrical nerve stimulation in patients with painful diabetic neuropathy</td>
</tr>
<tr>
<td>15.05</td>
<td>Early cervical mobilization in patients with post-traumatic cervical syndrome A pilot study</td>
</tr>
<tr>
<td>15.15</td>
<td>What aims for rehabilitation of chronic low back pain patients: Data from a cohort of patients</td>
</tr>
<tr>
<td>15.25</td>
<td>Coffee Break in the Exhibition Hall</td>
</tr>
</tbody>
</table>
ADULT LOCOMOTOR SYSTEM PATHOLOGY - Part 2

Chairs: Valero R. (ES) and Frischknecht R. (CH)

16.00 How to establish clinical practice guidelines for physical medicine and rehabilitation: The SOFMER methodology?
O84 Coudeyre E., Ribinik P., Revel M., Rannou F. (FR)

16.20 Ulnar nerve neuropathy in traumatic brain injury patients
O85 De Cock K., Oostra K., De Muynck M., Vanderstraeten G.G. (BE)

16.30 Referred sensations after traumatic nerve injury of the hand
O86 Implications for understanding central nervous system reorganisation

16.40 An unusual case of chondrocalcinosis
O87 Decorte T., Vanderstraeten G.G. (BE)

16.50 Case report: Eosinophilic fasciitis
O88 An unusual cause of chronic exertional compartment syndrome of both lower legs
Vanhecke B.J., Mortelé P.F.A. (BE)

17.00 Crowned Dens Syndrome
O89 Watteyne K., Piette Y., Vandecasteele K., De Geeter F., Dhondt E., De Neve J. (BE)

17.10 Comparative study of diet optimization and physical training in patients with osteoarthritis and metabolic syndrome

17.20 Proliferation therapy in rehabilitation practice - General concept and practical experience
O91 Trebinjac S., Skikic-Mujic E. (AE)
## AMPUTATIONS AND PROSTHETICS - Part 1

**Chairs:**  Marincek C. (SI) and Geertzen J. (NL)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.30</td>
<td>Lower extremity amputations: An update in management and new prosthetics</td>
<td>Geertzen J.H.B. (NL)</td>
</tr>
<tr>
<td>08.55</td>
<td>Upper extremity amputations: An update in management and new prosthetics</td>
<td>Marincek C. (SI)</td>
</tr>
<tr>
<td>09.20</td>
<td>Osseointegrated amputation prostheses – A promising treatment for individuals with limb loss</td>
<td>Hagberg K. (SE)</td>
</tr>
<tr>
<td>10.00</td>
<td>Amputations and congenital deficiencies of the upper limb in pediatric population</td>
<td>Afonso C., Coelho J.P., Cadete A., Lopes A., Vasconcelos M.A., Batalha I. (PT)</td>
</tr>
</tbody>
</table>

### Coffee Break
- **Time:** 10.30
- **Details:** Coffee Break offered by GSK in the Exhibition Hall

## AMPUTATIONS AND PROSTHETICS - Part 2

**Chairs:**  Marincek C. (SI) and Geertzen J. (NL)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.00</td>
<td>Comparison of life quality between patients with salvage vs unilateral below knee amputations</td>
<td>Tekin L., Safaz I., Göktepe A.S, Yazıcıoğlu K. (TR)</td>
</tr>
<tr>
<td>11.30</td>
<td>C-leg® prosthesis for transfemoral amputees in Israel</td>
<td>Raveh E. (IL)</td>
</tr>
<tr>
<td>11.45</td>
<td>Effects of electronically controlled prosthetic knee hinges on performance of common daily activities</td>
<td>Theeven P., Hemmen B., Geers R., Balk S., Rings F., Brink P., Seelen H. (NL)</td>
</tr>
<tr>
<td>12.00</td>
<td>Dynamic balance control in lower leg amputees - Individual contribution of the prosthesis side</td>
<td>Nederhand M.J., van Asseldonck E.H.F., van der Kooij H. (NL)</td>
</tr>
<tr>
<td>12.15</td>
<td>First experiences with the use of the SIGAM-WAP score during inpatient rehabilitation after lower limb amputation</td>
<td>Rommers G.M., Paping M.A, Wiggerts H.O. (NL)</td>
</tr>
</tbody>
</table>

### Lunch Break
- **Time:** 12.30
- **Details:** Lunch Break in the Exhibition Hall
AAPM&R SESSION

Chairs: Micheo W. (PR) and Melvin J.L. (US)

08.30 Evidence based concepts in back pain management
Micheo W. (PR)

08.55 Pain management, sports medicine and spine care: Educational training programs in the US
Cifu D.X. (US)

09.20 The importance of core strengthening in back pain management and prevention
Press J. (US)

09.45 Intervventional procedures for lumbar pain syndromes: Evidence-base and clinical practice
Weinstein S.M. (US)

10.10 Rehabilitation hospital admissions: Payer versus professional standards
Melvin J.L. (US)

10.30 Coffee Break offered by GSK in the Exhibition Hall

LOW BACK PAIN SESSION - Part 1

Chairs: Nielens H. (BE) and Fialka-Moser V. (AT)

11.00 Role of strong opioids in chronic low back pain
Devulder J. (BE)

11.25 The influence of induced pain on lumbar trunk muscle recruitment during trunk extension, evaluated by functional MRI
Dickx N., Achten E., Vandemaele P., Parlevliet T., Danneels L. (BE)

11.40 Patient preference disability questionnaire in chronic low back pain: A cross-sectional survey

11.50 Multidimensional assessment in chronic low back pain:
Minnesota multiphasic personality inventory 2 and McGill pain questionnaire

12.00 Relative importance of pain related disabilities among low back pain patients
Suominen C., Laih M., Salminen J.J., Nykvist F., Tuominen R. (FI)

12.10 Chronic low back pain and function
Pinheiro J., Branco J., Figueiredo P., Ferreira L., Ramos S. (PT)

12.20 Management of low back pain in primary care: A retrospective study of 72 patients

12.30 Comparison of functional restoration with 3 hours per week physical therapy in chronic low back pain at two years follow-up
Roche-Leboucher G., Guerin C., Parot E., Bouton C., Roqueuare Y., Richard I. (FR)

12.40 Lunch Break in the Exhibition Hall
ASSESSMENT SESSION - Part 1

Chairs: Stam H. (NL) and Franchignoni F. (IT)

08.30 Walking index for spinal cord injury - WISCI

08.40 Gait performance after spinal cord injury
O109 Desloovere K., Kiekens C., Huenaerts C., Molenaers G. (BE)

08.50 Normal gait analysis using an original analyzing strap
O110 Murgu A., Nica A., Mologhianu G., Sarghii B. (RO)

09.00 Task-oriented client-centred modular training program to improve arm-hand-skilled performance in cervical spinal cord injured persons

09.10 The new Swedish post-concussion symptoms questionnaire (PCSQ): A measure of symptoms after mild traumatic brain injury
Elgmark Andersson E., Emanuelson I., Olsson M., Stålhammar D., Starmark J.E. (SE)

09.20 Performance in postural control tests is impaired in women with rheumatoid arthritis
Luoto S., Siivola M., Riikonen K., Kauppi M., Laiho K., Mikkelsson M. (FI)

09.30 The attainment of steady state in the assessment of energy cost of walking – Is it important?
O114 Plasschaert F., Jones K., Forward M. (BE)

09.40 Isokinetic grip evaluation of the hand - Normal value in a healthy population
Mayordomo M.M., Caballero R.S., Robreño R.D. (ES)

09.50 Functional evolution of distal radius fractures during first year after injury
Isokinetic technology application
Mayordomo M.M., Caballero R.S., Robreño R.D. (ES)

10.00 Gait characteristics of subjects with Chronic Fatigue Syndrome (CFS) and controls at self-selected and matched speeds
Rafferty D., Paul L., Wood L., MacLaren W. (GB)

10.10 Physiological cost of walking in those with Chronic Fatigue Syndrome (CFS)
Paul L., Rafferty D., Marshal R. (GB)

10.20 Incidence of temporomandibular disorders in pregnancy
Solak O., Turhan-Haktanir N., Koken G., Toktas H., Guler O., Kavuncu V., Demir Y. (TR)

10.30 Coffee Break offered by GSK in the Exhibition Hall
ASSESSMENT SESSION - Part 2

Chairs: Stam H. (NL) and Michail X. (GR)

11.00 Types of gait dysfunctions after cerebrovascular accident
   O120 Preliminary results of three-dimensional kinematic analysis, ground reaction forces measurement and functional EMG study
   Krawczyk M., Syczewska M. (PL)

11.10 Gait training after stroke: To restore function or to help the person compensate?
   O121 Yavuzer G. (TR)

11.20 Early quantification of motor recovery after stroke using kinematic measurement and clinical Fugl-Meyer assessment scale
   Oujamaa L., Mottet D., Pelissier J. (FR)

11.30 A presentation of selected uses of gait analysis in the management of an adult patient with lower limb spasticity: A case report
   Oostra K., Forward M. (BE)

11.40 Walking function, pain and fatigue in adults with cerebral palsy
   O124 A seven year follow-up study
   Opheim A., Johansen R., Olsson E., Stanghelle J.K. (SE, NO)

11.50 Effects of upper extremity motor recovery on gait pattern late after stroke
   O125 Yavuzer G. (TR)

12.00 Minimal stroke assessment for inpatient rehabilitation settings

12.10 Can brief validated neuropsychological screening be useful for the evaluation of instrumental activities of daily living in chronic right-sided stroke patients?
   Ferraro M., Masiero S., Piubelli C., Strumendo I., Ferraro C. (IT)

12.20 Function of the upper extremity in young adults with cerebral palsy: Interrelationships and importance for participation

12.30 Lunch Break in the Exhibition Hall
EUROPEAN SCHOOL MARSEILLE - Part 1

Chairs: Viton J.M. (FR) and Buschbacher R. (US)

08.30 Fundamentals of human gait
   I83 Prahlow N. (US)

08.50 Abnormal gait
   I84 Viton J.M. (FR)

09.10 Electromyography in gait abnormality
   I85 Buschbacher R.B. (US)

09.30 Correlations between speed impairment and strength reduction in ambulatory patients with multiple sclerosis
   Thoumie P. (FR)

09.50 Arm function after stroke: What strategy?
   I87 PéliSSier J.Y. (FR)

10.10 Hemineglect in stroke patients
   I88 Rode G. (FR)

10.30 Coffee Break offered by GSK in the Exhibition Hall

EUROPEAN SCHOOL MARSEILLE - Part 2

Chairs: Marincek C. (SI) and Munoz S. (ES)

11.00 Assessment of balance and mobility
   I89 Franchignoni F. (IT)

11.20 Retropulsion in Parkinson disease is caused by an abnormal sense of verticality
   I90 Pérennou D. (FR)

11.40 Locomotor capacity and performance:
   I91 Relevance and limitation of microprocessor prosthesis in transfemoral amputee
   Paysant J. (FR)

12.00 A biomechanical assessment of two baby carrier positions
   I92 Thevenon A. (FR)

12.15 From mental representation of action to motor rehabilitation
   I93 Giroux P. (FR)

12.30 Lunch Break in the Exhibition Hall
REHABILITATION FROM THE ACUTE HOSPITAL TO COMMUNITY INTEGRATION
Part 1
Chairs: Gutenbrunner C. (DE) and Ward A. (GB)

08.30 Acute rehabilitation in neurological conditions - Definition and outcomes
I94 Ward A.B. (GB)

09.00 Acute rehabilitation after trauma – Concepts and outcomes
I95 Glaesener J.J. (DE)

09.20 Rehabilitation teams in acute hospitals
I96 Advantages and limitations of the mobile team approach
Küther G. (DE)

09.40 Payment systems for rehabilitation in acute settings in Europe
I97 Damjan H. (SI)

10.00 Mild traumatic brain injuries: The impact of early intervention on late sequelae
O129 A randomized controlled trial
Elgmark Andersson E., Emanuelsen I., Björklund R., Stålhammar D.A. (SE)

10.10 Information transfer between acute hospital and rehabilitation centre shows important deficits
O130 van Staalduien A.M., Beckerman H., Lankhorst G.J., Wiggerts H.O. (NL)

10.20 Interrater agreement of functional status scores for patients transferred from one rehabilitation setting to another
Kohler F., Redmond H., Estell J., Dickson H.G., Connolly C. (AU)

10.30 Coffee Break offered by GSK in the Exhibition Hall

REHABILITATION FROM THE ACUTE HOSPITAL TO COMMUNITY INTEGRATION
Part 2
Chairs: De Korvin G. (FR) and Borg K. (SE)

11.00 Rehabilitation in the post-acute phases
I98 Borg K. (SE)

11.30 Rehabilitation in chronic conditions
I99 Gutenbrunner C. (DE)

11.50 Community based rehabilitation - Concepts and outcomes
I100 Calmels P. (FR)

12.10 PMR-specialists in private practice - Can they perform multidisciplinary rehabilitation
I101 De Korvin G. (FR)

12.30 Correlations of FIM item scores in patients transferred from one rehabilitation setting to another
Kohler F., Redmond H., Estell J., Dickson H.G., Connolly C. (AU)

12.40 Acquired brain injury in Tuscany, Italy, 2003-2006:
O133 Estimating the size of the problem by combining different sources of data
Di Fabrizio V., Mancuso M., Posteraro F., Gaudiano C., Rodella S. (IT)

12.50 Prevalence of young adults with acquired brain injury (ABI) in nursing homes in Belgium
O134 Lannoo E., Larmuseau D., Eyssen M., Leys M. (BE)

13.00 Lunch Break in the Exhibition Hall
WORKSHOP 6: ITB THERAPY
PRACTICAL TROUBLESHOOTING AND ADVANCED CASE STUDIES
Teacher: Matzak H. (AT)

Sponsored by Medtronic

09.00 The faculty will present a systematic approach to troubleshooting spasticity patients implanted with intrathecal baclofen (ITB) pumps. The faculty will cover typical challenges such as how to determine the cause of a sudden return of spasticity symptoms, autonomic system changes due to ITB Therapy, and titration. The workshop will consist of a series of case studies, supported by a practical decision tree for troubleshooting.

Pre-registration is mandatory.

10.30 Coffee Break offered by GSK in the Exhibition Hall

WORKSHOP 7: ITB THERAPY
HANDS ON WORKSHOP ON POST-OPERATIVE ITB PATIENT MANAGEMENT
Teachers: Pauwels P. (BE) and de Cat J. (BE)

Sponsored by Medtronic

11.00 The faculty will present best practices on the management of spasticity patients implanted with ITB pumps in the rehabilitation setting. This will include a general approach to pre and post-implant of ITB pumps, and specific cases of patients in some cases documented with footage. The handshop will continue with discussion of issues of management and how to program the system to address these issues, using hands-on programming examples – and subsequent discussion of the cases.

Pre-registration is mandatory.

12.30 Lunch Break in the Exhibition Hall
CHRONIC PAIN - Part 1
Chairs: Sjölund B. (DK) and Cantista P. (PT)

13.30 From physical medicine to interdisciplinary rehabilitation

I102 An ICF perspective in PMR pain management
Sjölund B. (DK)

13.55 High-order nociceptive processing anomalies in chronic pain syndromes

I103 Plaghki L.

14.20 Complex Regional Pain Syndrome CRPS: Pain management and functional restoration

I104 Grabois M. (US)

14.45 Delayed episodic pain reactions due to perceived psychogenic stress in patients with fibromyalgia syndrome: Case series
Allen R.J., Bittenbender C.J., Smith A.K., Townson K.B., Blankenship S.A. (US)

15.00 Scientific evidence of the rehabilitation treatment of fibromyalgia

I105 Valero Alcaide R., Atín Arratibel M.A. (ES)

15.15 From acute musculoskeletal pain to chronic widespread pain and fibromyalgia: Rehabilitation addressing cognitive emotional sensitisation and beyond
Nijs J. (BE)

15.30 Coffee Break in the Exhibition Hall

CHRONIC PAIN - Part 2
Chairs: Sjölund B. (DK) and Cantista P. (PT)

16.00 Evidence for generalized hyperalgesia in chronic fatigue syndrome: A case control study

O137 Meeus M., Nijs J., Huybrechts S., Truijen S. (BE)

16.15 Effect of pain education on coping, catastrophising, kinesiophobia and pain in patients with chronic fatigue syndrome: A controlled experiment

O138 Meeus M., Nijs J., Van Oosterwijck J., Van Alsenoy V., Truijen S. (BE)

16.30 Diffuse noxious inhibitory control is delayed in chronic fatigue syndrome: An experimental study

O139 Meeus M., Nijs J., Van de Wauwer N., Toeback L., Truijen S. (BE)

16.40 The multidisciplinary pain management of the communicating or not communicating patient in a unit of locomotive rehabilitation with the CHR Citadelle

O140 Bex, Bredhol, Tilkin, Lejeune, Montagner, Nicolay, Bonhomme, Ennafla (BE)

16.50 Computer aided surface estimation of pain drawings – Intra and interrater reliability

O141 Persson A.L., Garametsos S., Pedersen J. (DK)

17.00 Treatment on myofascial pain syndromes:

O142 Local selective acoustic vibration vs lidocaine injection
Saggini R., Iodice P., Galati V., Marri A., Bellomo R.G. (IT)

17.10 Spontaneous pain with and without evoked pain – Different spinal mechanisms?

O143 Hatem S.M., Attal N., Gautron M., Bouhassira D., Plaghki L. (BE, FR)
LOW BACK PAIN - Part 2
Chairs: Pélissier J. (FR) and Parlevliet T. (BE)

13.30 Obesity and low back pain: A kinematic approach
O144 Capodaglio P., Menegoni F., Galli M., Vismara L. (IT)

13.40 Sagittal alignment of spine and pelvis regulated by pelvic incidence:
O145 Standard values and prediction of lordosis
Boulay C., Duval-Beaupère G., Legaye J., Bollini G., Chabrol B., Pelissier J. (FR)

13.50 The effect of a pragmatic manual therapy approach on pain, daily functioning and trunk
O146 muscle function in lumbar disectomy patients with persistent complaints
Bouche K., Decru V., De Saedeleer B., Vanthillo B., Caemaert J., Danneels L. (BE)

14.00 Transcutaneous electrical nerve stimulation for patients with low-back pain:
O147 A pilot randomized controlled clinical trial
Setchenkova N., Akhmadeeva L., Bulgakova A., Abdrashitova E. (RU)

14.10 Evaluation of the effect of DENS-therapy in patients with chronic neck pain in an
O148 orthopedic rehabilitation clinic and a clinic for mothers and children
Kraft K., Delibasic M. (DE)

14.20 Modulated midfrequency electrotherapy, conventional Western massage and manual
O149 therapy as treatment modality of acute low back
Atabas E., Tlev K. (DE)

14.30 Low level laser therapy in treatment of acute low back pain
O150 Konstantinovic L., Kanjuh Z., Schwirtlich L., Perisic D., Bascarevic D., Milovanovic N. (RS)

14.40 Treatment of chronic cervical and low back pain by segmental neuromyotherapy approach
O151 Ivanova M.K. (KW)

14.50 Therapeutic outcomes of integrative care package for disc herniation
O152 Choi Y., Yun Y., Kwon S., Lee S. (KR)

15.00 Coffee Break in the Exhibition Hall

LOW BACK PAIN - Part 3
Chairs: Pélissier J. (FR) and Parlevliet T. (BE)

