Final Programme
Sport Science Around the Canals

19th Annual Congress of the European College of Sport Science
ECSS Amsterdam 2014

Hosted by
VU University Amsterdam and VU University Medical Center Amsterdam
Everything in moderation. Except fun, try to have lots of that.

Mission Olympics helps keep teens active through inter-school competitions in the Netherlands.

Today, physical inactivity and obesity are among the leading health challenges worldwide. By promoting balanced diets and active lifestyles, we can be part of energy balance solutions.

First, our portfolio: Currently, we offer over 3,500 beverages globally, and nearly 25% are reduced, low- or no-calorie options. The Coca-Cola Company has made a commitment to offer low- or no-calorie beverage options in every market where we do business.

As for packaging choices, we’ve created a variety of package sizes—in both glass and aluminum, including serving sizes of 250ml or less.

Providing choice is important—but so is enabling informed choice and marketing our beverages responsibly. Nearly all our packaging provides nutrition information featuring calories ‘front of pack,’ and we do not advertise directly to children under 12.

While keeping track of calories is important, so is burning them off. Currently, we support over 290 active, healthy living programs in 118 countries and we are committed to having an active, healthy living program in every country in which we operate.

To learn more about what we’re doing and why we’re doing it, visit: coca-colacompany.com/sustainability

The Coca-Cola Company
Sport Science around the Canals

19th Annual Congress of the European College of Sport Science
ECSS Amsterdam 2014 – The Netherlands, 2 – 5 July

Final Programme

Hosted by
VU University Amsterdam and VU University Medical Center Amsterdam
Welcome to Amsterdam

Dear congress participant,

On behalf of MOVE research institute amsterdam and the EMGO Institute for Health and Care Research we welcome you to the capital of The Netherlands for the 19th annual ECSS Congress.

The purpose of the European College of Sport Science (ECSS) is the promotion of Sport Science in an international, multi-cultural, multidisciplinary, as well as interdisciplinary context. Besides that ECSS recognizes that scientific excellence in Sport Science is based on disciplinary competence embedded in the understanding that its essence lies in its multi- and interdisciplinary character.

The scientific programme we offer you mirrors every detail of the above standing mission statement of ECSS. There will be plenary sessions about general subjects like ‘Women versus men in sport and exercise’, as well as many invited symposia about the latest scientific research results in a wide range of fields including sports medicine, social sciences and biomechanics.

ECSS 2014 in Amsterdam will be a rollercoaster of knowledge. You will regret the fact that you have only two ears and two eyes. Especially because your scarce free time will be swallowed up by all the great attractions the city of Amsterdam has to offer. The historical architecture, the old masters and of course the canals are all must see’s.

Amsterdam is the perfect place for the annual ECSS Congress. Both at VU University Amsterdam and VU University Medical Center Amsterdam sports and human movement are studied in depth. At the MOVE research institute amsterdam researchers are constantly working on understanding and improving sport performance by studying biomechanical, exercise and muscle physiological, and perceptual and cognitive processes and factors.

Research at EMGO Institute for Health and Care Research is devoted to the health aspects of sports and physical (in-) activity. The vast output is mainly in high-impact, refereed international journals devoted to both theoretical and applied aspects of sports and human movement research.

We wish you a very pleasant stay in Amsterdam and an interesting congress experience.

Arnold de Haan, Willem van Mechelen, Peter Beek
Congress Presidents
ECSS Amsterdam 2014 – The Netherlands

Congress Presidents
– Arnold de Haan (NED)
– Willem van Mechelen (NED)
– Peter Beek (NED)

ECSS Executive Board
– Marco Narici - President (GBR)
– Sigmund Loland – Past President (NOR)
– Tim Cable – President Elect (QAT)
– Joan L. Duda (GBR)
– Stephen Seiler (NOR)
– Gisela Szepaard (DEN)

ECSS Scientific Board
– Anton Wagenmakers - Chair (GBR)
– Flemming Dela - Co-Chair (DEN)
– Jan Cabri - Secretary (NOR)
– Paul Greenhoff (GBR)
– Martin Heid (GER)
– Susanna Hedenborg (SWE)
– Luc van Loon (NED)
– Jose Antonio Lopez Calbet (ESP)
– Abigail Louise Mackey-Sennells (DEN)
– Erich Muller (AUT)
– Nicole Wendel (SUI)