16.00 Chronic lumbago: Comparison between the efficacy of the treatment with mesotherapy
O153 on trigger points versus mesotherapy on acupuncture points
Di Cesare A., Paolucci T., Scappaticci A., Saraceni V.M. (IT)

16.10 Clinical efficacy of different therapy regimes of low power lasers in the treatment of acute
O154 low back pain
Jovicic M., Konstantinovic L., Popovic G.(RS)

16.30 Clinical effectiveness of aquatic exercise to treat low back pain: A randomized controlled trial
O155 Dundar U., Solak O., Yigit I., Evcik D., Kavuncu V. (TR)

16.40 Functional electrical stimulation in low back pain with ‘STIMBELT’ exercise garment
O156 Schwirtlich L., Konstantinovic Lj., Kanjuh Z., Tanaskovic Z., Miler V. (RS)

17.00 Low back pain and back school: The importance of psychological factors

17.10 Quality of life in surgically treated lumbar spinal stenosis
O158 Totorean A., Poenaru D.V., Amaricai E., Branea I. (RO)

17.20 Validity of muscle function tests in the rehabilitation management of chronic LBP
O159 Gruther W., Wick F., Leitner C., Paul B., Posch M., Ebenbichler G. (AT)
ASSESSMENT - Part 3
Chairs: Özçakar L. (TR) and Vanderstraeten G.G. (BE)

13.30 Laryngeal electromyography: Not easy to perform but useful
I106 Hanson P., Lawson G., Jamart J., Deltombe T., Remacle M. (BE)

13.40 Interrater repeatability of motor nerve conduction velocity of the ulnar nerve
O160 Schuhfried O., Herceg M., Angst M., Paternostro-Sluga T. (AT)

13.50 Musculoskeletal sonography use in physiatry:
O161 Single center one year cost-effectivity analysis
Malas F.U., Özçakar L., Kara G., Çetin A., Hasçelik Z. (TR)

14.00 Evolution of the isokinetic shoulder strength before and after shoulder stabilization by the Latarjet technique
O162 Edouard P., Degache F., Calmels P. (FR)

14.10 Disability and quality of life of patients with knee or hip osteoarthritis in the primary care setting and factors associated with general practitioners’ indication for prosthetic replacement within one year
O163 Boutron I., Rannou F., Jardinaud-Lopez M., Meric G., Revel M., Poiraudou S. (FR)

14.20 Functional assessment after knee ACL reconstruction (KACLiR test)
O164 Foti C., Rocco A., Annino G. (IT)

14.30 Muscle strength assessment after ACL reconstruction:
O165 Influence of the isokinetic testing modalities
Croisier J.L., Forthomme B., Crielaard J.M., Maquet D. (BE)

14.40 Joint replacement rehabilitation outcomes upon discharge from skilled nursing facilities and inpatient rehabilitation facilities: Findings from the Joints I Study
O166 DeJong G., Horn S.D., Smout R.J., Tian W., Putman K. (US, BE)

14.50 Reliability of plantar pressure measurement system in rheumatoid arthritis patients
O167 Novak P., Vidmar G. (SI)

15.00 The impact of ankle foot orthoses on standing balance in cerebral palsy
O168 Forward M., Jones K., Plasschaert F. (BE)

15.10 Patient preference disability questionnaire in systemic sclerosis: A cross-sectional survey

15.20 Rehabilitation approach to sclerodermia

15.30 Coffee Break in the Exhibition Hall
16.00 Energy expenditure of walking with prosthesis: Below-knee vs partial foot amputations
O171 Goktepe A.S., Cakir B., Yilmaz B., Yazicioglu K. (TR)

16.10 Energy expenditure of above knee and below-knee amputees during walking
O172 Yazicioglu K., Goktepe A.S., Cakir B. (TR)

16.20 Cryoprobe treatment for painful neuromas in amputees
O173 Neumann V., Bush D., O’Connor R.J. (GB)

16.40 Effects of total contact insole with heel elevation in patients with reconstructed heel
O174 Tang S.F.T. (TW)

16.50 Osteoarthritis of the intact limb among traumatic leg amputees
O175 Struyf P., Hitters M., van Heugten C., Smeets R. (BE)

17.00 Prevalence and sociodemographic correlations of depression and anxiety after lower limb amputation
O176 Hawamdeh Z.M., Othman Y.S., Ibrahim A.I., Ammari B.A. (JO)

17.10 Vocational outcomes after amputation: A cross-sectional study
O177 O’Connor R.J., Sansam K. (GB)

17.20 Prosthetic rehabilitation in geriatrics
I107 Devecerski G. (RS)

17.30 Prosthetic functionality in geriatric lower limb amputees
O178 Cabete S., Silva A.I., Teles J., Abreu S., Duro H. (PT)
MISCELLANEOUS SESSION - Part 1
Chairs: Fialka-Moser V. (AT) and Damjan H. (SI)

13.30 Does international classification of functioning, disability and health (ICF) give us additional information on functioning of stroke patients?
Burger H., Goljar N., Marincek C. (SI)

13.45 ICF application to a case of systemic lupus erythematosus
Tavares F., Gouveia S., Jacinto L.J. (PT)

14.00 Participation as an outcome measure in a rehabilitation cohort in spinal cord injury patients
Van de Velde D., Vanderstraeten G.G., Bracke P., Van Hove G. (BE)

14.15 Community integration and participation following spinal cord injury: A 2 year follow up
De Wolf A.C., Cameron I.D., Middleton J., Quirk R. (AU)

14.30 How are healthcare regulations perceived by rehabilitation professionals in Belgium?
Berquin A. (BE)

14.45 Do work conditions influence the mental health of rehabilitation professionals in Belgium?
Berquin A. (BE)

15.00 Review of data collection on spinal cord injuries (SCI) at Ghent University Rehabilitation Center, Belgium
Luypaert E., Viaene A. (BE)

15.30 Coffee Break in the Exhibition Hall

MISCELLANEOUS SESSION - Part 2
Chairs: Fialka-Moser V. (AT) and Damjan H. (SI)

16.00 Physical activity behaviour of people with multiple sclerosis
Beckerman H., de Groot V., Lankhorst G.J. (NL)

16.15 Factors influencing employment for people with multiple sclerosis
Abbas D., Gehanno J.F., Caillard J.F., Joseph P.A., Beuret-Blanquart F. (FR)

16.30 Health care utilization of patients with multiple sclerosis is based on professional and patient defined health needs

16.45 Bilateral alternating vibration of postural muscles induces body oscillations in standing Parkinsonian patients
Nardone A., De Nunzio A.M., Godi M., Grasso M., Schieppati M. (IT)

17.00 Wheelchair rugby training improves the Wheelchair Skills Test measures in people after spinal cord injury
Furmaniuk L., Cywinska- Wasilewska G. (PL)

17.10 Zarit burden inventory among caregivers of muscular dystrophy patients: Construct validity, reliability, test retest
Boyer F., Taïar R., Jolly D., Drame M., Morrone I., Novella J.L. (FR)

17.20 Nerve block in the management of the upper motoneurone syndrome
Medina Estevez F., Sanchez J., Santandreu M.E., Mendez J.L., Miranda G. (ES)
SESSION ORGANISED BY SOFMER - Part 1

Chairs: Mazaux J.M. (FR) and Pélissier J. (FR)

13.30 Cognitive and neurobehavioral impairments in road-crash injured patients with and without TBI: An evaluation of the ESPARR cohort one year after the accident
   Hours M. (FR)

13.40 Topographical disorientation in patients with traumatic brain injury:
   Performance in real compared to virtual environment
   Sorita E. (FR)

13.50 The effect of age on executive functioning after acquired brain injury in adults
   Chevignard M. (FR)

14.00 Discussion

14.10 How to explore theory of mind after severe brain injury?
   Joseph P.A. (FR)

14.20 Fatigue, sleepiness in patients with traumatic brain injury
   Chaumet G. (FR)

14.30 Rehabilitation of the central executive of working memory after severe traumatic brain injury:
   Two single-case studies
   Vallat-Azouvi C. (FR)

14.40 Discussion

15.00 Coffee Break in the Exhibition Hall

SESSION ORGANISED BY SOFMER - Part 2

Chairs: Mazaux J.M. (FR) and Pélissier J. (FR)

15.20 Taking care of a TBI victim after a road accident:
   How to assess the long term effect on the family?
   Charnay P. (FR)

15.30 Fitness to drive after suffering head injury is an essential issue
   Bilz A. (FR)

15.40 Severe TBI and return to community in France
   Mathé J.F. (FR)

15.50 Care pathways for people following acquired brain injury
   Ward A.B. (GB)

16.00 What quality of life after traumatic brain injury? Qolibri, a disease-specific quality of life tool
   Truelle J.L. (FR)

16.10 Discussion
<table>
<thead>
<tr>
<th></th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.20</td>
<td>Oral presentation of the poster session</td>
<td></td>
</tr>
<tr>
<td>P305</td>
<td>Post traumatic stress disorder after slight traumatic brain injury: An evaluation of the ESPARR cohort six months after the crash</td>
<td>Hours M. (FR)</td>
</tr>
<tr>
<td>P306</td>
<td>Care network and one-year outcome after a severe traumatic brain injury (TBI) in the Parisian area</td>
<td>Azouvi P., Bosserelle V., Boumendil A., Aegerter P., Weiss J.J. (FR)</td>
</tr>
<tr>
<td>P307</td>
<td>Pituitary dysfunction is frequent in patients with traumatic brain injury</td>
<td>Kozlowski O., Yollin E., Corte-Rudelli C., Fontaine P., Rousseaux M. (FR)</td>
</tr>
<tr>
<td>P309</td>
<td>Second language impairment after severe traumatic brain injury in polyglots</td>
<td>Polczynska-Fiser M., Mazaux J.M. (FR)</td>
</tr>
</tbody>
</table>
## SPORTS - Part 1

### Chairs:
Hasçelik Z. (TR) and Michail X. (GR)

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.30</td>
<td>Comprehensive rehabilitation of sports injuries</td>
</tr>
<tr>
<td></td>
<td>I119 Christodoulou N. (CY)</td>
</tr>
<tr>
<td>14.00</td>
<td>The comparison between plyometric exercise and vibration training on vertical jump, static stability and muscle strengthening</td>
</tr>
<tr>
<td></td>
<td>O194 Safavi-Farokhi Z., Bakhtiyari A.H. (IR)</td>
</tr>
<tr>
<td>14.10</td>
<td>Low-back problems in tennis, volleyball and scuba diving prevalence and specific risk factors</td>
</tr>
<tr>
<td>14.20</td>
<td>The influence of the primary spinal angle during the starting position of the swing on the incidence of low back pain in golfers</td>
</tr>
<tr>
<td></td>
<td>Busschots R., Peers K. (BE)</td>
</tr>
<tr>
<td>14.30</td>
<td>Conservative versus surgical treatment on groin pain: Still a controversial issue in sports medicine</td>
</tr>
<tr>
<td></td>
<td>O197 Araújo J.P., Guimarães F., Cantista P. (PT)</td>
</tr>
<tr>
<td>14.40</td>
<td>The effect of increasing the instability of weight bearing surface on the activity of the periartricular shoulder muscles during close chain activity</td>
</tr>
<tr>
<td></td>
<td>O198 Kalantari K.K., Ghasemi M., Berenji S. (IR)</td>
</tr>
<tr>
<td>14.50</td>
<td>Prevention of sports injuries during competition in an America’s cup yachting-race crew - Effectiveness of a specific program of physiotherapy</td>
</tr>
<tr>
<td></td>
<td>O199 Hadala M., Barrios C. (ES)</td>
</tr>
</tbody>
</table>

### Coffee Break in the Exhibition Hall

## SPORTS - Part 2

### Chairs:
Hasçelik Z. (TR) and Michail X. (GR)

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.00</td>
<td>Peripheral nerve entrapment syndromes in the athlete</td>
</tr>
<tr>
<td></td>
<td>O200 D’eer I., Catry P., Dijs H., Verheyen G., Stassijns G. (BE)</td>
</tr>
<tr>
<td>16.20</td>
<td>Treatment of exertional compartment syndrome leg with botulinum toxin A: A first open pilot study</td>
</tr>
<tr>
<td></td>
<td>O201 Lecoq J., Isner-Horobeti M.E. (FR)</td>
</tr>
<tr>
<td>16.30</td>
<td>Exercise-induced rhabdomyolysis after eccentric training for Achilles tendinopathy: A case report</td>
</tr>
<tr>
<td></td>
<td>O202 Steyaert A. (BE)</td>
</tr>
<tr>
<td>16.40</td>
<td>The effect of substantia P on sutured Achilles tendon rupture in the rat</td>
</tr>
<tr>
<td></td>
<td>O203 Steyaert A., Burssens P., Forsyth R., Vercruysse C. (BE)</td>
</tr>
<tr>
<td>16.50</td>
<td>Sports participation in adolescents and young adults with spina bifida and its role in total physical activity behaviour and fitness</td>
</tr>
<tr>
<td>17.00</td>
<td>Prevalence of anemia in Iranian athletes participating in the camps for selecting female national teams</td>
</tr>
<tr>
<td></td>
<td>O205 Torkan F., Kabir A., Hakemi L. (IR)</td>
</tr>
</tbody>
</table>
SPORTS IN THE ELDERLY - Part 1
Chairs: Berteanu M. (RO) and Petrovic M. (BE)

08.30  Sports in the elderly
I120  Hasçelik Z. (TR)

08.55  Ageing muscles: Background, implications and recommendations
I121  Cambier D.C. (BE)

09.20  Implications of ageing from the perspective of exercise physiology
I122  Bourgois J. (BE)

09.45  Assessment of strength & structure: Isokinetic testing & sonography
I123  Özçakar L. (TR)

10.10  Tailored physical rehabilitation in the elderly
I124  Petrovic M. (BE)

10.35  Coffee Break in the Exhibition Hall

SPORTS IN THE ELDERLY - Part 2
Chairs: Berteanu M. (RO) and Petrovic M. (BE)

11.00  The rehabilitation program by elderly patients with osteoporoses bones
O206  Popova Ramova E., Stoilova S., Tuteska J. (MK)

11.10  Course of limitations in activities in osteoarthrosis of the hip or knee
O207  The influence of physical impairments, comorbidity and cognitive dysfunction
Van Dijk G.M., Veenhof C., Dekker J. (NL)

11.20  Effects of an adapted physical activity program on flexed posture in elderly: An RCT study
O208  Frizziero A., Berti L., Presti C., Cremonini K., Benedetti M.G. (IT)

11.30  Can cycling be used to train muscles for stair climbing?
O209  Kerr A., Rafferty D., Moffat F., Morlan G. (GB)

11.40  Effects of high intensity local acoustic vibrational training on strength, cellular and
O210  molecular modifications in aged human skeletal muscle
Iodice P., Di Tano G., Doria C., Fanò G., Saggini R. (IT)

11.50  A view about the peculiarities in the rehabilitation of old spastic patient after different
O211  brain injuries
Sidenco E.L., Enciu R. (RO)

12.00  Associations between positive emotion and recovery
O212  Ostir G., Berges I.M. (US)

12.10  Burden of disability among disabled elderly
O213  Kahana E., Kahana B., Kelley-Moore J., Brown J., King C. (US)

12.20  Lunch Break in the Exhibition Hall
UEMS FIELD OF COMPETENCE - Part 1
Chairs: Delarque A. (FR) and De Korvin G. (FR)

08.30  The field of competence of PRM-specialists in Europe – New challenges
1125  Gutenbrunner C. (DE)

09.00  Learning and education as part of the rehabilitation strategy
1126  Didier J.P. (FR)

09.30  Use of physical therapies in rehabilitation
1127  Fialka-Moser V. (AT)

10.00  Telerehabilitation - A new strategy for long-term rehabilitation measures
1131  Schupp W. (DE)

10.30  Coffee Break in the Exhibition Hall

UEMS FIELD OF COMPETENCE - Part 2
Chairs: De Korvin G. (FR) and Quittan M. (AT)

11.00  Team working in rehabilitation
1129  Neumann V. (GB)

11.30  Balneology as part of the field of competence of PRM specialists
1130  Cantista P. (PT)

12.00  Manual medicine – Part of PRM-practice
1128  Smolenski U.C. (DE)

12.30  Lunch Break in the Exhibition Hall
<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT</th>
</tr>
</thead>
</table>
| 08.30 | WORKSHOP 1: EMG BASICS: NCS STUDIES AND NEEDLE EMG  
Teacher: Paternostro-Sluga T. (AT)  
Anatomy and pathophysiology of the peripheral nervous system will be described. Type of lesions, classification and biomechanical properties will be presented. The principles of NCS and EMG techniques will be shown. The participant will learn how to perform basically NCS and EMG examinations. Emphasis will be made on the techniques of examination to avoid pitfalls. The frequent pitfalls will be discussed and participants will learn to anticipate and detect technical problems within the examination process. The electrophysiological evaluation of the carpal tunnel syndrome will be presented as clinical example.  
Pre-registration is mandatory. |
| 10.30 | Coffee Break in the Exhibition Hall |
| 11.00 | WORKSHOP 2: EMG EVALUATION OF THE DIAPHRAGMA MUSCLE  
Teacher: Vanden Bossche L. (BE)  
After this course the participant should be able to perform routine diaphragma EMG. The course contains three parts. In the first part an anatomical review of the phrenical nerve will be given. In the second part the different EMG evaluation techniques will be discussed. These consist of the motor conduction studies and needle examination. Finally, a demonstration will be given on a test subject. After this, participant will be given the opportunity to practise on a test subject.  
Pre-registration is mandatory. |
| 12.30 | Lunch Break in the Exhibition Hall |
MISCELLANEOUS - Part 3

Chairs: Mazaux J.M. (FR) and Damjan H. (SI)

08.30 Age-specific velocities for initiation of neurogenic reciprocal arm swing during normal gait:
O214 Implications for neurofacilitative gait rehabilitation
Allen R.J., Harada G.A., Howrath C.C., Murphy J.M. (US)

08.50 Italian multicenter retrospective data collection about poststroke patients treated by ITBU
Bortolotti P., Brambilla M., Feller S., Formisano R., Lanzillo B., Loffredo M., Molteni F., Posteraro F. (IT)

09.10 Effect of rehabilitation on fatigue in liver transplant recipients
Stam H.J. (NL)

09.20 Exercise and exer-rest: What’s the difference?
O217 Adams J.A., Sackner M.A. (US)

09.30 Can exercise limits prevent post-exertional malaise in chronic fatigue syndrome?
O218 A clinical trial

09.40 Suitability of action research arm test (ARAT) for functional assessment after hand
O219 allotransplantation
Ninkovic M. (AT)

09.50 Evaluation of existing methods for learning physical medicine and rehabilitation

10.00 PRM resident following spinal cord injuries
O221 Kyriakides E.A., Stam H.J. (NL)

10.10 An attempt to preserve muscle mass in patients harmed by malnutrition by using
physiotherapy and nutrition
O222 Tosnerova V., Juraskova B., Žadak Z., Osladil T., Stmadova Z. (CZ)

10.20 Coffee Break in the Exhibition Hall

WORKSHOP 3: EMG EVALUATION OF THE FACIAL NERVE
Teacher: Rimbaut S. (BE)

11.00 After this course the participant should be able to perform routine facial nerve EMG. The
course contains three parts. In the first part an anatomical review of the facial nerve and
the trigeminal nerve will be given as well as the physiology of the blink reflex. In the second
part the different EMG evaluation techniques will be discussed. These consist of the motor
conduction studies, the blink reflexes and needle EMG. Finally, a demonstration will be
given on a test subject. After this, participant will be given the opportunity to practise the
techniques on each other.