ECSS Scientific Committee
– Natalia Bolague (ESP)
– Wilhelm Bloch (GER)
– Annalisa Cogo (ITA)
– Wim Derave (BEL)
– Peter Federolf (NOR)
– Taijo Finni (FIN)
– Daniel Green (GBR)
– Michael Grey (GBR)
– Markus Gruber (GER)
– Jørn Wulff Helge (DEN)
– Yvonne Hellsen (DEN)
– Pierre-Nicolas Lernyse (NOR)
– Johannes van Lieshout (NED)
– Mike McNamee (GBR)
– Maria Francesca Piacentini (ITA)
– Afroditi Stathi (GBR)
– Cecilia Thogersen-Ntouman (GBR)
– Janice L. Thompson (GBR)

ECSS Office
– Thomas Delaveaux
– Elias Tsalikidis
– Steffen Neubert
– Tuula Hokkanen
– Juliane Melber

Local Scientific Committee
– Allard van der Beek
– Peter Beek
– Maarten van Bollenburg
– Maarten Bobbert
– Koen Breedveld
– Hein Daanen
– Jaap van Dieen
– Karin Gerrits
– Arnold de Haan
– Ivo van Hilvoorde
– Thomas Janssen
– Richard Jaspers
– Jos de Koning
– Koen Lemmink
– Willem van Mechelen
– Mireille van Poppel
– Jo de Ruiter
– Geert Savelberg
– Koen van Soest
– Evert Verhagen
– Floris Wardenaar

Additional reviewers
– Cécile Boot
– Gerlijt Eltema
– George Havenith
– Han Houdijk
– Vana Hutter
– John van der Kamp
– Willem van der Laarse
– Koen Levels
– Huub Maas
– Dianne Noordhof
– Raoul Oudejans
– Rob Pipers
– Hidde van der Ploeg
– Karin Proper
– Bart Roelands
– Dick Thijsen
– Yves Vanlandewijck
– Lex Verdijk
– Rob Wüst
– Herman Uijerman

Organizing Committee
– Irene van Baardwijk
– Peter Beek
– Allard van der Beek
– Carine Damen
– Arnold de Haan
– Herman Uijerman
– Thomas Janssen
– Jos de Koning
– Romke Langezaal
– Solveig Lund
– Willem van Mechelen
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– Thom Veager
– Evert Verhagen
General Information

VENUE
Amsterdam RAI Convention Centre is located only 3 km (1.8 miles) from the historical city centre, and is the main convention centre in The Netherlands.
Amsterdam RAI Convention Centre
Europaplein 2-22
1078 GZ Amsterdam
The Netherlands
T: +31 (0) 20 549 12 12
F: +31 (0) 20 646 44 69

CONGRESS OFFICE AND REGISTRATION
The Congress registration desks are located left of the main entrance at the ground floor of building G.
Opening hours are:
- Wednesday, July 2nd 8.00 to 18.00 hrs
- Thursday, July 3rd 8.00 to 18.00 hrs
- Friday, July 4th 8.00 to 18.00 hrs
- Saturday, July 5th 8.00 to 16.00 hrs

REGISTRATION FEES INCLUDE
Registration fee for participants includes:
- Admission to all scientific sessions
- Admission to exhibition
- Admission to the Opening Ceremony
- Admission to the Opening Reception*  
  - Congress material (Congress Bag, Final Programme - in print,  
    Book of Abstracts – print on demand Euro 25, -/ Euro 35,-)
  - Coffee or tea (7 breaks) and lunches (3) at the congress venue*
  - Admission to the Closing Ceremony
  - Admission to the Congress Party (pre-booking required)
Registration fee for accompanying persons includes:
- Admission to exhibition
- Admission to the Opening Ceremony
- Admission to the Opening Reception*
- Congress material (Congress Bag, Final Programme - in print,  
  Book of Abstracts – print on demand Euro 25, -/ Euro 35,-)
- Coffee or tea (7 breaks) and lunches (3) at the congress venue*
- Admission to the Closing Ceremony
- Admission to the Congress Party (pre-booking required)
Please note that accompanying persons don't have admission to scientific sessions
Registration fee for additional exhibitors (two free delegates per company) includes:
- Admission to all scientific sessions
- Admission to exhibition
- Admission to the Opening Ceremony
- Admission to the Opening Reception*
- Congress material (Congress Bag, Final Programme - in print,  
  Book of Abstracts – print on demand Euro 25, -/ Euro 35,-)
- Coffee or tea (7 breaks) and lunches (3) at the congress venue*
- Admission to the Closing Ceremony
* pre-booking required

CONGRESS STAFF
Congress Staff members will be available to answer questions about the Congress Programme, the location of lecture halls, rooms, meals etc. Staff members can be identified by the orange Polo-shirt with the Congress Logo.