12.30 Lunch Break in the Exhibition Hall
NEUROLOGICAL IMPAIRMENT - Part 1
Chairs: Juocevicius A. (LT) and Frischknecht R. (CH)

08.30 A comparative study of admission criteria to stroke rehabilitation unit in four European centers
Putman K., Leys M. (BE)

08.40 Discharge disposition after inpatient stroke rehabilitation: An international comparison

08.50 The stroke inpatient rehabilitation care pathway: Program description
Dunstone C., Weinstein M.S. (US)

09.00 Prediction of motor outcome six months after a stroke
Duarte E., Marco E., Boza R., Tejero M., Guillen A., Escalada F. (ES)

09.10 Falls, fractures and osteoporosis in the stroke patient
Lains J., Dias D., Noronha C. (PT)

09.20 Are rotations in perceived visual vertical and body axis after stroke caused by a same mechanism?
Barra J., Benaim C., Chauvineau V., Ohlmann T., Gresty M., Pérennou D. (FR)

09.30 Kinematic CAD orthosis for hemiplegics
Boyer F., Pradon D., Marion R., Beaumont F., Pollidori G., Taiar R. (FR)

09.40 Rehabilitation of balance after stroke by multisensorial training: A randomized controlled trial
Yelnik AP., Le Breton F., Colle F.M., Bonan I.V., Schnitzler A., Pérennou D., Vicaut E. (FR)

09.50 Treadmill walking with body weight support in stroke patients during acute phase
Maestrini E., Franceschini M., Agosti M., Saccavini M., Antenucci R., Malgrati D. (IT)

10.00 The role of Lokomat in central neurological impaired patients:
A prospective, crossover gait rehabilitation study
Mortelé P. (BE)

10.10 Functional outcome in spinal tuberculosis
A 5 years experience from a tertiary care center in United Arab Emirates
Jham K. (AE)

10.20 Coffee Break in the Exhibition Hall
NEUROLOGICAL IMPAIRMENT - Part 2

Chairs: Juocevicius A. (LT) and Frischknecht R. (CH)

11.00  Optimising outcomes after Guillain Barre syndrome
       I150 McNamara A. (IE)

11.20  Contribution of each lower limb to upright standing in stroke patients

11.30  Mirror therapy in patients after stroke with upper-extremity hemiparesis
       O236  Stirane D., Kiukucane E., Tomberga E., Tanenberga I., Vetra A. (LV)

11.40  Conventional muscular strengthening of the hemiparetic knee in poststroke patients:
       O237  A randomised controlled trial
       de Boissezon X., Burlot S., Gasq D., Castel-Lacanal E., Roques C.F., Marque Ph. (FR)

11.50  The effects of cycloergometer training on heart rate and arterial systolic pressure after stroke
       O238  Degache F., Roche F., Courbon A., Calmels P. (FR)

12.00  Dysphagia management in stroke patients
       O239  Darwish A.S., Ivanouk M.K. (KW)

12.10  Ecological assessment of numerical competence in vascular aphasic patients
       O240  Bayen E., Peskine A., Prevost C., Pradat-Diehl P. (FR)

12.20  Adults with bilateral spastic cerebral palsy are at risk for an inactive lifestyle

12.30  Lunch Break in the Exhibition Hall
FRIDAY 6 JUNE, 2008

ONCOLOGICAL REHABILITATION

Chairs: Fialka-Moser V. (AT) and Bourgois J. (BE)

08.30  Eu’reka’: A multidisciplinary rehabilitation programme for adjuvant treated women with breast cancer
       Van Ruymbeke B., Cocquyt V., Van Belle S., Vanderstraeten G.G., De Smet K., Bourgois J. (BE)

08.45  Improving quality of life and re-employment for breast cancer survivors by offering assistance in rehabilitation
       Desiron H., Knippenberg E., Willems B., Neerinckx E. (BE)

09.00  The effect of a multidisciplinary rehabilitation program on the physical and psychosocial condition of oncological patients
       Gorris C., Claes G., Van Hoof E., Charlier C., Peers K. (BE)

09.15  Validation of the Spanish version of the FACTB+4, a specific questionnaire for related breast cancer upper limb lymphedema
       Belmonte R., Garin O., Tejero M., Segura M., Sanz J., Guillen A. (ES)

09.30  Altered 3-dimensional kinematics of the shoulder following treatment for breast cancer
       Shamley D., Srinaganathan R., Oskrochi R., Lascurain-Aguiberra I., Sugden E. (GB)

09.45  Whole body vibration in breast cancer survivors

10.00  Multidisciplinary pulmonary rehabilitation in radically treated lung cancer patients: A pilot study
       Salhi B., Derom E., van Meerbeeck J. (BE)

10.15  Diagnosis and treatment of multiple myeloma
       Mendez K.V., Cuenca C., Flores I., Barca I., Gomez A., Lopez E. (ES)

10.30  Coffee Break in the Exhibition Hall
11.00 Effect of high dose botulinum toxin injection on impairment, activity and participation among stroke patients presenting with a stiff-knee gait
Caty G.D., Detrembleur C., Bleyenheuft C., Deltombe T., Lejeune T.M. (BE)

11.10 Assessment of kinetic parameters in physically competent women with jumping mechanography
Dionyssiotis Y., Michas G., Galanos A., Lyritis G.P., Papaioannou N. (GR)

11.20 Neuromuscular electrical stimulation reduces skeletal muscle protein degradation and stimulates insulin like growth factors in an age and current dependent manner
Strasser E.M., Stättner S., Karner J., Klimpfinger M., Goll A., Roth E., Quittan M. (AT)

11.30 Diagnosis and treatment of balance impairment in neuropathic and non neuropathic diabetic patients
Gimigliano F., Iolascon G., Saccomanno F., Gimigliano R. (FR)

11.40 Effect of transcutaneous electrical nerve stimulation on sensory function in patients with painful diabetic polyneuropathy
Moharic M. (SI)

11.50 The effects of virtual reality treatment using playstation ii eyetoy games on gait symmetry after stroke
Binay V., Yavuzer G., Atay M.B. (TR)

12.00 Myopathy in CRPS-I: Disuse or nerve lesion?

12.10 Evaluation of the Addenbrooke’s cognitive examination validity in a brain injury rehabilitation setting
Gaber T., Mannemela S. (GB)

12.20 The effects of cortical visual field defects on dynamic visual search: Insights for rehabilitation
Jacquin-Courtois S., Bays P., Leff A., Husain M. (FR, GB)

12.30 Lunch Break in the Exhibition Hall
UROLOGICAL AND SEXUAL PROBLEMS - Part 1

Chairs: De Muynck M. (BE) and Everaert K. (BE)

13.30 Neuroanatomy and neurophysiology related to sexual dysfunction in neurogenic patients
   I132 Everaert K. (BE)

13.55 Perineal electrophysiologic testings
   I133 Amarenco G. (FR)

14.45 Pelvic morphology and perineal descent

14.55 Pelvic floor muscle assessment and training
   I134 Bø K. (NO)

15.20 Coffee Break in the Exhibition Hall

UROLOGICAL AND SEXUAL PROBLEMS - Part 2

Chairs: De Muynck M. (BE) and Everaert K. (BE)

16.00 Electrical stimulation for urinary incontinence
   I135 Varela Donoso E. (ES)

16.20 Bladder and pelvic floor dysfunction in multiple sclerosis:
   I136 The role of conservative treatment
   Di Benedetto P. (IT)

16.40 Electronic urine flow regulator in post-traumatic sphincter-detrusor reflex atrophy of the
   urinary bladder
UEMS SESSION - QUALITY OF CARE: A EUROPEAN ACCREDITATION SYSTEM

Part 1
Chairs: Delarque A. (FR), De Korvin G. (FR), Giustini A. (IT)

I. Description and recommendations

13.30 Quality of care: A core issue for PRM in Europe
I137 Delarque A. (FR)

13.40 Fundamental concepts about quality of care in PRM
I138 Sjölund B.H. (DK)

14.00 Organization of a European programme of accreditation:
    Aims and goals, internet tools, procedure
I139 De Korvin G. (FR)

14.20 The jury’s function: The decision process and consultation with the applicant
I140 Kullmann L. (HU)

14.40 Reasons for and methods of participation in the accreditation programme?
I141 Lejeune T. (BE)

15.00 Overview of accredited programmes of care
I142 Juocevicius A. (LT)

15.20 Coffee Break in the Exhibition Hall

Part 2
Chairs: De Korvin G. (FR) and Quittan M. (AT)

II. Examples of accreditation programmes

16.00 Posttraumatic geriatric rehabilitation
    Accreditation of the quality of care in physical and rehabilitation medicine
I143 Quittan M. (AT)

16.10 General physical and rehabilitation medicine
I144 De Korvin G. (FR)

16.20 PRM and people with stroke
I145 Goljar N. (SI)

16.30 PRM and people with neurological disorders – Programme n° 8
I146 Dénes Z. (HU)

16.40 Accredited programme n° 9: PRM and patients with neurological disorders
I147 Giustini A. (IT)

16.50 Accredited programme n° 18: PRM and people with spinal cord injury
I148 Kesiene J. (LT)

17.00 Accredited programme n° 19: Rehabilitation of amputees
I149 Presern Strukelj M. (SI)

17.10 Discussion
WORKSHOP 8: ARTICULAR AND PERIARTICULAR INFILTRATION TECHNIQUES ULTRASOUND GUIDED – HANDS-ON SESSION
Teacher: Parlevliet T. (BE)

13.30 The course consists of two parts. In the first part theoretical information will be given about indications, contra-indications as well as the place of preference to give the interventional infiltration. In the second part a practical demonstration on a model will show how to perform the infiltration with explanation of the most commonly performed procedures. Examination, placement of needle and approach will be discussed. Regions that will be addressed: shoulder, knee, carpal tunnel, lateral elbow.

Pre-registration is mandatory.

15.30 Coffee Break in the Exhibition Hall

WORKSHOP 5: EXTRACORPOREAL SHOCK WAVE THERAPY APPLICATIONS IN TENDINOPATHIES
Teacher: Peers K. (BE)

16.30 During this course theoretical information will be given about the ExtraCorporeal Shock Wave Therapy with the specific indications and contra-indications. In the second part practical demonstrations will be given about the tendinopathies that are treated with ECSWT. The procedure of the combination ultrasound guided ECSWT will be performed.

Pre-registration is mandatory.
SPASTICITY - Part 3
Chairs: Lains J. (PT) and Deltombe T. (BE)

13.30  The association between subjectively and objectively assessed levels of spasticity during daily activities in complete spinal cord injured patients

13.45  Patient-rated spasticity: Associations with pain, coping, and cognitions in chronic spinal cord injured patients

14.00  Spasticity in the lower limbs as perceived by patients with complete spinal cord injury during daily activities

14.15  Stabilometry may contribute to predict gait performance in chronic hemiparetic stroke patients
Nardone A., Godi M., Grasso M., Schieppati M. (IT)

14.30  Italian multicenter retrospective data collection about patients affected by acquired brain injury and treated with ITB

14.45  Clinical - functional outcome and complications of intrathecal baclofen administration for severe spasticity
Konofau V., Themistocleous M.S., Boviatsis E.J., Bouras T.I., Flaskas T.N., Sakas D.E. (GR)

15.00  Coffee Break in the Exhibition Hall

SPASTICITY - Part 4
Chairs: Lains J. (PT) and Deltombe T. (BE)

16.00  Spasticity: A big mismatch for a global motoneuron driving impairment
Marque P. (FR)

16.20  Quantitative assessment of anesthetic nerve block and selective neurotomy in spastic equinus foot: About two cases
Bleyenheuft C., Detrembleur C., Deltombe T., Lejeune T. (BE)

16.40  Selective tibial neurotomy in the treatment of the spastic equinovarus foot after stroke: A 2 years longitudinal follow-up of 30 cases
Deltombe T., Jamart J., Gustin T. (BE)

17.00  Lateral approach for infiltration of the subscapularis muscle: Its efficacy and safety
Maia M., Teles J., Pires F., Festas M. J., Parada F. (PT)
13.30 Complications of severe traumatic brain injury and their relationship with the functional outcome in patients with severe traumatic brain injury
Kouloulas E., Boviatsis E., Papadeas A., Tzanos G., Bakas E., Sakas D. (GR)

13.40 Prognostic indicators of severe traumatic brain injury, their alteration in time and its relationship with the functional outcome in patients with severe traumatic brain injury
Kouloulas E., Boviatsis E., Papadeas A., Tzanos G., Bakas E., Sakas D. (GR)

13.50 The effect of age on executive functioning after acquired brain injury in adults
Chevignard M., Taillefer C., Poncet F., Picq C., Pradat-Diehl P. (FR)

14.00 TBI rehabilitation comparison of two different organizing models in an intensive rehabilitation department: worse, better, identical?
Zaccaria B., Mammi P., Ranza E., Saccavini M. (IT)

14.10 Body weight support treadmill (BWST) training in individuals post-hemispherectomy
de Bode S., Ramsey L., Fritz S. (NL)

14.20 The effects of pramipexolo on patients in a vegetative state following severe cerebral lesions: A study of EEG spectral analysis
Posteraro F., Belloli S., Battaglia A. (IT)

14.30 Rehabilitation of patients with spinal and medullary traumatic disease
Capros N. (MD)

14.40 Physical independence during and after inpatient rehabilitation for spinal cord injury and the association with physical capacity and complications

14.50 Neuropathic pain in chronic SCI patients

15.00 Causes of death after traumatic spinal cord injury in the western region of Norway 1952-2001
Hagen E.M., Rekand T., Gilhus N.E., Gronning M. (NO)

15.10 Coffee Break in the Exhibition Hall
NEUROLOGICAL IMPAIRMENT - Part 4

Chairs: Oostra K. (BE) and Foti C. (IT)

16.00 Effects of bilateral movement training versus distributed constraint-induced therapy on upper limb control in patients with chronic stroke: A kinematic study
Wu C.Y., Lin K.C., Chen Y.A., Chen C.L. (TW)

16.10 Benefits of interval-training on fatigue and functional capacities in Charcot-Marie-Tooth disease
EL Mhandi L., Millet G.Y., Calmels P., Richard A, Oullion R., Féasson L. (FR)

16.20 The effect of functional electrical stimulation (FES) on the physiological cost of walking in people with multiple sclerosis
Paul L., Rafferty D. Young S., Miller L., Mattison P. (GB)

16.30 A lifespan perspective on functioning and health of adults with childhood onset disability
Roebroeck M.E., van den Berg-Emons H.J.G., Stam HJ. (NL)

16.40 Neurogenic heterotopic ossification: A review from the literature
Noronha C., Lains J., Dias D., Campos I. (PT)

16.50 The prevalence of smoking in patients admitted to a neurological rehabilitation unit
Chia K., de Graaff S. (AU)

17.00 Acute neurosurgical rehabilitation beginning during the intensive care (pilot study)
Lippert Grüner M. (DE)
WORKSHOP 10: REHABILITATION OF ADOLESCENT IDIOPATHIC SCOLIOSIS: CLINICAL CASES ON BRACING AND EXERCISES - Organized by the Society on Scoliosis Orthopedic and Rehabilitation Treatment (SOSORT)  
Teachers: Rigo M., (President of the SOSORT, ES), De Mauroy J.-C. (FR) and Negrini S. (General Secretary of the SOSORT, IT)

13.30 In this workshop we will introduce participants to the world of adolescent idiopathic scoliosis rehabilitation treatment, giving three clinical cases presentation of patients with different patterns of scoliosis: thoracic scoliosis, lumbar scoliosis and double curve scoliosis. The three clinical cases will related to patients treated with bracing and exercises according to the three main European schools: Lyon brace and exercises, Cheneau brace and Schroth exercises, SPoRT brace and SEAS exercises. For each patient the clinical presentation and initial data collection will be given, together with the x-ray presentation; the clinical reasoning and “what, why & how” to do will be presented, and the treatment applied will be thoroughly discussed, together with the results obtained. The participant will appreciate similarities and specific differences, and will be able at the end of the workshop to understand what a modern, evidence-based, committed approach to these patients should be. 
This workshop will be complimentary to the theoretical lectures that will be given in a specific session during the Congress.

Pre-registration is mandatory. This workshop is free of charge.

15.30 Coffee Break in the Exhibition Hall

WORKSHOP 11: PLANTAR PRESSURE MEASUREMENTS AS PART OF THE BIOMECHANICAL ASSESSMENT  
Teacher: Roosen P. (BE)  
Sponsored by RSscan

16.30 In the literature pressure distribution is concerned as the mirror of gait. Many articles have been published about the use of plantar pressure measurements in specific clinical situations. These systems have also been used in scientific research, for example in looking at risk factors for overuse injuries. Therefore the measurement of plantar pressures offers the clinician an objective tool to detect abnormal gait patterns and to evaluate a specific treatment in a pre/post situation. After this workshop the attendees will be aware of the indications of plantar pressure measurements. By means of case-studies variables such as peak pressure, pressure time integral, impulse, centre of pressure displacement and velocity and several ratios will be discussed. The workshop will also illustrate the clinical interpretation and misinterpretation of plantar pressure measurements.

Pre-registration is mandatory.
FORUM 6

16th European Congress of Physical and Rehabilitation Medicine
‘From Cell to Society’

CLOSING CEREMONY

18.00 Awards Ceremony
   Trans European Scientific Contest (TESC)
   Giustini A. (IT)

   Best Poster Awards
   Nielens H. (BE)

   The 10 Awards of the UEMS PRM-Section and European Board
   Michail X. (GR)

   Prize of the European Journal of Physical and Rehabilitation Medicine
   Negrini S. (IT)

18.10 Prize of the European Academy of Rehabilitation Medicine 2007
   Chantraine A. (CH)

18.15 Presentation of the 17th European Congress of PRM - Venice, Italy, 2010
   Giustini A. (IT)

18.20 Presentation of the 5th ISPRM Congress – Istanbul, Turkey, June 13-17, 2009
   Akyuz G. (TR)

18.25 Presentation of the 7th Mediterranean Congress of Physical and Rehabilitation Medicine
   Portoroz, Slovenia, September 18-21, 2008
   Marincek C. (SI)

18.30 Presentation of the 23rd SOFMER Congress - Mulhouse, France, October 23-25, 2008
   Sengler J. (FR)

18.35 Official Closing of the 16th European Congress of PRM
   Vanderstraeten G.G. (BE)
POSTER LIST
WEDNESDAY
4 JUNE, 2008
P1  Bladder dysfunction and sacral Tarlov cysts: An unsuspected diagnosis
   Bru I., Geers S., De Muynck M. (BE)

P2  Learning and memory disorders in 6-hydroxydopamine-induced rat model of Parkinson’s disease
   Ciobica A., Hritcu L., Artenie V., Padurariu M. (RO)

P3  The implication of oxidative stress in a rat model of Parkinson’s disease
   Ciobica A., Hritcu L., Artenie V., Padurariu M. (RO)

P4  Case report: Effectiveness of donepezil (Aricept ®) on memory, attention and REM-sleep in an adolescent with severe traumatic brain injury
   van Rhijn J., Ansoms N., Ceulemans B. (NL)

P5  Subjects with physiological vertical heterophoria are less stable than subjects with vertical orthophoria
   Matheron E., Kapoula Z. (FR)

P6  Is physical activity and aerobic fitness related to memory retrieval in elderly adults?