SCIENTIFIC PROGRAMME
In developing the scientific programme, we have amassed an enviable collection of leading researchers and scholars from across Europe and around the Globe, to address our congress Sport Science around the Canals. Plenary and invited symposium sessions will provide a mix of styles and will focus on emerging new challenges within the broad range of disciplines that constitutes Sport Sciences. The programme will examine the exercise response from both empirical and applied viewpoints and from molecular to community contexts. In addition a large number of oral presentations, mini-oral presentations and e-poster presentations complete the programme. 1912 abstracts have been accepted and allocated as follows:
- 1 honorary session with 1 presentation
- 4 plenary sessions with 8 presentations
- 36 invited symposia with 106 presentations
- 72 Oral sessions with 415 presentations
- 106 Mini-Oral sessions with 848 presentations
- 534 e-posters
YOUNG INVESTIGATORS AWARD (YIA)

The ECSS has received 345 applications for this year’s YIA. Out of those 345 applications 125 have met the administrative requirements for the YIA and based on thorough review entered the final stage of the competition. They will present their papers in front of the jury in Amsterdam.

The applicants are contending for 20 prizes (10 oral and 10 mini-oral). The Scientific Board and Committee will select the 10 best presentations for each category. Four finalists of the oral presentations will present their papers again. They will have 15 minutes each; 10 minutes presentation time and 5 minutes to answer questions of the Scientific Board and/or Scientific Committee at the Closing Ceremony on Saturday, July 5th. All winners will be announced and receive their prizes at the end of the Closing Ceremony and following the final evaluation by the ECSS Scientific Board and Scientific Committee.

- The top 10 candidates of each category (oral mini-oral) will be announced on Friday afternoon, July 4th 2014 at the ECSS congress booth next to the registration desk.
- They will be invited to join the YIA-Cocktail to take place in the evening on Friday, 4th of July 2014.
- In order to receive their certificate and prize money all prize winners will be asked to be present personally at the Young Investigators Award Ceremony that takes place on Saturday, July 5th, commencing at 16:20h.
- Prize winners who do not attend and accept their prize within the framework of the YIA Ceremony on Saturday, July 5th 2014 cannot be considered for the award prize.

PRIZE MONEY

Generous cash prizes will be provided for the finalists.

Oral presentations
- 1st - Euro 4,000,--
- 2nd - Euro 3,000,--
- 3rd - Euro 2,000,--
- 4th - Euro 1,000,--
- Equal 5th - Euro 500,--

Mini-Oral presentations
- 1st - Euro 3,000,--
- 2nd - Euro 2,000,--
- 3rd - Euro 1,000,--
- 4th - Euro 500,--
- Equal 5th - Euro 300,--

PRESENTATION REGULATIONS AND SPEAKERS

READY ROOM

Before

The Speakers Ready Room is located on the first floor, room G 101. Please locate your lecture hall well in advance of your session and familiarise yourself with the setup. Invited and oral presentation format is PowerPoint. All PowerPoint presentations must be preloaded in the Speakers Ready Room. This must be done the day before your session and as early as possible on Wednesday for sessions on that day.

Once at your session/hall - please check that the file is available on the pc and that it is functional. Note that using private laptops is not allowed. All presenters must be available at the respective lecture hall 15 minutes before the session starts. Please introduce yourself to the Chair. There will be one or two Amsterdam volunteers in each lecture hall who can help with logistics, IT and timing of presentations.

During

The Chair will introduce you and call you to speak (name, institution, title of presentation, and if the speaker is running for YIA). Please practice to keep to the exact timeline of the session.

- 10 min presentation
- 5 min discussion

An Amsterdam volunteer will show you (and the Chair) a yellow card at 9 minutes and a red card at 10 minutes, in order to guide you with respect to the timeline of the presentation. When necessary, a red card will be shown to you again after the allocated 10 minutes, in order to advise you and the Chair to move on to the next presentation.

After

Please clear the room as soon as possible at the end of the session as the next session will start within 15 minutes of the end of your session.

Mini-Oral Sessions

Before

Mini-oral sessions require the pre-upload of the presentation in pdf format (4 slides only) in landscape (horizontal). The presentation time is 2 minutes plus 2 minutes questions and answers. The presentation must be pre-uploaded right in advance of the congress via your ECSS account (deadline15th of June 2014). Please locate the lecture room of your mini-oral session right in advance. Once at your session please check if the file of your presentation is available on the pc and that it is functional. Introduce yourself to your session Chair(s). Be present at least 10 minutes before your session starts.

During

The Chair introduces the speakers (name, institution, title of presentation, and if the speaker is running for YIA). Please practice to keep to the exact timeline of the session.

- 2 minutes presentation
- 2 minutes discussion

The Chair will initiate discussion allowing the audience to pose questions first.

After

Please leave the room soon after the end of the mini-oral session as there may be a session following shortly after.
CONGRESS LANGUAGE
The official congress language is English. No simultaneous translation will be provided.

MEALS AND COFFEE BREAKS
Congress lunches and coffee breaks are included in the fee for the congress participants. Lunch bags (if pre-booked) are served in the Exhibition Area (ground and first floor) on Thursday to Saturday. Coffee breaks are also served in the Exhibition Area (ground and first floor) from Wednesday to Saturday.

Lunch tickets (if pre-booked)
For lunches participants have been asked to pre-book, indicating special food requirements. For each day (Thursday, Friday, Saturday) you will receive a lunch ticket at the registration desk upon arrival.

BADGES
All registered participants and accompanying persons receive a badge. Exhibiting companies have Exhibitor Passes and accredited members of media have Media Passes. The badge is your document to enter the congress site or any of the social activities. Badges must be worn at all times.

TRANSPORTATION

MESSAGES AND CHANGES IN THE PROGRAMME
Messages to participants are given via e-mail. Any changes in the programme will also be announced via e-mail.

INTERNET SERVICES
Wireless internet will be available at the congress venue. You obtain a log-in code at the registration desk.

TECHNICAL EXHIBITION
The technical exhibition is located on the ground and first floor. The opening hours, at which exhibitors’ attendance is mandatory, are:
- Wednesday July 2nd 15.00 to 20.30 hrs
- Thursday July 3rd 10.00 to 16.30 hrs
- Friday July 4th 10.00 to 16.30 hrs
- Saturday July 5th 10.00 to 14.15 hrs

TOURIST INFORMATION
From its earliest days, Amsterdam has been a bustling hub of commerce that welcomed other cultures with open arms. Learn more about this lovely canal-side city, including the rich history and development of its tolerant society. Or jump straight to today and find out about the city’s architecture and its colourful neighbourhoods. If you’re feeling ambitious, you might even pick up a few words of Dutch.

Amsterdam can be reached quickly, directly and comfortably from all over the world. Amsterdam Schiphol Airport is a modern airport, which has direct scheduled connections to 237 cities in more than 100 countries by 85 airlines. Train and motorway connections to Amsterdam from all major European destinations are excellent. Train and taxi connections from Schiphol Airport to the congress venue take only 10-15 minutes. The city centre can be reached in just 20 – 25 minutes.

ACCREDITATION FOR DUTCH PARTICIPANTS
Applications for credits have been sent to:
- Koninklijk Nederlands Genootschap voor Fysiotherapie (KNGF)
- Vereniging voor Sportgeneeskunde (VSG)
- Accreditatie Deskundigheidsbevorderende Activiteiten Paramedici (ADAPI), 27 credits
- Nederlandse Orthopaedische Vereniging (NOV), 12 credits
- Nederlandse Vereniging voor Cardiologie (NVVC), 12 credits
- Accreditatie Bureau Cluster 1 (ABC1), 27 credits

SOCIAL PROGRAMME
The ECSS congress and Amsterdam offer you a wide range of social events apart from the scientific programme. All functions are included in the congress registration fees, unless indicated differently.