P7  Exercise performance in chronic bronchial asthmatic patients
   Traistaru R., Marcu R., Popescu R. (RO)

P8  Effort adjustment in patients following lung cancer thoracotomy
   Arribas Manzanal P.D., Rodríguez Rodríguez L.P., Ramiro González M., Ivanovic Barbeito Y., Rodríguez González O., Hernando Trancho F. (ES)

P9  Efficacy of respiratory physiotherapy combined with Ventilation Percussive Intrapulmonary (VPI) in stable adult
   Atin Arratibel M.A., Bernabeu Lledó M., Martinez Tardido M., Guillen M. (ES)

P10 The chest shape characteristic in explosive expiration – Pilot study
    Piklová K., Stepánik Z., Zeman J., Otáhal S. (CZ)

P11 Preliminary study of variation of BODE index in patients with EPOC submitted to a lung transplant
    Tapiador N., Ramos M., Gotor P., Hijas A., Ussetti P. (ES)

P12 Teriparatide for patients in a lung transplant program

P13 The treatment of the postoperative lobar atelectasis with percussion machine
    Mujovic N., Zugic V., Nikcevic Lj. (RS)

P14 The effect of detraining in athletes with cardiac rhythm disturbance
    Shahrjerdi S., Shahrjerdi S., Nazari A. (IR)

P15 Management principles in rehabilitation of surgically treated cardiac out-patient

P16 Exercise rehabilitation programs increase quality of walk in patients with Peripheral Arterial Disease (PAD)
    Patru S., Bighea A.C., Popescu R., Marcu I.R. (RO)
The changes in concentration of D-dimers in serum of patients with lymphoedema before, during and after using intermittent negative pressure on the lower extremities
Devecerski G., Mitic G., Milicevic B., Belic B. (RS)

Can vertebral dysfunction lead to heart arrest? A case report
Atabas E. (DE)

Early cardiac rehabilitation and risk stratification after myocardial infarction
Capros N. (MD)

Development of cardiovascular risk factors after an individualized in-hospital rehabilitation program: 1- and 3- year follow-up
Schimmer C., Reents W., Krannich J.H., Sommer S.P., Bensch M., Leyh R. (DE)

Physical activity profile in heart failure patients: Why are the guidelines not followed in Brazil?
Carvalho V.O., Guimarães G.V., Torlai V., Ayub S., Bocchi E.A. (BR)

Effect of exercise training on 24-hour ambulatory blood pressure monitoring in heart failure patients
Carvalho V.O., Guimarães G.V., Ciolac E., Bocchi E.A. (BR) Heart Institute (InCor) of São Paulo University (USP), São Paulo, Brazil

Heart rate dynamics during treadmill cardiopulmonary exercise test in optimized beta-blocked heart failure patients
Carvalho V.O., Guimarães G.V., Ciolac E., Bocchi E.A. (BR)

Neurohumoral activity remains increased during 6-minute walking test after heart transplantation
Guimaraes G.V., dAvila V.M., Moura L., Carvalho V.O., Bacal F., Bocchi E.A. (BR)

Early rehabilitation following open-heart surgery on thoracic aorta
Lukic B., Krivokapic B., Otasevic P. (RS)

Heart rate variability – Style of life and bodies parameters defining structure
Fortuna M., Szczurowski J., Kolcz- Trzesicka A. (PL)

Heart rate variability responses to ascending and descending stairs – Validity of these results to cardiological rehabilitation in hospital
Fortuna M., Szczurowski J., Kolcz- Trzesicka A. (PL)

The impact of various eNOS polymorphism on clinical evolution of coronary patients with CABG referred to a comprehensive cardiac rehabilitation programme

Kinesitherapy as rehabilitation parameter in children after correction of congenital heart defects
Nikolic D., Petronic I., Cirovic D., Milincic Z., Knezevic T. (RS)

Rehabilitation of lymphedema
Cuenca C., Méndez K.V., Flores I., Barca I., Vacas R., Gómez A. (ES)

Hip pain in a tetraplegic patient – Iliopsoas abscess
Castro A., Morgado S., Cerqueira M.E. (PT)

Osteoporosis in Iran
Torkan F., Hakemi L. (IR)
P33  Is moderate physical activity enough for the prevention of spinal deformities due to osteoporosis in postmenopausal women?  
Mika A., Mika P. (PL)

P34  Botulinum Toxin Type A in the treatment of lower limb spasticity in children  
Turkalj I., Mikov A., Jakovljevic V., Mikov I. (RS)

P35  Treating spasticity – A case report  
Patatoukas D., Aggelis A., Farmakides A., Alexiou A., Hatzigiorgakis V., Roussos N. (GR)

P36  Training in body-weight-supported treadmill after severe brain injury  
Patatoukas D., Hatzigiorgakis V., Alexiou A., Sorras N., Kalatzopoulos D., Lagogiannis N. (GR)

P37  The effect on spasticity and stiffness of the ankle and the knee joint of continuous passive movement in chronic stroke patients - Short time effect and functional gait outcomes  
Toma C.L.M., Badea R., Dumitru L.V., Dinu H., Iliescu A. PT, Berteanu M. (RO)

P38  Comparison of two slings made of different fabrics in hemiplegic patients  
Ceceli E., Köybaşı M., Kurt E., Kocaoglu S., Borman P., Yorgancioglu Z.R., Özel S. (TR)

P39  Ashworth evaluation in different joint positions in hemiplegic patients  

P40  Spasticity and its association with functioning 6 months after stroke in young adults  
Diaconescu S., Galbeaza G., Marcu V., Popescu S., Dima A., Cinteza D. (RO)

P41  TENS versus paraffin applications for hand spasticity management in stroke patients  
Cinteza D., Poenaru D., Galbeaza G., Popescu S., Diaconescu S., Marcu V. (RO)

P42  Early use of intrathecal baclofen in a patient with severe traumatic brain injury  
Themistocleous M.S., Boviatsis E.J., Konofau V., Stavrinou L.C., Petropoulou K.B., Sakas D.E. (GR)

P43  The evaluation of spasticity according to position in patients with paraplegia  
Gokoglu F., Ceceli E., Kurultak D.C., Önder B., Borman P., Yorgancioglu Z.R., Akyüz M. (TR)

P44  Intrathecal baclofen pump in management of severe spasticity  
Tan K.M., Cornell C., Begley C., Hanapia F., Weyham A., McElligott J. (IE)

P45  Consensus statement for the treatment of adult spasticity with intrathecal baclofen  

P46  Cost-effectiveness of intrathecal baclofen therapy versus current therapies in disabling spasticity  

P47  Pain control in hemiparetic spastic shoulder  
Poenaru D., Cinteza D., Popescu S., Ionita L., Mateescu M. (RO)

P48  Using auriculotherapy to treat student anxiety during exam periods  
González López-Arza M.V., Varela Donoso E., González López-Arza L. (ES)

P49  Student's prior knowledge of evidenced-based medicine  
González López-Arza M.V., Varela Donoso E., González López-Arza L. (ES)

P50  Extracorporeal Shock Wave Therapy in the treatment of musculus biceps femoris partial rupture - Case study  
Karadzov-Nikolic A. (RS)
P51 New findings about therapeutic effects of whole-body vibration  

P52 Open versus closed kinetic chain exercises for patellar chondromalacia  
Bakhtiary A.H., Abdi M., Shorgashti F., Dehghani A. (IR)

P53 Effect of low-intensity UltraSound (US), Low-Level Laser Therapy (LLLT) and Electrical Stimulation (ES) on bone healing process – An animal study  
Shakouri S.K., Eftekharasat B., Reza Oskue M., Soleimanpour J., Sadogi A., Alyari K., Salekzamani Y. (IR)

P54 The effect of increasing the instability of weight bearing surface on the activity of the periarticular shoulder muscles during close chain activity  
Kalantari K.K., Ghasemi M., Berenji S. (IR)

P55 Influence of intermittent negative pressure treatments (Greensac®) on vascular and thrombocyte component of the hemostatic system in patients with lymphoedema of the lower extremities  
Devecerski G., Milicevic B., Novakovic B., Radakovic N. (RS)

P56 The role of glucosamine and chondroitin in osteoarthritis treatment – A review of the recent literature  
Murgu A., Mologhianu G., Nica A. (RO)

P57 Tonus reduction of trapezius muscle by modulated midfrequency electrotherapy on patients suffering from cervical spine syndrome  
Atabas E., Tilev K. (DE)

P58 Shock wave therapy in shoulder tendonitis  
Mirallas J.A., García M., Correas N., Casas M.J., Guardiola N. (ES)

P59 Shock wave therapy in plantar fasciitis  
Mirallas J.A., Torralba F., Ricarte T., Tudela M.J., Ibáñez E., Cardells B. (ES)

P60 Shock wave therapy in lateral epicondylitis  
Mirallas J.A., Ricarte T., Guardiola N., Casas M.J., Correas N., García M. (ES)

P61 Rehabilitation medicine – Important therapeutical sequence in the plastic surgery protocol case report in Lewandowsky-Lutz syndrome  
Scarlet R.G., Brailescu C.M. (RO)

P62 Evaluation of effectiveness of local insulin injection in non-insulin dependent diabetic patient with carpal tunnel syndrome  
Ashraf A., Yazdani A.H., Hadianfard M.J., Emad M.R. (IR)

P63 Statokinesigram of the posture as a tool for cerebellar ataxia rehabilitation  
Reyniers V., Libois P.Y., Zanchetta D., Contrino P. (BE)

P64 The effects of balneotherapy on endothelial function in patients with rheumatoid arthritis  
Demirdal U.S., Cakir T., Evik D., Onrat E., Kavuncu V. (TR)

P65 Tramadol iontophoresis adding to the treatment of the knee osteoarthritis  
Turhanoglu A.D., Guler H., Inanoglu D., Inanoglu K., Turhanoglu S. (TR)

P66 Effectiveness of combined physiotherapy in patients with temporomandibular disorder  
Kaya K., Unsal S., Babadag M., Dulgeroglu D., Culha C., Ozel S., Gorgun S. (TR)
Diagnostic value of ultrasonography in the evaluation of the anterior disc displacement of temporomandibular joint
Kaya K., Dulgeroglu D., Unsal S., Babadag M., Barlak A., Ozel S. (TR)

Evaluation of bone mineral density in female patients with rheumatoid arthritis treated with corticosteroids
Vasic B., Popovic B., Milenovic N. (RS)

Diabetic foot ulcers – Presentation of three patients after treatment with Low Level Laser Therapy (LLLT)
Sedej B., Kos N. (SI)

Capacitive-resistive electric transfer therapy in the treatment of chronic rotator cuff tendinopathy
Pinto Coelho J., Almeida C., Duarte N., Gouveia S., Matias T., Pinto Soares C. (PT)

The effect of pulsed electromagnetic fields on range of motion and knee circumference in patients with osteoarthritis - A pilot study
Nemcic T., Grazio S., Grubisic F., Matijevic V., Skala H. (HR)

Comparison of isokinetic exercise versus standard exercise training in patients with chronic low back pain: A randomized controlled study
Sertpoyraz F., Eyigor S., Karapolat H., Cagiac K., Kirazli Y. (TR)

Effect of vestibular rehabilitation on symptoms, disability and balance:
Randomised controlled study
Giray M., Kirazli Y., Karapolat H., Çelebisoy N., Bilgen C., Kirazli T. (TR)

Low-intensity laser therapy and effects on musculoskeletal pain
Almeida C., Pinto Coelho J., Duarte N., Gouveia S., Sampaio F., Pinto Soares C. (PT)

Comparison of the influence of rehabilitative treatment at rehabilitation clinic and under home conditions on characteristics of gait after unilateral knee arthroplasty in female patients with knee osteoarthritis
Tali M., Maaroos J. (EE)

Autotraction and hyperthermia in low back pain
Foti C., Ljoka C., Pitruzzella M. (IT)

Qualitative analysis of physiotherapist’s countertransference reactions to patients
Allen R.J., Koshi L.R., Dreier D.M., Ashley O.A., Carter C.M. (US)

The interrelation of glutathione reductase, catalase, glutathione peroxidase, superoxide dismutase, and glucose-6-phosphate in the pathogenesis of rheumatoid arthritis
Kalpakcioglu B., Senel K. (TR)

Efficacy of a flexible orthotic device in patients with osteoporosis
Fink M., Kalpakcioglu B., Karst M., Bernateck M. (TR)

Treatment of dysphagia in patients with brain damage
Urko A. (EE)

The effect of intrathecal baclofen on the clinical outcome and gait pattern in patients with cerebral palsy

A conservative management of a patient with a large post-partum symphysis pubis diastasis
Kurowski M. (US)
<table>
<thead>
<tr>
<th>Poster</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>P83</td>
<td>Intensive rehabilitation program in Ankylosing Spondylitis (AS) patients</td>
<td>Poortmans B., Dugailly P.M., Salvia P., Gangji V., Steinfeld S., Tant L. (BE)</td>
</tr>
<tr>
<td>P84</td>
<td>Neurosensory training after simultaneous arthroscopic reconstruction in patients with complex ligamentous instability</td>
<td>Kaminska E., Piontek T., Cywinska-Wasilewska G., Wiernicka M., Dudzinski W., Ciemniewska-Gorzela K. (PL)</td>
</tr>
<tr>
<td>P85</td>
<td>Comparison of the efficacy of iontophoresis with dexamethasone and ultrasound therapies in conservative treatment of carpal tunnel syndrome</td>
<td>Duymaz T., Sindel D., Kesiktas N., Muslumanoglu L. (TR)</td>
</tr>
<tr>
<td>P86</td>
<td>Therapeutic ultrasound - Treatment impact on Baker cyst associated with primary gonarthrosis</td>
<td>Popescu S., Cinteza D., Poenaru D., Galbeaza G., Sidere M., Diaconescu S., Suciu V. (RO)</td>
</tr>
<tr>
<td>P87</td>
<td>Shoulder trigger points physical therapy</td>
<td>Tugui R.D., Sidenco E.L. (RO)</td>
</tr>
<tr>
<td>P88</td>
<td>Application of electromyographic biofeedback in rehabilitation after total knee arthroplasties</td>
<td>Oravitan M., Avram C., Galosi L. (RO)</td>
</tr>
<tr>
<td>P89</td>
<td>The benefit of interval exercise training programme on patients with metabolic syndrome</td>
<td>Avram C., Oravitan M., Sirbu E., Domokos M., Fira-Mladinescu O. (RO)</td>
</tr>
<tr>
<td>P90</td>
<td>Findings from studying the impact of electromagnetic fields on medical staff</td>
<td>Vesselinova L. (BG)</td>
</tr>
<tr>
<td>P91</td>
<td>Treatment of swallowing disorders by electrostimulation using VocaSTIM apparatus</td>
<td>Almoniene R., Sirvydaite E. (LT)</td>
</tr>
<tr>
<td>P92</td>
<td>Physical impairment and psychological transformation among elderly cancer survivors</td>
<td>Kahana B., Deimling G., Kahana E., Sterns S. (US)</td>
</tr>
<tr>
<td>P93</td>
<td>Regression of a lumbar disc herniation - A case report</td>
<td>Nikolik-Dimitrova E. (MK)</td>
</tr>
<tr>
<td>P94</td>
<td>Water environment in the therapy of the patients with hip joint degenerative changes</td>
<td>Lyp M., Kaczor R., Maciak W., Ogonowski A. (PL)</td>
</tr>
<tr>
<td>P95</td>
<td>Water-based exercise program for chronic renal patients – A 5-year follow up</td>
<td>Pechter U., Rosenberg M., Mesikepp S., Maaros J. (EE)</td>
</tr>
<tr>
<td>P96</td>
<td>Dysfunction of the sacroiliac joint and its role in the low back pain syndrome</td>
<td>Muñoz S., Muñoz R.M., Chana P., Valero R., Atín M. (ES)</td>
</tr>
<tr>
<td>P97</td>
<td>Shock wave therapy in chronic plantar fasciitis</td>
<td>Pozo Román A.M., de la Fuente de Hoz B., San Fabián Maroto J. (ES)</td>
</tr>
<tr>
<td>P99</td>
<td>The possibilities of pulsing electromagnetic field in treatment of patients with traumatic peroneal nerve lesions</td>
<td>Pavlovic A. (RS)</td>
</tr>
</tbody>
</table>
P100  Biomechanical complications of Achilles tendon lengthening
Gaber T.A.Z.K., Gautam V., Azer A. (GB)

P101  Total hip arthroplasty cases in sonographic presentation
Poposka A., Popova Ramova E. (MK)

P102  The incidence of clinical subgroups of psoriatic arthritis in a studied lot
Marcu R., Traistaru R., Patru S., Popescu R., Bighea A. (RO)

P103  Functional restoration of low back pain patients using documentation based care treatment concept
Kozakioglu Ozekici M., Atalay A. (TR)

P104  Rehabilitation of a patient with osteochondritis dissecans involving the lateral femoral condyle submitted to autologous osteochondral mosaicplasty: Case study
Lopes I., Talha J., Ribeiro da Silva M., Pinto R., Barroso J. (PT)

P105  Rehabilitation of a patient with snapping hip syndrome submitted to Z plasty: Case study
Lopes I., Torres J., Sousa P., Guitierres M., Trigo A., Barroso J. (PT)

P106  Osteopoikilosis, a rare bone dysplasia
Díaz-Blázquez P., Ivanovic-Barbeito Y.P., Martín-Nozal M.L., Rodríguez-Rodríguez L.P., Flores-Torres I. (ES)

P107  The individual feature of coordinated head and eye movement could be a cause in neck and shoulder pain

P108  Study of the recovery of walk performance among stroke patients
Ben Salah Frih Z., Boudoukhane S., Ouannes W., Migaw H., Jellad A. (TN)

P109  Subacromial syndrome: Effectivity of a short rehabilitation exercises program

P110  Efficiency of the low back belt Thuasne Lomba-Cross Activity® in subacute low back pain
Thoumie P., Queneau P., Hamonet C., Avouac B., Le Pen C., Calmels P. (FR)

P111  3 year follow-up results in a group of patients treated conservatively
Dogu B., Tandir S., Yamac S., Sahin F., Kuran B. (TR)

P112  Parsonage-Turner syndrome: Case report
Dogu B., Sahin T., Yilmaz F., Dalgıc S., Kuran B. (TR)

P113  The effect of fibromyalgia on disease activity in patients with rheumatoid arthritis
Guler H., Turhanoglu A.D., Ozer C., Aslan F. (TR)

P114  The relationship between falling risk and foot musculoskeletal disorders in patients with rheumatoid arthritis
Guler H., Turhanoglu A. D., Balci A., Karazincir S., Ozer C., Bolaç V.E. (TR)