Opening Ceremony
This is the official opening of the congress and will feature on opening addresses from the congress presidents and the ECSS president together with some local entertainment.

Opening Reception (sponsored by the City of Amsterdam)
The Opening Ceremony will be followed by an Opening Reception, which is also the official opening of the exhibition, with some finger food and drinks. We thank the city of Amsterdam for sponsoring this event. Pre-booking obligatory.

ECSS General Assembly
All ECSS members are invited to join the ECSS General Assembly to get informed of the latest facts and figures and the development of the society.

Closing Ceremony
The Closing Ceremony will immediately follow the Young Investigator Awards and will feature Thanks and Goodbye from Amsterdam and a presentation from the 20th Annual Congress ECSS Malmö 2015 in Sweden.

ECSS Congress Party (pre-booking required)
The Congress Party will take place in Science Center Nemo on Saturday night. It will be the time to celebrate and dancing will be compulsory.
<table>
<thead>
<tr>
<th>39</th>
<th>Actigraph</th>
<th>Objective physical activity monitoring hardware and software</th>
<th>USA</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>AMTI</td>
<td>Biomechanic force platform systems</td>
<td>USA</td>
</tr>
<tr>
<td>41</td>
<td>ANT Neuro b.v.</td>
<td>eegosports - ultra-mobile eeg &amp; ermg acquisition platform</td>
<td>The Netherlands</td>
</tr>
<tr>
<td>43</td>
<td>Artinis Medical Systems B.V.</td>
<td>Optical imaging and oxygenation measurements</td>
<td>The Netherlands</td>
</tr>
<tr>
<td>37</td>
<td>Aspetar</td>
<td>Orthopaedic and Sports Medicine Hospital Qatar</td>
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</tr>
<tr>
<td>11</td>
<td>Bodystat Ltd.</td>
<td>Body composition and fluid monitoring units bio-electrical impedance British Isles</td>
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<td>5</td>
<td>CamNtech Ltd.</td>
<td>Medical devices manufacturer United Kingdom</td>
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<td>70</td>
<td>CareFusion Netherlands 238 B.V.</td>
<td>Vynus CPX The Netherlands</td>
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<td>45</td>
<td>C-Motion, Inc.</td>
<td>Biomechanics research software, Visual3D USA</td>
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</tr>
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<td>49</td>
<td>Contemaras GmbH</td>
<td>Worldwide software solutions for general motion analysis in the sport and medicine market Germany</td>
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<td>35</td>
<td>CORTEX Biophysik GmbH</td>
<td>CPET systems</td>
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<td>14-15</td>
<td>COSMED S.r.l.</td>
<td>Comprehensive Cardiopulmonary, Metabolic and Body Composition solutions for the Research, Sport Science and human Performance field Italy</td>
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<tr>
<td>77</td>
<td>Delsys Inc.</td>
<td>Surface Electromyography (sEMG), Surface Decomposition EMG (dEMG) and complimentary Biosignal Systems USA</td>
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<tr>
<td>36</td>
<td>DorsoVi</td>
<td>ViPerform &amp; ViMove – wireless inertial and EMG sensors United Kingdom</td>
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<tr>
<td>27</td>
<td>ECSS Malmö 2015</td>
<td>20th annual congress of the European College od Sport Science Sweden</td>
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<td>1</td>
<td>ECSS Office</td>
<td>Organiser of the annual congress of the European College of Sport Science Germany</td>
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</tr>
<tr>
<td>69</td>
<td>ForceLink</td>
<td>Treadmills The Netherlands</td>
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<tr>
<td>42</td>
<td>FrieslandCampina DMV BV</td>
<td>Dairy ingredients The Netherlands</td>
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<td>45</td>
<td>Galileo Novotec Medical GmbH</td>
<td>Vibration training devices, ground reaction force plates Germany</td>
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<td>16</td>
<td>Gatorade Sports Science Institute</td>