P115  Prevention of the low back pain in patients after unilateral orthopedic intervention of the inferior limb

P116  Prevention of the upper back pain in patients with unilateral shoulder functional insufficiency and shoulder instability
Koleva I.B., Popov N.E., Yoshinov R.D., Mircheva A.H. (BG)
<table>
<thead>
<tr>
<th>Poster Number</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>P117</td>
<td>Buruli ulcer regarding a clinical case</td>
<td>Pinto Coelho J., Afonso C., Cordeiro E. (PT)</td>
</tr>
<tr>
<td>P118</td>
<td>Dysfunction of the sacroiliac joint and its role in the low back pain syndrome</td>
<td>Muñoz S., Muñoz R.M., Chana P., Valero R., Atín M. (ES)</td>
</tr>
<tr>
<td>P120</td>
<td>Acute rehabilitation of young adult with operated traumatic hip fracture</td>
<td>Stojicic Djulic S., Lesic A., Milosevic I., Kruic Protic R., Damnjanovic G., Vesovic Potic V. (RS)</td>
</tr>
<tr>
<td>P121</td>
<td>Rare subcapital hip fracture – A case report of a pregnancy associated osteoporosis</td>
<td>Duarte N., Almeida C., Gouveia S., Coelho J., Cordeiro E., Pinto Soares C. (PT)</td>
</tr>
<tr>
<td>P122</td>
<td>Severe male osteoporosis with a L5 fracture: A case report</td>
<td>Noronha C., Lains J., Dias D., Campos I. (PT)</td>
</tr>
<tr>
<td>P123</td>
<td>Influence of custom made insoles following pedobarography for foot deformities</td>
<td>Roussos N., Farmakides A., Alexiou A., Sioutis I., Malakou D., Kalatzopoulos D. (GR)</td>
</tr>
<tr>
<td>P124</td>
<td>Knee pain after meniscectomy, secondary to lumbar and pelvic biomechanical dysfunction</td>
<td>Cocos A., Toma C.L.M. (RO)</td>
</tr>
<tr>
<td>P125</td>
<td>Comparison of intraarticular hyaluronic acid and short wave diathermy on the treatment of knee osteoarthritis</td>
<td>Onal B., Kalpakcioglu B., Bahadir C., Sahin Z., Korkmaz O. (TR)</td>
</tr>
<tr>
<td>P126</td>
<td>Piriformis syndrome: A forgotten entity</td>
<td>Maia M., Silva A., Teles J., Festas M.J. (PT)</td>
</tr>
<tr>
<td>P127</td>
<td>Conservative approach of complex proximal humerus fractures</td>
<td>Magalhaes S., Pinho R., Machado F., Cabral T. (PT)</td>
</tr>
<tr>
<td>P128</td>
<td>Rehabilitation of exuberant gout</td>
<td>Barata G., Tavares F., Simas F., Henriques J., Ramos N. (PT)</td>
</tr>
<tr>
<td>P129</td>
<td>Psoriatic arthritis</td>
<td>Zoric Z., Zoric S. (RS)</td>
</tr>
<tr>
<td>P130</td>
<td>Coccydynia following total knee arthroplasty</td>
<td>Kurowski M. (US)</td>
</tr>
<tr>
<td>P131</td>
<td>Particularities of back pain rehabilitation through McKenzie method</td>
<td>Sidenco E.L., Tugui R.D. (RO)</td>
</tr>
<tr>
<td>P132</td>
<td>Palmar fascitis and polyarthritis as a paraneoplastic syndrome associated with ovarian carcinoma: A case report</td>
<td>Montesinos L.L., Rosell I., Sanchez-Ray J., Jou N., Pages E., Simeon C.P. (ES)</td>
</tr>
<tr>
<td>P133</td>
<td>Physical therapy in patients with gonarthrosis</td>
<td>Spalevic M., Lazovic M., Stankovic I., Kocic M., Dimitrijevic L., Krstovic A. (RS)</td>
</tr>
<tr>
<td>P134</td>
<td>Total hip replacement - Patients perceptions</td>
<td>Spalevic M., Dimitrijevic L., Stankovic I., Kocic M., Krstovic A. (RS)</td>
</tr>
</tbody>
</table>
POSTERS ON DISPLAY WEDNESDAY 4 JUNE, 2008

P136  Spinal cord injury after minor cervical trauma ‘os odontoideum’

P137  Children and adolescents with spondylolisthesis/spondylolysis – What to do?

P138  Effects of balneo-therapy on mobility of lumbar segment of spinal column
Djordjevic M. (RS)

P139  Rheumatoid arthritis: Case report

P140  The efficacy of a new protocol for gait analysis to detect changes after functional surgery of
the foot
Manca., Benedetti M.G., Ferraresi G., Marchi P., Leardini A. (IT)

P141  Politraumatized patient rehabilitation management - The impact on the quality of life
Totorean A., Poenaru D.V., Ilia I., Popescu M., Nemes D. (RO)

P142  Hip arthroplasty in patients over 75 years of age with fracture of femoral neck
Kocic M., Lazovic M., Stankovic A., Spalevic M. (RS)

P143  Functional recuperation in a patient with almost complete rupture of the quadriceps tendon
Ramiro González M.D., Arribas Manzanal P.D., Fuertes Conejo R., González-Cifuentes Mondéjar M., Sabrino Moreno A. (ES)

P144  Biomechanical changes of foot in plantar fasciitis patients
Mandel T., Kuik R. (EE)

P145  Injuries among US adults with disabilities
Brophy M., Zhang X., Xiang H. (US)

P146  Osteopoikilosis – A case report
Crespo I., Sá da Costa D., Martins A., Oliveira V., Lorga S., Braz D. (PT)

P147  Hereditary multiple exostoses – Clinical case with an unusual presentation
Gouveia S., Duarte N., Almeida C., Pinto Coelho J., Sampaio F., Pinto Soares C. (PT)

P148  Evaluation of group education in rehabilitation medicine during the bachelor phase
Rommers G.M., Tepper M., Mulder G.A., Dekker R. (NL)

P149  Video-registration as an instrument for doctor’s self evaluation in communication during
residency training - A pilot study
Rommers G.M., Dierssen A.H.J., Maathuis C.G.B. (NL)
POSTER LIST
THURSDAY
5 JUNE, 2008
POSTERS ON DISPLAY THURSDAY 5 JUNE, 2008

P150 Rehabilitation outcomes after lower limb amputation
Skikic Mujic E., Trebinjac S., Nuri E., Ismail H. (AE)

P151 Physical capacity and balance ability after lower limb amputation
Juoccevicius A., Jurgeleviciene D., Janoniene D. (LT)

P152 Myoelectric prosthesis on the dominant limb and severe dysfunctional controlateral limb postelectrocution - Case report
Brailesescu C.M., Scarlet R.G. (RO)

P153 Upper limb amputee and HIV: Reintegration into society
Pinto Coelho J., Duarte N., Gouveia S., Almeida C., Sampaio F., Pinto Soares C. (PT)

P154 Prevalence and relationship of myokymic movements following limb amputation
Pande S.D., Van Ross E. (GB)

P155 Evaluation of health-related quality of life in patients with lower limb amputations
Tejero M., Muniesa J.M., Pou M., Boza R., Guillen A., Marco E. (ES)

P156 The post-acute rehabilitation amputations of the lower limb: Presentation of a clinical protocol
Rastelli T.F., Caseario M., Bravetti A., Fiorucci S., Nardi M. (IT)

P157 Dynamic computerized posturography in the assessment of balance in a transfemoral amputee
Cláudio S., Carvalho T., Camacho S., Soares Branco P., Sequeira F. (PT)

P158 Static night upper extremity splinting and botulinum toxin A injections in hemiplegic children with spastic cerebral palsy

P159 Selective percutaneous myofascial lengthening of the lower extremities in children with spastic cerebral palsy

P160 Cerebral palsy: Medico-economic possibilities for early diagnosis and complex neurohabilitation
The bulgarian model
Chavdarov I. (BG)

P161 Effects of muscle strengthening and electrical stimulation on lower limb kinematics in children with paraplegic cerebral palsy
Rosulescu E., Zavaleanu M., Avramescu T., Danoiu S., Gruionu L., Dragomir M. (RO)

P162 Application of manual massage in pain therapy in children
Savic K., Lackova J., Krasnik R., Vujic R. (RS)

P163 Effects of clonazepam on motor function and quality of life in athetoid cerebral palsy patients

P164 Therapeutic programs for treatment with dysgraphic children
Golubovic S. (RS)

P165 Logopedic treatment in child with Morbus Little
Prica N., Golubovic S. (RS)

P166 Role of the dysphagia & communication disorders rehabilitation sharing in multi-disciplinary teamwork rehabilitation
Darwish A.S.A. (KW)
P167  Clinical-demographical characteristics and ambulation outcomes of children with traumatic brain injury
Unsal S., Dulgeroglu D., Barlak A., Ozel S. (TR)

P168  Is the conservative treatment the first option for idiopathic toe-walkers? A case report
Atín M.A., Martín P., Ballestero R. (ES)

P169  Clinical research on improving the brain microcirculation of children with cerebral palsy by acupuncture
Liu Z. (CN)

P170  Study of clinical minicirculation effect of laser radiation for cerebral palsy
Liu Z. (CN)

P171  Exploratory development of combined rehabilitation treatment for children with cerebral palsy
Liu Z. (CN)

P172  Clinical observation on effect of clearing the governor vessel and refreshing the mind needling on head speci and CT scanning of kids with cerebral palsy
Liu Z. (CN)

P173  Education rehabilitation of children with mental retardation
Liu Z. (CN)

P174  A normative gait database for children aged from 6 to 12
Wieczorek V., Ramatte J., Faupin A., Thevenon A. (FR)

P175  Clinical and instrumental equinus foot classification in ambulant CP children

P176  Electrotherapy of functional obstipations in children
Cirovic D., Petronic I., Nikolic D., Dzamic D., Lukac M., Krstic Z. (RS)

P177  Evaluation of the impact in the functional ability of Rett syndrome
Monteiro C.B.M., Graciani Z., Torriani C., Cyrillo F.N., Fernandes S.M.S., Kok F. (BR)

P178  Transfer and locomotion abilities of patients with Rett and Angelman syndrome
Monteiro C.B.M., Graciani Z., Torriani C., Cyrillo F.N., Fernandes S.M.S., Kok F. (BR)

P179  Williams syndrome and scoliosis – A case report
Filipe F., Camacho S., Almeida S., Couta E., Sancho J. (PT)

P180  Effects of 3-years postoperative rehabilitation program in children with spastic paraplegic cerebral palsy
Zavaleanu M., Rosulescu E., Avramescu T., Danoiu S., Dragomir M., Ilinca I. (RO)

P181  The pattern of phonological processes in children’s speech aged 2 to 4 years
Ghasisin L., Jalilevand N., Kamali M. (IR)

P182  Relationships of verbal motor control and motor severity in children with spastic cerebral palsy
Chen C.L., Wu C.Y.I, Chou S.W., Tang S.F.T., Wong A.M.K. (TW)

P183  Amniotic band syndrome: Two clinical cases
Machado Vaz I., Teles J., Abreu S., Castelo Grande C. (PT)
P184 Rhombencephalosynapsis diagnosed in childhood: 2 new cases of Gomez-Lopez-Hernandez syndrome

P185 Early diagnostics and physical therapy protocols in treatment of children with obstetrical plexus brachialis lesion
Petronic I., Cirovic D., Brdar R., Raicevic M., Nikolic D. (RS)

P186 Assessment of regional GABA_A receptor binding using ^18F-fluoroflumazenil positron emission tomography in spastic hemiplegic cerebral palsy
Park C.I., Lee J.D., Rha D.W. (KR)

P187 Relationship between reading accuracy and visual memory of words in normal Farsi-speaking children
Rezaei P., Pourgharib J., Haghani H. (IR)

P188 Assessment of spinal cord mobility in children with chronic movement diseases
Targosinski P. (PL)

P189 Assessment of spinal cord mobility in children
Targosinski P. (PL)

P190 Programs and professional ‘styles of practice’ characteristics that influence in adherence to children’s home exercise programs

P191 The prevention of foot defects in children
Wiernicka M., Kaminska E., Ciechanowicz-Kowalczyk I., Kaczmarek D., Cywinska-Wasilewska G. (PL)

P192 A critical review of epidemiology and predisposing factors of accidents in children in Mashhad, Iran
Vakili R., Ghods T. (IR)

P193 Traumatic injuries in a paediatric population and promotion of child safety
Afonso C., Coelho J.P., Sousa P., Vasconcelos M.A., Reis V., Batalha I. (PT)

P194 Traumatic brain injury in pediatric population – Which social inclusion?
Afonso C., Coelho J.P., Sousa P., Proença S., Batalha I., Vasconcelos M.A., Reis V. (PT)

P195 Chorea: An uncommon neuropsychiatric manifestation of SLE in childhood
Alves A., Silva A.I., Pimenta S., Pinto P., Brito I. (PT)

P196 Our experience in achieving pain remission in patients with essential trigeminal neuropathy
Hristamian V., Ilieva E., Papathanasiou G., Georgieva E. (BG)

P197 Progressive scoliosis with familial horizontal gaze palsy - Case report
Cláudio S., Loff C., Soares Branco P. (PT)

P198 Traumatic lower limb amputation in a 3 years old child: Case report
Sousa P., Coelho J.P., Afonso C., Vasconcelos A., Reis V., Batalha I. (PT)

P199 Constraint-induced therapy: A method for the hand function improvement in children with hemiplegic cerebral palsy
Korelc S., Groleger Srsen K., Damjan H., Pihlar Z., Brezovar D. (SI)
P200 Standard urotherapy and pelvic floor exercises for children with dysfunctional voiding
Zivkovic V., Lazovic M., Vlajkovic M., Slavkovic A., Dimitrijevic L., Colovic H. (RS)

P201 LEAP- Lifestyle Educational Action Plan
Micallef-Stafrace K., Faerne C., Buttigieg N., Gatt E., Buttigieg G.G. (MT)

P202 Diagnosis of clavicular non-union in a baseball player
Vitale K., Jimenez A. (US)

P203 Karate injury patterns - Can we ‘kick’ the injury bug?
Vitale K., Jimenez A. (US)

P204 Electrical stimulation effect on muscles endurance
Shakouri S.K., Eslamian F., Pezeshki M.Z., Sadat B.E., Dargahi Z.I., Hoshyar Y. (IR)

P205 Isokinetic ankle strength in athletics
Edouard P., Leclair A., Degache F., Chatard J.C., Calmels P. (FR)

P206 Influence of rugby on shoulder internal and external rotators strength
Edouard P., Frize N., Degache F., Calmels P. (FR)

P207 Dysfunctio posturalis in school children - Case report from rural ‘Cukarica’, Belgrade, Serbia
Marjanovic B. (RS)

P208 Biomechanical analysis of the femur by extensometric measure
Grebot C., Burtheret A., Garbuio P. (FR)

P209 The relationship between self-esteem and physical fitness among students of Tabriz university
Salekzamani Y., Aghdasi M.T., Hoshyar Y. (IR)

P210 Maximal isometric strength measurements of cervical spine flexors and extensors using handheld dynamometer
Ramette J., Wieczoreck V. Thevenon A. (FR)

P211 Cervical root lesion and peripheral nerve injury in Iranian wrestlers
Torkan F., Rayegani S.M., Bahimi M.H. (IR)

P212 Evaluation of menarche age and the relevant factors in Iranian female athletes
Torkan F., Kabir A., Hakemi L. (IR)

P213 Rehabilitation and exercise therapy in special diseases
Torkan F. (IR)

P214 Reversibility of Achilles tendinosis via eccentric tendon training: Clinical and ultrasonographic follow-up in an active topathlete
Geens P., Brys P., Peers K. (BE)

P215 Biochemical markers and trace elements in cardiorespiratory physical activity
Rodríguez L., Granell F., López de Lacey E., Arribas P., Barca I., Ivdinovic Barbeito Y. (ES)

P216 A new concept of dynamic neuromuscular reprogramming using Huber® device
Fabri S., Lacaze F., Cornea R., Constantinides A. (FR)

P217 Stress fracture of the 8th rib in a professional dancer – Case report
Figueiral N., Pereira P. (PT)
P218 Accelerated rehabilitation after surgery for anterior cruciate ligament lesions in active patients
Ojoga F., Ojoga L., Chifan D. (RO)

P219 Rehabilitation of the Achilles’ tendon injuries
Stojanovic N., Katancevic B., Veljkovic D., Golubovic S., Ivanov D. (RS)

P220 Patellar dislocation – A diagnosis and rehabilitation protocol
Marreiros H., Aldeia E., Barata G. (PT)

P221 The interdisciplinary team foundation of the performance training
Mihailescu P.D., Mihailescu L.E. (RO)

P222 The effect of pain-free treadmill training on fibrinogen, hematocrit, LDL and HDL cholesterols in patients with claudication
Mika P., Mika A. (PL)

P223 Strategies of post-exercise recovery – The valid criterion for assessing fatigue and recovery
Mika A., Mika P. (PL)

P224 Hip resurfacing arthroplasty for the young and active patients

P225 Using modeling methods to study injury mechanism of the lower limbs during volleyball spike movement for female players

P226 A biomechanical virtual model of the shoulder used to study injuries during volleyball spike movement
Avramescu T.E., Gruionu L.G., Ilincă I., Zavaleanu M., Rosulescu E. (RO)

P227 Functional rehabilitation in repetitive ankle sprain
Totorean A., Poenaru D.V., Elena A.M. (RO)

P228 Ultrasound (US) with ketoprofen vs. ionthoforesis with ketoprofen in the treatment of epicondylitis
Lyp M., Maciak W., Cabak A. (PL)

P229 Physical activity - An important benefit for patients suffering from diabetes mellitus
Zeqiri S., Ylli A., Zeqiri N. (AL, Kosovo)

P230 Evolution of endurance during a multidisciplinary treatment of chronic low back pain and its influence on work capacity
Norberg M., Belgrand L. (CH)

P231 Low back pain in musicians - Diagnosis and preventative possibilities

P232 The Transfersome® technology – New treatment options for local pain in muscles and joints
Seidel E.J., Mazgareanu S., Rother M., Rother I. (DE)