<td>Gatorade Sports Science Institute focuses on Research, Education and Athlete Services in the fields USA</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>h/p/cosmos sports &amp; medical GmbH</td>
<td>h/p/cosmos treadmill ergometer Germany</td>
<td></td>
</tr>
<tr>
<td>52</td>
<td>Human Kinetics</td>
<td>Publisher UK</td>
<td></td>
</tr>
<tr>
<td>2-3</td>
<td>HUR Labs Oy</td>
<td>Performance testing products Finland</td>
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<tr>
<td>21</td>
<td>InnoSportLab Papendal</td>
<td>The ideal test and measurement environment for elite sports in the Netherlands The Netherlands</td>
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<tr>
<td>No.</td>
<td>Exhibitor Name</td>
<td>Description</td>
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<td>23</td>
<td>Kistler Instrumente AG</td>
<td>Force Plates, Force and Acceleration Sensors, Software for Performance and Balance analysis Switzerland</td>
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<td>19</td>
<td>Lode B.V.</td>
<td>Bicycle and treadmill ergometers and ergometry software The Netherlands</td>
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<tr>
<td>76</td>
<td>McRoberts</td>
<td>DynaPort MoveMonitor, DynaPort MM, DynaPort MM+ and DynaPort MT The Netherlands</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Mega Electronics Ltd</td>
<td>eMotion EMG, eMotion Faros Mobile remote ECG monitoring Finland</td>
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<tr>
<td>31-32</td>
<td>MICROGATE SRL</td>
<td>Innovative and well-known solutions (e.g. OptoJump Next, Witty), consulting, and technical support to coaches and trainers Italy</td>
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<tr>
<td>33</td>
<td>Monark Exercise AB</td>
<td>Sports &amp; Medical Products for life and Performance Sweden</td>
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</tr>
<tr>
<td>28</td>
<td>Northern Digital Systems</td>
<td>Motion Capture Systems Canada</td>
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<td>4</td>
<td>PAL Technologies Ltd</td>
<td>activPALTM - clinical tools for quantifying sedentary, upright and ambulatory activities and behaviour Scotland, UK</td>
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<td>7</td>
<td>PhysioFlow Inc. USA / Manatec Biomedical France</td>
<td>A unique range of noninvasive cardiac output monitors France</td>
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<tr>
<td>38</td>
<td>Polar Electro</td>
<td>The pioneer and world’s leader of heart rate monitoring and fitness evaluation equipment The Netherlands</td>
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<td>17-18</td>
<td>Power Bar Europe GmbH</td>
<td>Power Bar Premium Sports Nutrition Germany</td>
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<td>78</td>
<td>POWERbreathe International Ltd</td>
<td>Inspiratory Muscle Training, Better Breathing and Altitude Simulation Training United Kingdom</td>
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<td>20B</td>
<td>Qualysys AB</td>
<td>3D Motion Capture System - Movement Analysis System Sweden</td>
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<td>50-51</td>
<td>RBM elektronik-automation GmbH</td>
<td>Cyclus2 - The Ergometer for Pros - PERFORMANCE DIAGNOSTICS AND TRAINING ON YOUR OWN BIKE Germany</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Routledge Taylor &amp; Francis Group</td>
<td>Publisher of European Journal of Sport Science United Kingdom</td>
<td></td>
</tr>
<tr>
<td>20A</td>
<td>Velamed GmbH</td>
<td>Biomechanic Full Supplier Germany</td>
<td></td>
</tr>
<tr>
<td>48</td>
<td>SensoMotoric Instruments GmbH</td>
<td>Eye tracking hardware and software Germany</td>
<td></td>
</tr>
<tr>
<td>75</td>
<td>Vicon</td>
<td>Motion capture hardware and software United Kingdom</td>
<td></td>
</tr>
<tr>
<td>68</td>
<td>Woodway GmbH</td>
<td>WOODWAY Slat Belt Treadmills, Wattbike Indoor Bikes Germany</td>
<td></td>
</tr>
<tr>
<td>29-30</td>
<td>Xsens Technologies B.V.</td>
<td>Human motion analysis The Netherlands</td>
<td></td>
</tr>
</tbody>
</table>
Lecture Rooms - First floor
## Sessions