P233 Efficacy of phonophoresis of a cream containing glucosamine sulfate & chondroitin sulfate compared to topical use of the cream for osteoarthritis of the knee
Forogh B., Sohani S. (IR)
<table>
<thead>
<tr>
<th>Poster Number</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>P234</td>
<td>Evaluation quality of life in a patient with low back pain after two weeks diclofenac-potassium (Rapten Duo*) therapy</td>
<td>Milenovic N., Savic K., Popovic B., Vasic B. (RS)</td>
</tr>
<tr>
<td>P235</td>
<td>Management of pain with opioids in rehab consultations</td>
<td>Barca I., Flores I., Ivanovic Y., Mas A., Ayala M., Gamez A. (ES)</td>
</tr>
<tr>
<td>P236</td>
<td>Bone and joint changes in patients receiving long term hemodialysis treatment and block injection therapy</td>
<td>Piscevic V. (RS)</td>
</tr>
<tr>
<td>P237</td>
<td>Gait analysis during an original walking test: Application in fibromyalgia syndrome</td>
<td>Maquet D., Chapelier D., Bouquegneau A., Crielaard J.M., Croisier J.L. (BE)</td>
</tr>
<tr>
<td>P238</td>
<td>The labile vertical phoria test, a landmark in chronic pain syndromes</td>
<td>Matheron E., Quercia P., Mourey F., Gagey P.M. (FR)</td>
</tr>
<tr>
<td>P240</td>
<td>Musculoskeletal complaints and individual characteristics, physical, psychosocial risk factors among nursing personnel in Shiraz university medical science hospital - Iran</td>
<td>Gholamzadeh S. (IR)</td>
</tr>
<tr>
<td>P241</td>
<td>How good are we in reviewing patients’ rehabilitation goals?</td>
<td>Anwar F., Panesar B. (GB)</td>
</tr>
<tr>
<td>P242</td>
<td>Predicting the appropriateness of referrals for electrodiagnostic studies</td>
<td>Özdemir O., Özçakar L. (TR)</td>
</tr>
<tr>
<td>P243</td>
<td>Detection of patients with risks of osteoporosis with bone markers</td>
<td>Stoilova S., Popova Ramova E., Tuteșa J., Gramosli O. (MK)</td>
</tr>
<tr>
<td>P244</td>
<td>An easy functional capacity evaluation in chronic low back pain</td>
<td>Norberg M., Schindler C. (CH)</td>
</tr>
<tr>
<td>P245</td>
<td>Isokinetic muscle testing for weak patients suffering from neuromuscular disorders: A reliability study</td>
<td>Tiffreau V., Ledoux I., Eymard B., Thevenon A., Hogrel J.Y. (FR)</td>
</tr>
<tr>
<td>P246</td>
<td>Isokinetic study in healthy wrist - Normal values - Preliminary study</td>
<td>Robreño R.D., Mallordomo M.M., Caballero R.S. (ES)</td>
</tr>
<tr>
<td>P247</td>
<td>Lumbosacral plexus lesion due to gluteal compartment syndrome</td>
<td>Ntambos J., Salacha A., Katte K., Misiokapa E., Syros A., Tzanos J. (GR)</td>
</tr>
<tr>
<td>P250</td>
<td>Nerve conduction velocity of medial antebrachial cutaneous nerve in patients with peripheral neuropathy</td>
<td>Hadianfard M., Salahee A., Ashraf A., Emad M. (IR)</td>
</tr>
</tbody>
</table>
P251 Neck pain in adolescent headache sufferers – A cohort study of school children
Laimi K., Sillanpää M. Metsähonkala L., Mikkelsson M., Salminen J.J. (FI)

P252 Does age influence scapular kinematics? A case-control study using clinical assessment protocol
Struyf F., Nijs J., Horsten S., Motttram S., Meeusen R. (BE)

P253 Importunes of nerve conduction studies in patients on peritoneal dialysis
Matanovic D., Jovanovic D. (RS)

P254 The effect of clinically examined cervical pain on the performance in postural control tests among women with rheumatoid arthritis
Luoto S., Kauppi M., Laiho K, Riikonen K., Siivola M., Mikkelsson M. (FI)

P255 Impaired performance in postural control tests is associated with worse scores of the health assessment questionnaire disability index among women with rheumatoid arthritis
Luoto S., Riikonen K., Siivola M., Laiho K, Kauppi M., Mikkelsson M. (FI)

P256 Results of the Zebris-walking analysis by patients with coxalgia (dysplasia of the hip; degenerative arthritis of the hip joint)

P257 Head-eye-movement in different age groups and patients with shoulder-neck-syndrome
Seidel E.J., Hartmann J., Groß S., Schaaf T. (DE)

P258 Comparison of measurement devices Zebris© CMS 70 P and Varilux Essilor Visionprint System™ for identification of neuro-muscular patterns ‘head-or-eye-mover’
Seidel E.J., Hartmann J., Schaaf T, Groß S. (DE)

P259 Craniomandibular dysbalance in musicians - Benefit or handicap?

P260 The association of carpal tunnel syndrome with cervical radiculopathy (Double Crush Syndrome)
Forogh B. (IR)

P261 Changes of surface-EMG in patient after poliomyelitis
Bocker B., Smolenski U.C. (DE)

P262 The influence of smoking on functional outcome in stroke patients
Draganac S.D. (RS)

P263 Laboratory gait assessment before and after viscosupplementation with hyaluronic acid
Leonardo D., Jacinto J., Cary M.C., Henriques J., Montez M., Abrantes J. (PT)

P264 Identification of the dystonic cervical muscles in the primary cervical dystonia (PCD) patients

P265 Clinical and functional diagnostic of the painful hip
Brailescu C.M., Scarlet R.G., Mologhianu G., Nica A.S. (RO)

P266 Clinical evaluation of the driving ability in acquired neurological disability: Questionnaire study of patient’s ability to return to drive after brain and spinal cord injury
Deshpande P., Al-Alawi S. (GB)

P267 Gait monitoring by steps-on-the-spot assessment in hemiplegic stroke
Libois P.Y., Contrino P., Zanchetta D., Reynders V. (BE)
P268  Brainstem Auditory Evoked Potential (BAEP) in brucellosis  
Ashraf A., Davarpanah M.A., Yazdani A.H., Mirshams S., Moghtaderi A.R. (IR)

P269  Study of plantar pressure distribution with instrumented insoles in patients with total knee replacement  
López E., Rodríguez L.P., Pascual F., Ivanovic Y., Gomez A. (ES)

P270  Performance of risk assessment indices for the prediction of postmenopausal osteoporosis  
Unsal S., Kaya K., Ozisler Z., Ozel S. (TR)

P271  Importance of diagnostic procedures in diagnostics of thoracic outlet syndrome (Sy TOS)  
Milenovic N., Dvecevrski G., Popovic B. (RS)

P272  Does comprehensive inpatient rehabilitation affect the disease activity and physical function in patients with rheumatoid arthritis in a long-term period?  
Ayhan F., Gecene M., Borman P., Yorganciouglu R. (TR)

P273  Does comprehensive inpatient rehabilitation affect the disease activity and physical function in patients with ankylosing spondylitis in a long-term period?  
Ayhan F., Gecene M., Borman P., Yorganciouglu R. (TR)

P274  Neck muscles cross sectional area in adolescents with and without headache – MRI study  
Oksanen A., Erkintalo M., Metsaehonkala L., Anttila P., Laimi K., Salminen J.J. (FI)

P275  Adaptation of Turkish version of the foot and ankle outcome score (FAOS)  
Koldas Dogan S., Ay S., Evci D., Guclu B., Ege A. (TR)

P276  Assessment of balance in deaf and hard of hearing children  
Convergent validity of posturography  
De Kegel A., Dhooge I., Cambier D., Van Waesvelde H. (BE)

P277  Balance performance during semitandem stance in stroke patients  
Baetens T., Cambier D. (BE)

P278  Muscular activity of deltoid muscle during Coadman’s pendular exercises  
Cyrillo F.N., Alves F., Torriani C., Pinto S., Fernandes S.M.S., Monteiro C.B.M. (BR)

P279  Activity of scalene muscle during ventilatory function  

P280  Latissimus dorsi and its role in breathing process  
Cyrillo F.N., Casseb T.B., Torriani C., Fernandes S.M.S., Monteiro C.B.M. (BR)

P281  Comparative study of electromyographic activity of ventilatory muscles during maximal sustained inspiration exercise, flow and volume respiratory stimulator  

P282  Should systematic examination of the foot and ankle complex be part of physiotherapy assessment of medial compartment osteoarthritis of the knee and hip osteoarthritis?  
Reilly K., Barker K., Shamley D. (GB)

P283  Iatrogenic injury to the long thoracic nerve – A clinical case  
Almeida C., Gouveia S., Pinto Coelho J., Duarte N., Cordeiro E., Pinto Soares C. (PT)

P284  Cost of inpatients rehabilitation  
Patatoukas D., Farmakides A., Aggeli V., Malakou D., Mitsis V., Fotaki S. (GR)
P285 High resolution ultrasound in clinical approach to ankle sprain induced sural neuritis
Lin T.C., Chiou H.J., Chiu C.M., Chou C.L., Chan R.C., Chou H.L. (TW)

P286 A Romanian experience about the real efficiency of the complex ambulatory rehabilitation at the old patient
Sidenco E.L., Enciu R. (RO)

P287 Stroke patients and main factors that affect driving ability
Psillaki D., Maragkoudaki E., Barotsis N. (GR)

P288 Long lasting improvement of functional status of patients with knee osteoarthritis after physical therapy at 6 months follow-up
Terek M., Radunovic G., Marcetic D., Gavrilov N. (RS)

P289 Usefulness of ultrasonography in detection of radiocarpal joint synovitis in patients with rheumatoid arthritis
Savic V., Zlatkovic Svenda M., Ciapetti A., Filippucci E., Salaffi F., Grassi W. (IT)

P290 Functional outcome in a patient with transient paraplegia following excision of meningioma: A case study and literature review
Calla-Gampong V., Brathwaite D., Chowdry A. (US)

P291 Long-term efficacy of oligomineral SPA therapy in rheumatoid arthritis
Mihailov M., Popa D. (RO)

P292 Ultrasound findings in painful shoulders
Djordjevic O., Kanjuh Z., Jovic S. (RS)

P293 Functional assessment in ALS patients in a Brazilian PM&R university center in the period of 2006-07 - Preliminary report

P294 Effectiveness of treadmill training with partial body weight support on gait and other motor functions after stroke: A randomized controlled study
Gok H., Yilmaz A., Altuner T.K., Sonel Tur B., Kurtais Y. (TR)

P295 Tetraplegia and driving ability
Maragkoudaki E., Psillaki D., Barotsis N. (GR)

P296 Brunnstrom index for functional assessment of patients with stroke and associated cardiac disease
Cinteza D., Popescu S., Poenaru D., Galbeaza G., Diaconescu S., Marcu V., Dima A. (RO)

P297 Methods and equipment to determine and correct the energy expenditure in walking of patients with osteoarthritis of the lower limbs
Cinteza D., Diaconescu S., Poenaru D., Popescu S., Galbeaza G., Dima A. (RO)

P298 Case report of isolated rectus femoris atrophy

P299 Isokinetic assessment of the scapular muscles in serratus anterior dysfunction
Forthomme B., Wang F., Crielaard J.M., Croisier J.L. (BE)

P300 Systematic review of diagnostic tests of sacroiliac joint in physiotherapy: Reliability
POSTERS ON DISPLAY THURSDAY 5 JUNE, 2008

P301  Systematic review of diagnostic tests of sacroiliac joint in physiotherapy: Validity
Valera F., Minaya F., Melián A., Veiga X., Ortega C., Mirapeix F. (ES)

P302  Effects of aerobic training on quality of life in patients with systemic lupus erythematosus
Bogdanovic G., Stojanovic L., Savic V. (RS)

P303  Instrumental gait analysis method in evaluation of results of surgical treatment of idiopathic scoliosis patients
Ositis J., Pavare Z., Vetra A. (LT)

P304  Scales that measure the awakening from coma: A critical review
Raillon A., Giraux P. (FR)

P305  Post traumatic stress disorder after slight traumatic brain injury: An evaluation of the ESPARR cohort six months after the crash
Hours M., Charnay P., Fort M., Bernard M., Boisson D., Sancho P.O. (FR)

P306  Care network and one-year outcome after a severe Traumatic Brain Injury (TBI) in the Parisian area
Azouvi P., Basserelle V., Bourmendil A., Aegeerter P., Weiss J.J. for the Members of the Steering Committee of the ‘TCG-IdF’ study (FR)

P307  Pituitary dysfunction is frequent in patients with traumatic brain injury
Kozlowski O., Yollin E., Cortet-Rudelli C., Fontaine P., Rousseaux M. (FR)

P308  Does the service meet the needs: Point of view of persons with a traumatic brain injury, close relatives and health care professionals

P309  Second language impairment after severe traumatic brain injury in polyglots
Polczynska-Fiszer M., Mazaux J.M. (PL, FR)

P310  Neuromuscular problems associated with high voltage injury:
Case series - Four-year (2003-2007) experience in a rehabilitation hospital
Erkin G., Onat Sahin S., Ozel S., Uysal H. (TR)

P311  Professional quests or post-graduate indifference?
Sioutis I., Malakou D., Hatzigorakis V., Alexiou A., Roussos N., Sarris N. (GR)

P312  An analysis of the educational effectiveness of an instructional video to perform neurological assessment in spinal cord injury
Bell L., McCaughey M. (IE)

P313  An analysis of the effectiveness of rehabilitation educational programme in spinal cord injury
Bell L., McCaughey M. (IE)

P314  Survey on physical and rehabilitation medicine training in European Union countries

P315  Interest of a ‘mobile rehabilitation team’ for medical and surgical units in a regional hospital experience conducted in Lille (France)
Blanchard A., Pardessus V., Corteel C., Ruckelboom A., Bogaert A., Danna E., Thevenon A. (FR)

P316  Factors determining quality of life for patients with spinal cord injury
Juocevicius A., Palsyte T., Sinevicius T., Merkyte D., Sinkevicius R., Kiesiene J. (LT)
P317  Olfactory complications of brain injury, case report, review of literature, investigations and management strategies  
Pande S.D., Eshiett M. (SG)

P318  Sleep disturbances among inpatients and outpatients in a rehabilitation center  
Patatoukas D., Sorras N., Hatziagorakis V., Alexiou A., Aggelis V., Sioutis I. (GR)

P319  From an institution to a nursing home  
Patatoukas D., Alexiou A., Hatziagorakis V., Sorras N., Farmakides A., Sioutis I. (GR)

P320  A model of regional neurorehabilitation service delivery  
ChandraBose R., Gaber T.A.Z.K, Walton K. (GB)

P321  The disabled associations and their contribution to quality of life in paraplegics  
Psillaki D., Tragoulas B., Koumboulis H., Xatzoglou N., Stathi M., Groumas N. (GR)

P322  Patients’ perceptions about rehabilitation program that affect perceived quality  

P323  The patient report on rehabilitation after post-acute care program (PROREPSAC-P)  

P324  Causes of discontinuity of care from hospital to community: A qualitative study using professionals’ perceptions  

P325  How patient and his relatives behave, in the rehabilitation unit  
Bakas E., Stamoulis N., Kotroni K., Manaos E., Papadopoulou M., Sivetidou S. (GR)

P326  Patient’s evaluation and their opinion about rehabilitation services  
Bakas E., Stamoulis N., Kotroni K., Sivetidou S., Xenaki M., Loizidis T. (GR)

P327  Patient’s family concerns about reintegration  
Stamoulis N., Armakola F., Manaos E., Kyniakidis A., Gkekas I., Bakas E. (GR)

P328  Patient’s family evaluation and satisfaction from rehabilitation services  
Stamoulis N., Tsemperlidou E., Xenaki M., Papadopoulou M., Gkekas I., Bakas E. (GR)

P329  Patient’s thoughts that gives him hope or disappointment during inpatient rehabilitation  
Tsemperlidou E., Stamoulis N., Kotroni K., Pyrgeli M., Sivetidou S., Bakas E. (GR)
POSTER LIST
FRIDAY
6 JUNE, 2008
P330 Quadriceps femoris muscle function and quality of life in women with early knee osteoarthritis
Lamson L., Tamm A., Gapeyeva H., Ereline J., Pääsuke M. (EE)

P331 Disadled athlete’s heart
Patatoukas D., Aggeli V., Malakou D., Sorras N., Mani V., Roussos N. (GR)

P332 Determining the initial potential of rehabilitation by patients after stroke
Gramosli O., Popova Ramova E. (MK)

P333 Environmental risk factors and postmenopausal osteoporosis incidence

P334 Falls and osteoporosis in elderly
Özgüçlü E., Çetin A., Sahin H., Gökçe Kutsal Y. (TR)

P335 Advanced imaging assessment of Glucocorticoid-Induced Osteoporosis (GIO)
Kalpakcioglu B.B., Engelke K., Genant H.K. (TR, DE, US)

P336 The effect of exercise on the locomotor ability of elderly subjects
Grossman J., Targosinski P. (PL)

P337 Results of locomotor function rehabilitation in elderly patients
Targosinski P., Grossman J. (PL)

P338 Relation of Bode index to functional tests in chronic obstructive pulmonary disease
Costa D., Regueiro E.M.G., Pires Di-Lorenzo V.A., Basso R.P., Pessoa B.V., Jamami M. (BR)

P339 Reliability of forceplate measures in elderly
Swanenburg J., De Bruin E.D. Favero K., Uebelhart D. (CH)

P340 Musculoskeletal complaints and individual characteristics, physical, psychosocial risk factors among nursing personnel in Shiraz hospitals
Gholamzadeh S. (IR)

P341 The comparison of therapeutic touch and physiotherapy in patient with low back pain in Hafez hospital, Shiraz, Iran
Hazrati M., Marvasti E. (IR)

P342 Medical foods as COX/LOX inhibitors - This is not the ‘LOX’ you eat
Vitale K., Yoon S., Díaz M., Jimenez A., Kamalnath P. (US)

P343 Physical treatment of chronic non-malignant musculoskeletal and peripheral neuropathic pain
Miladinovi K., Vavra-Hodziahmetovic N., Zeynlogic-Filipovic V. (BA)

P344 Topiramate effectiveness in the treatment of visceral pain secondary to multiple sclerosis
Gaber T.A.Z.K., Gautam V., Azer A. (GB)

P345 Reliability and validity of a lean body mass-based Åstrand bicycle test
Hodselmans A.P., Dijkstra P.U., Geertzen J.H.B., Schans van der C.P. (NL)

P346 Multidisciplinary management of neuropathic pain following abdominoplasty
D’Souza K., Oken J. (US)

P347 Pain management in elderly
Murgu A., Nica A., Mologhianu G., Gheorghe C. (RO)
P348  Back pain detection and differentiation in the neurological ward
    Akhmadeeva L., Danilov A., Abdrashitova E., Bulgakova A., Setchenkova N. (RU)

P349  Mirror box in CPRS
    Castro A., Gaspar T., Antunes F. (PT)

P350  Chronic pain associated with spinal cord injury
    Erkin G., Aras M., Onat Sahin S., Ozel S. (TR)

P351  Effect of low power laser therapy on pain
    Kos N., Sedej B. (SI)

P352  The acupuncture in pain treatment: A review
    Atín M.A., De Crescenzo L., Martín P., Varela E. (ES)

P353  The efficacy of topical Thiocolchicoside (Muscoril®) in the treatment of acute cervical
    myofascial pain syndrome: A single-blind, randomized, prospective, phase IV clinical study
    Cakmak A., Basat H., Esmailzadeh S. (TR)

P354  Correlation between temporomandibular dysfunction and musculoskeletal pain in neuro-
    muscular disorders
    Fischer M.J., Schwarze M., Gutenbrunner C. (DE)

P355  Whole body vibration and fibromyalgia: Influence on muscle performances
    Maquet D., Philippe I., Faymonville M., Crielaard J.M., Croisier J.L. (BE)

P356  Inpatient treatment for fibromyalgia in a PMR department
    Roussos N., Miriakefalitakis J., Aggeli V., Mani V., Sioutis I., Patatoukas D. (GR)

P357  Pedobarographic findings in patients with sensory disorders of the foot
    Roussos N., Aggeli V., Serras N., Mani V., Patatoukas D., Serras N. (GR)

P358  Pedobarographic findings in postural sway, for patients with knee osteoarthritis
    A perspective study, pre and post operation, (protocol presentation)
    Roussos N., Farmakides A., Aggeli V., Serras N., Lagogiannis N., Michos I. (GR)

P359  Changes in postural sway, in patients with varus knee - Pre and post operation findings with
    upper tibial osteotomy - Perspective study, protocol presentation
    Roussos N., Takakis K., Farmakides A., Malakou D., Hatzagiorgakis V., Mitsis V. (GR)

P360  Comparison of efficacy between lidocaine administration and physical therapy modalities
    in patients with fibromyalgia diagnosis after surgical intervention
    Kalpakcioglu B., Altinbilek T., Erdogdu E.P. (TR)

P361  Identification of myofascial trigger points by computarized thermography
    Balbinot L.F., Ávila A.O., Zaro M.A. (BR)

P362  Back pain in hemodialysis patient
    Silva A.J., Maia M., Alves A., Abreu S., Festas M.J. (PT)

P363  The role of physical agent modalities for reduction of pain in a patient with Charlin’s
    syndrome
    Ilieva E.M., Hristamian V., Papathanasiou G. (BG)

P364  Effect of butulinum toxin in treatment of hemiplegic upper limb pain: Study in 18 patients
    with upper limb spasticity
    Gandolli M., Rama R., Acler M., Manganotti P., Fiaschi A., Smonia N. (IT)
P365  Laserotherapy of low back pain  
*Mandic M.* (RS)

P366  Paget bone disease: Dealing with osteoarthritis  
*Rodrigues L., Azevedo T., Lobaranhas A., Canas P.* (PT)

P367  Efficacy of stretching exercise immediately after injection of methylprednisolone acetate in the treatment of trigger points  
*Emad M.R., Mirshams S., Hadianfard M.J., Ashraf A.R.* (IR)

P368  The opportunities of art methods and technologies in realization of the reproductive function of handicapped people  
*Voznesenskaya J.* (RU)

P369  Electrostimulation in the therapy of the post-prostatectomy incontinence  
*Hoffmann W., Hoffmann S.* (DE)

P370  Quality of semen in patients with a spinal cord injury - A critical review  
*Zemack G., van Kuppevelt H.J.M., Geurts A.C.* (NL)

P371  Optimal frequency of electrical stimulation to promote bowel emptying in spinal cord injured rats  
*Joo M.C.* (KR)

P372  Neurogenic bladder and central diabetes insipidus in a single patient  
*Leonardo D., Melo P., Batalha I., Reis V., Vasconcelos M.A.* (PT)

P373  Rehabilitation treatment in urinary incontinence in multiple sclerosis  
*Atín M.A., Jimenez A., Muñoz S., Ballesteros R.* (ES)

P374  Rehabilitation protocol on effort urinary incontinence in pregnant women  
*Atín M.A., Robledo M., Guillen M., Martin P.* (ES)

P375  A rehabilitative treatment for flatfoot: A case report  
*Atín M.A., Ballesteros R., Martin P.* (ES)

P376  Videourodynamic findings in pediatric patients with spinal cord diseases  
*Gunduz B., Bardak A.N., Erhan B., Tekin N.* (TR)

P377  Prospective study on bowel care practices in neurologically disabled adults and the role of perineometer as an adjunct  

P378  Quadriceps excision: Is it possible to walk?  
*Costa H.R., Castro H., Marques S., Barros P.* (PT)

P379  Gait analysis for management of functional recovery in biological reconstruction of femur in children with bone sarcoma  
*Benedetti M.G., Manfrini M., Berti L., Friziero A., Mariani G., Giannini S.* (IT)

P380  Low back pain: A hidden lumbar chordoma  
*Silva A.I., Figueiral N., Almeida R.* (PT)

P381  Rehabilitation needs of patients with cancer  
*Aras M., Unsal S., Atalay N., Taftan-Selçuk S., Ozel S.* (TR)
P382 Isolated inferior gluteal neuropathy: A case report  
Kaufman S., Mena J., Miller C. (US)

P383 Entrapment neuropathy of the Lateral Antebrachial Cutaneous Nerve (LABCN)  
Kaufman S., Mena J. (US)

P384 Factors influencing home modification of stroke patients  
Permsirivanich W., Tichayotin S., Piravej K., Kuptniratsaikul V., Juntawises U., Ma-A-Lee A. (TH)

P385 Role of physical and kinetic therapy in multiple sclerosis  
Rusu L., Vasilescu M., Paun E. (RO)

P386 Satisfaction with the quality of life of patients after acute stroke  
Nikcevic L., Savic M., Nikcevic D., Plavsic A., Mujovic N., Kosic D. (RS, IT)

P387 Devic’s disease: A case report  
Peixoto I., Ermida V., Torres A., Caldas J. (PT)

P388 Epidemiology of spinal cord injuries in Serbia  
Milicevic S., Babovic R. (RS)

P389 Significant recovery of motor function of a patient with complete T 7 paraplegia on etanercept: A case report  
Dinomais M., Stana L., Egon G., Richard I., Menei P. (FR)

P390 Organization of rehabilitation treatment after the stroke  
Kapidzic-Durakovic S., Ferkovic V. (BA)

P391 Shoulder pain after stroke and associated factors  
Hadianfard M.J., Bidaki L. (IR)

P392 Robot mediated physiotherapy can decrease spasticity  
Fazekas G., Dénes Z., Horváth M., Herczeg E., Stefánik G., Tóth A. (HU)

P393 Ultrasonographic findings of carpal tunnel syndrome in patients with paraplegia  
Joo M.C. (KR)

P394 Walking performance in stroke patients  
Ben Salah Frih Z., Boudoukhane S., Migaw H., Ouannes W., Jellad A. (TN)

P395 Measuring disability after stroke before and after inpatient rehabilitation  
Zlatanovic D., Lazovic M., Stankovic A., Kocic M. (RS)

P396 Facial palsy: The effect of botulinum toxin and physiotherapy in two different evolutive cases  

P397 Vibratory orthosis effect on Parkinsonian walking velocity  
Forogh B., Ghoseiri K. (IR)

P398 Effect of the motor control of affected lower extremity on balance and gait in hemiparetic patients  

P399 Importance of rehabilitation in patients with traumatic lesion of nervus peroneus – A case report  
Dublanin-Raspopovic E., Manojlovic-Opacic M., Vujadinovic-Tomanovic S., Radovanovic T., Vesovic-Potic V. (RS)
P400 Influence of neuro-muscular electrical stimulation on post-stroke spasticity and its role in overall motor function improvement
Tataradze E., Chabashvili N., Sopromadze Z., Svanishvili T. (GE)

P401 The influence of rehabilitation on post-stroke depression
Spetruk P. (PL)

P402 A prospective randomised study regarding the efficiency of the postural therapy as part of the rehabilitation program for the patients post-stroke
Dimulescu D., Chiriti G.H., Mologhianu G., Murgu A. (RO)

P403 Modulated Midfrequency Electrotherapy (MET) reduces pathological elevated muscle tone in gastrocnemius muscle after stroke: A case report
Atabas E. (DE)

P404 An unusual cause of traumatic brain injury?
Kyu M., Ariyaratnam R. (GB)

P405 Brachial plexus paralysis and opened clavicular fracture following work-avulsional trauma Case report
Scarlet R.G., Brailescu C.M. (RO)

P406 The role of rehabilitation medicine in an antiphospholipid syndrome case with vertebrobasilar ischemic stroke - Case report
Brailescu C., Mologhianu G., Scarlet R. (RO)

P407 Therapeutical problems in pluripathological patients – Ankylosing spondylitis and posthemorrhagic stroke status - Case report
Brailescu C., Meila A., Nica A. (RO)

P408 Changes in cerebral current source distribution by electrical wrist stimulation in patient with right hemiparesis
Shin H., Kwon O.Y. (KR)

P409 The evaluation of sympathetic skin response, F wave and H reflex in patients with stroke
Cakir T., Evcik D., Demirdal U.S., Kavuncu V. (TR)

P410 Cervical root injury following low velocity trauma
Joshi T., Chao T., Joshi S., Agarwal S. (US)

P411 Comparison of functional gain and incidence of complications in young and adult stroke patients after rehabilitation
Onat Sahin S., Erkin G., Ozel S. (TR)

P412 Drop foot after Caesarean section under spinal anaesthesia: A case report
Turhanoglu A.D., Turhanoglu S., Guler H. (TR)

P413 Poststroke shoulder pain: Relationship with clinical factors and functional outcomes
Barlak A., Unsal S., Kaya K., Sahin-Onat S., Ozel S. (TR)

P414 Complex rehabilitation in patients with clinical patterns of the continuum metabolic syndrome → diabetes mellitus → diabetic polyneuropathy → diabetic foot
Koleva I.B., Yoshinov R.D. (BG)

P415 Clinical evolution of 12 cases of disc hernia with motor involvement who refused surgical intervention
Poenaru D., Popescu S., Cinteza D., Mateescu M., Ionita L. (RO)
P416  Supporting families of brain injured patients: An early psychological approach program and its influence on rehabilitation nurses’ well-being
Mammi P., Tanzi F., Veneziano S., Zaccaria B., Fantetti F., Saccavini M. (IT)

P417  Health situation in patients with cerebral palsy
Barca I., Ramiro M., Morales A., Diaz P., Lopez E., Arribas P. (ES)

P418  Association of T-cell population shift and bone mineral density change in patients with traumatic disease of spinal medulla treated with applicator Lyapko
Kaladze N.N., Gorlov A.A., Lyapko N.G., Vaznyuk I.N. (UA)

P419  Bilateral schwannoma of the nervus tibialis at the tarsal tunnel: A case report
Descheemaeker G., Wildiers P., Bruyninckx F., Peers K. (BE)

P420  Churg-Strauss Syndrome with neurological manifestations: The role of rehabilitation
Pinto Coelho J., Gouveia S., Almeida C., Duarte N., Gabriel F., Pinto Soares C. (PT)

P421  State of confusion in hemiplegic patients on rehabilitation
Jovic S., Jovic M., Vucetic M., Srdic V., Stankovic-Vucetic N. (RS)

P422  Important role of family in rehabilitation of older hemiplegics
Stankovic-Vucetic N., Vucetic M., Srdic V., Jovic M., Jovic S. (RS)

P423  Effects of visual feedback balance training by neurocom system using computerised dynamic posturography in patients with multiple sclerosis

P424  Color-impulsive ophthalmotherapy with ASIR apparatus in complex treatment of Chronic Fatigue Syndrome (CFS)
Gavryushenko N.V., Mikhailova T.I., Yegorchenko O.B., Pyko V.G., Dudnik M.G. (UA)

P425  Prevalence of anaemia in the postacute stage following brain injury
Pande S.D., Eskiturk M., Hassoon A., Walton K., Gaber T. (GB)

P426  Patients’ and caregivers’ satisfaction with rehabilitation services after stroke

P427  Movement patterns of hyoid bone and epiglottis during swallowing in stroke patients

P428  Heterotopic ossification following a haemorrhagic stroke: A case report
Noronha C., Lains J., Dias D., Campos I. (PT)

P429  Comorbidities influencing stroke rehabilitation
Patatoukas D., Farmakides A., Malakou D., Sorras N., Goumas C., Fotaki S. (GR)

P430  Walking and diabetic polyneuropathy
Sioutis I., Hatziagorakis V., Malakou D., Roussos N., Patatoukas D., Fotaki S. (GR)

P431  Pedobarographic findings in patients with diabetes melliteus
Roussos N., Hatziagorakis V., Alexiou A., Sioutis I., Goumas C., Lagogiannis N. (GR)

P432  Acute back pain due to thoracic carvernous angioma rupture after thrust manipulation: A case report
Lin T.C., Chou H.L., Chiu C.M., Tsai C.C. (TW)
POSTERS ON DISPLAY FRIDAY 6 JUNE, 2008

P433 An unusual case of delayed visual loss and tinnitus following traumatic brain injury
Chandra Bose R., Walton K., Gaber T.A.Z.K. (GB)

P434 Difficulties and continuity of using aids and orthoses after stroke
Alaca R., Safaz I., Yasar E., Turk H., Yazicioglu K. (TR)

P435 The role of electro-stimulation in the patient with ischemic stroke
Bumbea A.M., Bighea A., Popescu R. (RO)

P436 The effect of limitations in musculoskeletal system on hemiplegic gait
Ceceli E., Okumus M., Batur G., Gokoglu F., Borman P., Yorgancioglu Z.R., Ucan H. (TR)

P437 Experience using a minimal protocol for the evaluation of stroke patients in territorial phase in Emilia Romagna rehabilitation facilities
Fornasari P., Montanari S. (IT)

P438 A survey of members of BSRM collecting data on care provision for patients in vegetative and minimally conscious state
Jeddi M.F., Badwan D.A.H, Okirie E., Rasheed T.P.A. (GB)

P439 Multilevel cervical spine osteomyelitis/diskitis and Gibbus deformity presenting initially as shoulder pain in an immunocompromised patient
Kurowski M. (US)

P440 Von Recklinghausen’s disease and radial nerve lesion
Silva A.I., Alves A., Maia M., Festas M.J., Parada F. (PT)

P441 Profile of the population that underwent chemical neurolysis with botulin toxin type A in a Brazilian PM&R university center between 2002-2007
Xerez D.R., Rocha P.G.O., Aguiar C.A., Saadi L.M.V. (BR)

P442 Familial spastic paraparesis – Case study
Barbosa J., Filipe F., Lopes E. (PT)

P443 Spinal dural arteriovenous fistulas - An underdiagnosed condition causing progressive radiculomyelopathy in elderly people
Martins F., Amorim P., Luis L., Lopes A. (PT)

P444 Home-based rehabilitation of the patient with spinal cord injury: A case report
Mustafaev YA., Djumaev S.C. (RU)

P445 Epidemiology, clinical presentations and medical complications of individuals with gunshot spinal cord injury

P446 Bilateral ulnar nerve entrapment by the M. Anconeus epitrochlearis
Dekelver I., Van Glabbeek F., Dijis H., Stassijns G. (BE)

P447 Evaluation of treatments in patients with diabetic neuropathy
Lazovic M., Zivkovic V., Cvetkovic B., Isakovic Lj., Lazovic VM. (RS)

P448 Stroke: Pamphlet for patients and caregivers
Cabete S., Festas M.J. (PT)
P449 Antimicrobial susceptibility pattern of nosocomial urinary tract infections in patients with spinal cord injury in a rehabilitation setting
Yilmaz B., Demirpek U., Alaca R., Dincer K. (TR)

P450 Need for out-patient comprehensive rehabilitation: Epidemiological data study
Juocevicius A., Lenickiene S., Skvereckaite V. (LT)

P451 Functional recovery and mobility following rehabilitation after hemorrhagic and ischemic stroke
Bardak A.N., Erhan B., Gunduz B., Binak D. (TR)

P452 Functional implications on hemiparetic patients suffering a lower limb fracture
Totorean A., Poenaru D.V., Amaricai E., Ilia I. (RO)

P453 Evaluation of sensorial information integration for balance after stroke

P454 Bradycardia related to administration of low dose intrathecal baclofen
Yilmaz B., Tugcu I., Yasar E., Alaca R., Yazicioglu K. (TR)

P455 Lumbar plexus recuperation after L4-L5 discectomy - A 3-year follow-up process
Ramiro González M.D., Arribas Manzano P.D., Díaz Martín Y., Ruiz Pérez D., Cabezas Moreno E. (ES)

P456 Neurorehabilitation of the upper limb using robotic systems
Gallotta E., Magrone G., Romanelli A., Milazzo M., Zollo L., Formica D., Guglielmelli E., Sterzi S. (IT)

P457 The evaluation of cognitive and psychomotor disorders changes in occupational therapy of patients with stroke
Sameniene J., Endzelyte E. (LT)

P458 Effectiveness of new methodology of physiotherapy after first ischemic stroke in comparison to standard physiotherapy in control group - Presentation of protocol
Krawczyk M. (PL)

P459 The role of ankle-foot orthosis for retraining the gait in stroke patients with hemiparesis
Stirane D., Andrije R., Pavare Z., Tanenberga I. (LV)

P460 Cervical dystonia - Case report
Stankovic I., Dimitrijevic L., Colovic H., Stamenovic J. (RS)

P461 Accessory nerve lesions: Etiology, diagnostics and outcome
Illic B., Pavicevic Stojanovic M., Vesovic Potic V. (RS)

P462 Our experiences with shoulder pain in patients after a spinal cord injury
Fousová J., Káfunková P., Kríz J. (CZ)

P463 Autonomic dysreflexia in a patient with multiple sclerosis - A case report
Duygu G.K., Berfu A., Beyza C. (TR)

P464 Clinical and demographical characteristics by cauda equina syndrome

P465 B12 vitamin deficiency: A diagnosis not to be missed
Azevedo T., Rodrigues L., Machado A., Canas P., Lobarinhas A. (PT)

P466 Niemann Pick type C in adult patient: A case report
Teles J., Machado Vaz I., Maia M., Leão Teles E., Cardoso T., Nadais G., Toste T. (PT)
POSTERS ON DISPLAY FRIDAY 6 JUNE, 2008

P467 Sciatic nerve injury and post-polio syndrome: A case report
Teles J., Pereira J.A., Maia M., Parada F. (PT)

P468 Multiple sclerosis - Botulinum toxin: Rehabilitation unit experience
Sevilla Hernández E., Lozano Guadalajara J.V., Martínez González-Moro I., Giménez-Abadia M.A. (ES)

P469 Facial hemispasm - Botulinum toxin
Sevilla Hernández E., Lozano Guadalajara J.V., Martínez González-Moro I., Giménez-Abadia M.A. (ES)

P470 Chronic tensional headache - Botulinum toxin
Sevilla Hernández E., Martínez González-Moro I., Lozano Guadalajara J.V., Giménez-Abadia M.A. (ES)

P471 Can botulinum toxin improve gait in persons with incomplete spinal cord injury?
Short C., Bonaparte J., Deluzio K., Alneaimi Y. (US)

P472 Two-year follow-up in a case of post-anoxic vegetative state with paroxysmal neurovegetative instability with dystonia
Estraneo A., Saltalamacchia A.M., Loreto V. (IT)

P473 Non-traumatic syringomyelia as a cause of progressive neurologic dysfunction: Case report
Rito C., Carvalho M.P., Batista G., Faria F. (PT)

P474 Assessment of functional improvement after stroke patients rehabilitation

P475 Effect of constrained induced therapy on Barthel index in patients following stroke: 6 months follow up study
Nazzal M., Al-Jarrah M., Abu Sammour M., Sbaih Z., Jamous M. (JO)

P476 Evaluation of cognitive functions by neuropsychological tests and event related endogenous potentials (P300) in stroke: Effect of rehabilitation interventions on cognition
Bezgincan M., Kaya A., Ozgocmen S., Kamanli A., Ardicoglu O. (TR)

P477 OEP-based evaluation of chest wall kinematics in post-stroke hemiparetic patients
Romanelli A., Gallotta E., Magrone G., Milazzo M., Zollo L., Formica D., Guglielmelli E., Sterzi S. (IT)

P478 The effect of early balance and coordination training on brain plasticity of stroke rat model

P479 The effect of exercise and nutrition on primary dysmenorrhea of girl students’ university of Arak
Shahrjerdi S., Shahrjerdi S. (IR)

P480 The assessment of the complex rehabilitation treatment in patients with rheumatoid arthritis
Marcu R., Traistaru R., Patru S., Popescu R., Bighea A. (RO)

P481 Investigation of relationship between depression and social supports in elderly people of K.B province in Iran
Yazdanpanah P., Kheramine S., Panahi S. (IR)

P482 Patient-doctor interaction and partnership
Moore P.G. (GB)

P483 Influence of physical activity on skeletal muscle oxidative indices measured by 31P MRS
Atin Arratibel M.A., Muñoz Lasa S., Martin Casas P. (ES)
POSTERS ON DISPLAY FRIDAY 6 JUNE, 2008

P484 Influence of inspired oxygen fractions on skeletal muscle oxidative metabolism in sedentary and physical active humans - A 31P MRS study
   Atin Arratibel M.A., Muñoz Lasa S., Valero Alcaide R., Martin Casas P. (ES)

P485 Distal myopathy in a patient with walking difficulties
   Gorissen D., De Jonghe P., Willems J., Chappel R. (BE)

P486 Benign joint hypermobility syndrome in patients with attention deficit hyperactivity disorders
   Koldas Dogan S., Evcik D., Taner Y. (TR)

P487 Organization and introduction of system of health-resort treatment of pregnant women in Ukraine
   Vladimirov A.A., Tofan N.I. (UA)

P488 Motivated options of the osteoporosis pathophysiology field for the profilactis exercises in osteoporosis fractures
   Horatiu D. (RO)

P489 Influences of system structures and research demands on the study design of an RCT in return to work
   Klipstein A., Läubli T., Canjuga M., Kern F., Joronen H., Danuser B. (CH)

P490 Problems in rehabilitation program in overweight patient – A case report
   Ananidis N., Antoniadou E., Giaprakis H., Mpirpanagos A., Koliadimas M., Groymas N. (GR)

P491 Practical using of ICF of patients after TBI (MHADIE)
   Svestkova O., Angerova Y., Sladkova P. (CZ)

P492 Cardiac rehabilitation programme
   Capellas L., Maulen X., Ciuraneta J., Casas I., Pulido G. (ES)

P493 Electrodiagnostic changes in upper limb of stroke patients after injecting botulinum toxin A
   Patatoukas D., Aggeli V., Farmakides A., Alexiou A., Malakou D., Lagogiannis N. (GR)
Verlicht snel de pijn
Versnelt de verdwijning van zwellingen
Ontstekingswerend
DÉSIGNATION DU MEDICAMENT: Flexium Gel 10% - gel - Flexium Crème 10% - crème - Flexium Spray 10% - spray, solution
COMPOSITION: Flexium contient comme substance active: Étodéfénamate. Flexium Gel 10% - gel - Flexium Crème 10% - crème - Flexium Spray 10% - spray, solution, FORME PHARMACIQUES: Flexium Gel 10% - gel - Flexium Crème 10% - crème - Flexium Spray 10% - spray.

ACTION: NATURE: EFFETS: EFFETS INDÉSIRABLES: INTERACTIONS: PRECAUTIONS AUXÉRIEURES:
Walking on the Edge

Caring for Children - Together
### Majors Sponsors

- Allergan
- Medtronic

### Exhibitors

<table>
<thead>
<tr>
<th>Exhibitor</th>
<th>Stand n°</th>
<th>Stand n°</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acertys</td>
<td>34</td>
<td>1</td>
</tr>
<tr>
<td>Allergan</td>
<td>27-28</td>
<td>2</td>
</tr>
<tr>
<td>All Products</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Alter-G</td>
<td>43-44</td>
<td>4-5</td>
</tr>
<tr>
<td>Bauerfeind Benelux</td>
<td>40-41</td>
<td>6</td>
</tr>
<tr>
<td>Boehringer Ingelheim</td>
<td>33</td>
<td>7</td>
</tr>
<tr>
<td>Coloplast Belgium</td>
<td>14</td>
<td>8</td>
</tr>
<tr>
<td>DJO Benelux</td>
<td>29</td>
<td>9-10</td>
</tr>
<tr>
<td>Edizioni Minerva Medica</td>
<td>26</td>
<td>11</td>
</tr>
<tr>
<td>Enraf - Nonius</td>
<td>15-16</td>
<td>12</td>
</tr>
<tr>
<td>Gymna</td>
<td>4-5</td>
<td>13</td>
</tr>
<tr>
<td>Heel Belgium</td>
<td>36</td>
<td>14</td>
</tr>
<tr>
<td>Hocoma</td>
<td>17</td>
<td>15-16</td>
</tr>
<tr>
<td>Incorpore Technologies</td>
<td>9-10</td>
<td>17</td>
</tr>
<tr>
<td>Ipsen</td>
<td>3</td>
<td>18-19</td>
</tr>
<tr>
<td>ISPRM 2009</td>
<td>25</td>
<td>20</td>
</tr>
<tr>
<td>J. Story - Scientia</td>
<td>1</td>
<td>21</td>
</tr>
<tr>
<td>Janssen-Cilag</td>
<td>45</td>
<td>22</td>
</tr>
<tr>
<td>Journal of Rehabilitation Medicine</td>
<td>13</td>
<td>23</td>
</tr>
<tr>
<td>Medapharma</td>
<td>42</td>
<td>24</td>
</tr>
<tr>
<td>medi</td>
<td>30</td>
<td>25</td>
</tr>
<tr>
<td>Mediterranean Congress Portoroz</td>
<td>24</td>
<td>26</td>
</tr>
<tr>
<td>Merck, Sharp &amp; Dohme</td>
<td>11</td>
<td>29</td>
</tr>
<tr>
<td>Mundipharma</td>
<td>8</td>
<td>30</td>
</tr>
<tr>
<td>Nims Inc.</td>
<td>31</td>
<td>31</td>
</tr>
<tr>
<td>Ortho-Medico</td>
<td>20</td>
<td>32</td>
</tr>
<tr>
<td>Össur Europe</td>
<td>37</td>
<td>33</td>
</tr>
<tr>
<td>Otto Bock Benelux</td>
<td>32</td>
<td>34</td>
</tr>
<tr>
<td>Pfizer</td>
<td>18-19</td>
<td>35</td>
</tr>
<tr>
<td>Phacobel</td>
<td>6</td>
<td>36</td>
</tr>
<tr>
<td>Pierre Fabre Santé Benelux</td>
<td>23</td>
<td>37</td>
</tr>
<tr>
<td>RSscan International Footscan</td>
<td>12</td>
<td>40-41</td>
</tr>
<tr>
<td>Siemens</td>
<td>48</td>
<td>42</td>
</tr>
<tr>
<td>Swortec</td>
<td>7</td>
<td>43-44</td>
</tr>
<tr>
<td>Technische Orthopedie België</td>
<td>49</td>
<td>45</td>
</tr>
<tr>
<td>Thuasne</td>
<td>35</td>
<td>48</td>
</tr>
<tr>
<td>TRB Chemedica</td>
<td>21</td>
<td>49</td>
</tr>
</tbody>
</table>

### Sympathizers

CTO Orthopedie, GSK, Melisana, Ortho-Medico, Stryker, Therabel
GENERAL INFORMATION
Social Activities

Welcome Reception & Concert – 18.00 - 21.00 hrs, Tuesday, June 3
The Official Opening will be followed by a Jazz evening where famous local artists perform for your pleasure and entertainment. Drinks and snacks will also be served after the show. This evening is included in the registration fee for participants (pre-registration is mandatory). Partners can register at a rate of 30,00 €.

The Welcome Reception will take place in the Foyer on the first floor of the Congress Centre.

Cultural Highlights of Brugge – 17.45 - 19.00 hrs, Wednesday, June 4
The guided visit will start from the ‘ZAND’ square just in front of the Congress Centre at 17.45 hrs. Guides will carry a sign indicating the language in which the guided tour will be made (approx 4-5 languages will be provided according to the participants’ origin). This tour is included in the registration fee for participants (pre-registration is mandatory). Partners can register at a rate of 30,00 €.

Congress Jogging – 07.00 - 08.00 hrs, Thursday, June 5
Join us for a one-hour jogging tour through Brugge’s parks.
Meeting point: Entrance of the Concertgebouw Congress Centre at 07.00 hrs.

Belgian Evening – 19.30 - 23.00 hrs, Thursday, June 5
The congress organisers invite all congress participants to a big surprise evening called the ‘Belgian Evening’. The purpose is to gather informally with local drinks and food and good music. It will be a walking dinner with a lot of enjoyment and entertainment. The historic and impressive Belfry of Brugge will be the perfect setting for the ‘Belgian Evening’. The official carillon player of the city of Brugge will welcome us with a private aperitif concert.
This evening is included in the registration fee for participants (pre-registration is mandatory).
Partners can register at a rate of 100,00 €.
Registration

ON SITE
(As of 15/05)

CONGRESS
Members & Board Certified* € 700,00
Non - Members € 800,00
Residents/Therapists/Allied Health** € 400,00

PRE-CONGRESS COURSE
Vocational Rehabilitation Symposium (Registration main congress not obligatory)
FEES Members (if no congress registration) € 250,00
Participants (if no congress registration) € 300,00
Congress participants € 50,00

CONGRESS WORKSHOPS
Workshops 1 – 11 for Participants € 70,00
Workshops 1 – 11 for Residents € 60,00
Workshops 7 – 9 – 11 for Therapists/Allied Health*** € 60,00

Workshop 6 and Workshop 10 for Participants/Residents free
Workshop 6 and Workshop 10 for Therapists/Allied Health free

SOCIAL PROGRAMME
Welcome Reception and Concert (03/06) for Congress Participants free
Welcome Reception and Concert (03/06) for Accompanying Partners € 30,00

Cultural Highlights of Brugge (04/06) for Congress Participants free
Cultural Highlights of Brugge (04/06) for Accompanying Partners € 30,00

Belgian Evening (05/06) for Congress Participants free
Belgian Evening (05/06) for Accompanying Partners € 100,00

TOUR
In Flanders' Fields (05/06) € 100,00

*Members of the ESPRM, UEMS, RBSPRM, ISPRM, UEMS, SIMFER, SOFMER, AAPM&R, ISPAPOFF, SOSORT – Board Certified Members are requested to mention their certification number when registering.
**Proof of trainee status is to be sent to Medicongress by email (ecprm2008@medicongress.com) or fax (+32 9 344 40 10). Without this proof the participant fee will be charged.
***No admission to Workshops 1, 2, 3, 4, 5, 8 for Therapists/Allied Health.
The registration fee for participants includes

- Participation in all scientific sessions
- Participation in workshop 6 and 10 (Pre-registration is mandatory)
- Congress bag with the Programme, the Journal with the abstracts, tourist info and congress related documents
- The personalised badge with access code
- Access to the exhibition
- Coffee breaks & lunches as indicated in the programme
- Opening Ceremony and Welcome Reception on Tuesday, June 3
- Cultural Highlights of Brugge, a 1 hour guided tour on Wednesday, June 4
- Congress Jogging on Thursday, June 5
- Belgian Evening on Thursday, June 5

Payment

All payments are to be made in Euro, net of all bank charges and commissions for the receiver.

Payment is to be made by:

- Bank transfer
  Account Number: 123-6800124-72
  Account Name: ECPRM Congress
  Iban: BE38 1236 8001 2472 – Swift: BKCPBEBB
  Bank address: OBK Bank, Graaf Van Vlaanderenplein 19, 9000 Gent, Belgium
- Credit Card: All major credit cards are accepted.

Cancellations

Participants cancelling their registration before 1 May 2008 will receive a 50% refund. There will be no refunds for cancellations received after this date.

Registered participants or accompanying persons not showing up at the Congress will NOT be reimbursed.

Cancellations must be confirmed in writing to the Organising Secretariat. All refunds will be processed after the Congress.
Partners’ Programme

In Flanders Fields, Thursday, June 5

09.00 – 18.00 hrs

Visit of the museum ‘In Flanders Fields’, the most spectacular World War I museum ever. The lively evocation of the terrors of war will leave no visitor untouched. Visit of the infamous battlefields of the Great War and the Menin Gate in the afternoon.

Full day tour, including bus transport, lunch and coffee breaks, leaving at 09.00 hrs at the congress centre.

Meeting point: Registration desk at the Congress Centre.

Rate per person: € 100,00 (if seats are still available)

The tours Highlights of the Belgian Coastline on Wednesday, June 4 and the Tour to Gent on Friday, June 6 have been cancelled due to lack of interest (the minimum number of 20 participants was not reached). Registered participants will receive a 100% refund.
Awards

1. Organising Committee
A European jury will select the two best scientific posters.
Awards: 2 awards of 500 € each.

2. UEMS-PRM section and Board
Criteria: UEMS-PRM Section and Board will give 10 awards of 500 € each to the ten best oral papers presented at the Congress by trainees or by specialists less than 5 years after their diploma.
Participants: PRM Trainees or Specialists less than 5 years after their diploma from any country from Europe. The specialists must be Board Certified.
Selection: Will be done during the Congress and winners will be notified. The jury will be composed of various European delegates.
Awards: 10 awards of 500 € each.

3. Trans-European Scientific Contest (TESC)
This is an initiative taken by the European Society of Physical and Rehabilitation Medicine (ESPRM) to encourage PRM residents to conduct research into this specialty and to acknowledge their work.
Each of the European countries will be represented.
Participants: The contest is open to PRM residents and rehabilitation specialists within two years of certification. Each country will designate one PRM resident to present an oral paper.
The paper may have several authors, but only one presenting author.
Presentation: The paper should be presented in English to a jury composed of ESPRM members from different European countries. The date and hour will be provided in the congress programme.
Selection: The jury will be composed of one representative member from each participating country and chaired by the president of the European Society of Physical and Rehabilitation Medicine. The presentations will be judged on relevance, scientific level and presentation skills.
Award: The winner of the contest will receive an award and there is a cash prize for the 3 best presentations (first 1000 €, second 600 € and third 400 €).

4. Best research Award ‘Europa Medicophysica’
This award is offered by the Journal EUROPA MEDICOPHYSICA.
The scientific committee of the congress will select 25 abstracts and send them to the Editorial Board of the journal which will choose the best 10. The winner will be judged during a special session at the congress where a jury made of members of ESPRM, members of the congress scientific committee and members of the Editorial Board of the journal will assign the final prize.
The best paper will be published in the journal ‘Europa Medicophysica’.
General Information

Badges
All participants, accompanying persons and exhibitors must wear the official badges in order to get access to the lecture halls and/or exhibition and social activities. In case of lost badges, a new registration will be charged.

Official Language
The official language of the Congress is English. Simultaneous translation will not be provided.

Audiovisuals
All presentations are to be uploaded onto the central server system of the Congress. A speaker preview room staffed by professional technicians is available at the Congress Centre. Laptop presentations will not be allowed.

Poster Presentations
Posters P1 to P149 must be mounted between 08.00 and 09.00 hrs on Wednesday, June 4 and have to be removed between 17.00 and 18.00 hrs on the same day.

Posters P150 to P329 must be mounted between 08.00 and 09.00 hrs on Thursday, June 5 and have to be removed between 17.00 and 18.00hrs on the same day.

Posters P330 to P493 must be mounted between 08.00 and 09.00 hrs on Friday, June 6 and have to be removed between 17.00 and 18.00 hrs on the same day.

Congress Documents
Participants will receive a badge, a certificate of attendance and a congress bag with congress-related documents at the registration desk.

Accreditation
An application for accreditation units has been submitted and was still pending when this booklet went in print.

Disabled Persons
The Concertgebouw Congress Centre and most of the 4 and 5 star hotels are fully accessible for disabled persons. Participants requiring assistance are kindly asked to inform the organisers.

Cloakroom
A guarded cloakroom is available at the Concertgebouw Congress Centre. Luggage can also be stored here.
Exhibition
An exhibition highlighting medical devices, pharmaceutical products and books will take place in the marquee opposite the Concertgebouw Congress Centre. Access is free for registered participants and for company representatives wearing the official badges of the Congress.

Non-Smoking Policy
The Congress will have an overall non-smoking policy. Smoking is prohibited in the Concertgebouw Congress Centre as well as in the exhibition and poster areas.

Climate
Temperatures in June usually are around 18-22°C. The weather is mild in June, an occasional shower, however, remains possible.

Liability
By registering into the Congress and/or by participating in the exhibition joined to the Congress, participants and exhibitors agree that neither the Organising Committee nor the Administrative Secretariat assume any liability. Participants and exhibitors are advised to organise their own health, travel and personal insurances.
The city of Brugge

Congress Centre
The venue for the Congress is the Concertgebouw which is located on the „t Zand” Square in Brugge, Belgium - www.concertgebouw.be

The Concertgebouw has its proper underground pay car park facilities (Parking Het Zand for 1500 cars) and is located at only a 5 minutes’ walk from the railway station where another (cheaper) car park for about 1,500 cars is available.

The City - www.brugge.be
You will find Brugge to be an exquisitely small but very lively city.

The historic city centre is a paradise for pedestrians: cars are banned as much as possible, so you can stroll around in all tranquillity. Bicycles are popular, not only for city exploration, but also for making bigger trips in the countryside. You can take a city tour in horse-ridden coaches, or go on a boat-ride on Brugge’s famous canals - it is not by coincidence that Brugge is called ‘the Venice of the North’.

Brugge has always been at the heart of Flanders’ political and cultural history, and the remains of this impressive heritage are preserved in an extraordinary manner. You can spend days in museums (Groeninge Museum, Gruuthuse museum, Memling museum, Brangwyn and Lace museum), historic buildings (Belfry, Town Hall), or quiet green areas (Beguinage, Lake of Love). All of these enchanting places are located within walking distance from the Congress Centre!

And… for the gourmands… do not forget that Brugge is also known as a culinary highlight hosting the largest number of high quality restaurants per km².

Brugge on bycicle
Brugge is a bicycle-minded city: there are more than 50 one-way traffic streets in the heart of the city where the cyclists can cycle in both directions. Do you fancy a tour in the countryside, or through the backstreets of Brugge, or why not ‘Brugge by Night on a bike’? For further details on tours and addresses, go to: www.brugge.be/internet/en/toerisme/sightseeing
Proceedings of the 16th European Congress of Physical and Rehabilitation Medicine

- Authors of invited lectures, oral presentations and posters are invited to collect their copy
- Congress participants can purchase a copy of the Book (€ 50,00) and of the CD (€ 30,00)

Pick up your free sample copy of The European Journal of Physical and Rehabilitation Medicine (issue 2, June 2008)

www.ejprm.org with free full texts

EDIZIONI MINERVA MEDICA
Corso Bramante 83/85 – 10126 Torino (Italy)
Tel 0039 011678282 – fax 0039 011674502 – e-mail: minervamedica@minervamedica.it – website: www.minervamedica.it
ITB Therapy®

Successful reduction in spasticity and spasms in 92% of implanted patients at 1 year follow up: a meta-analysis of 27 studies and 490 patients.