**Plenary Sessions / Honorary session**  
17

**Oral Presentations**  
18

- **Wednesday, July 2nd**  
  18

- **Thursday, July 3rd**  
  20

- **Friday, July 4th**  
  28

- **Saturday, July 5th**  
  36

**Mini Oral Presentations**  

- **Wednesday, July 2nd (13:00-14:00)**  
  40

- **Wednesday, July 2nd (14:00-15:00)**  
  44

- **Thursday, July 3rd (14:00-15:00)**  
  48

- **Thursday, July 3rd (15:00-16:00)**  
  52

- **Friday, July 4th (14:00-15:00)**  
  56

- **Friday, July 4th (15:00-16:00)**  
  60

**e-Poster**  
64

**Exhibitors profiles**  
75
Plenary sessions

Wednesday, July 2nd, 2014
16:50 – 18:15
Auditorium PS-PL01
Women versus men in sport and exercise
Chairs:
VAN POPPEL, M. [NETHERLANDS]
DE RUITER, J. [NETHERLANDS]
16:50 PS-PL01-1
GENDER DIFFERENCES IN PHYSICAL ACTIVITY AND SEDENTARY TIME, DO THEY TRANSLATE TO GENDER DIFFERENCES IN HEALTH OUTCOMES?
BROWN, W. [AUSTRALIA]
17:30 PS-PL01-2
SEX DIFFERENCES IN NEUROMUSCULAR FATIGUE AND PERFORMANCE: WHY DOES IT MATTER?
HUNTER, S.K. [UNITED STATES]

Thursday, July 3rd, 2014
12:00 – 13:15
Auditorium PS-PL04
Who has the future in public health – young or old?
Chairs:
VAN MECHELEN, W. [NETHERLANDS]
VAN DER BEEK, A. [NETHERLANDS]
12:00 PS-PL04-1
BEND THE TWIG AND BEND THE TREE
CHIN, A. ET AL. [NETHERLANDS]
12:40 PS-PL04-2
THE CASE FOR EXERCISE PROMOTION IN THE ELDERLY
BOREHAM, C. [IRELAND]

Friday, July 4th, 2014
12:00 – 13:15
Auditorium PS-PL02
Interaction between thermal environment, mental and physical status of the athlete and power output *
Chairs:
HAVENITH, G. [UNITED KINGDOM]
DAANEN, H. [NETHERLANDS]
12:00 PS-PL02-1
BEHAVIOURAL ADAPTATIONS DURING EXERCISE IN EXTREME AMBIENT TEMPERATURES
FLOURIS, A.D. [GREECE]
12:40 PS-PL02-2
PERFORMANCE IN THERMAL EXTREMES - ADAPTATION TO HEAT AND COLD
DAANEN, H. [NETHERLANDS]

Saturday, July 5th, 2014
12:00 – 13:15
Auditorium PS-PL03
Challenges for the Paralympic Games: fairness and identity *
Chairs:
GOOSEY-TOLFREY, V. [UNITED KINGDOM]
JANSSEN, T. [NETHERLANDS]
12:00 PS-PL03-1
PARALYMPIC SPORT PERFORMANCE: HOW CAN DIVERSITY IN TRAINING, EQUIPMENT, ERGONOMICS AND IMPAIRMENT RESULT IN FAIR COMPETITION?
VANLANDEWIJCK, Y. [BELGIUM]
12:40 PS-PL03-2
BRAVE NEW „PARALYMPIC” WORLD: ABILITY, TECHNOLOGY AND ETHICS
MCNAMEE, M. [UNITED KINGDOM]

* clinical track
Oral & Invited Presentations

Auditorium IS-PM03
Control of skeletal muscle mass with ageing: Effects of exercise, inactivity and inflammation * - sponsored by IOC Solidarity Fund
Chair(s):
Narici, M. [United Kingdom] Jaspers, R. [Netherlands]
15:00 IS-PM02-1
INFLAMMATION: FRIEND OR FOE OF SKELETAL MUSCLE?
Kjaer, M. [Denmark]
15:30 IS-PM02-2
IMPACT OF INACTIVITY ON MUSCULOSKELETAL HEALTH IN AGEING
Greenhaff, P. [United Kingdom]
16:00 IS-PM02-3
MAINTAINING MUSCLE MASS IN OLD AGE: EXERCISE, NUTRITION OR DRUGS?
Greig, C.A. [United Kingdom]

Forum IS-BN01
Maximizing wheeling performance! *
Chair(s):
Veeger, d. [Netherlands] van der Woude, L. [Netherlands]
15:00 IS-BN01-1
MAXIMIZING WHEELING PERFORMANCE! WHEELCHAIR TRAINING: WHAT IS THE IDEAL STRATEGY AND PROGRAMME?
Goosse Tiffrey, V. [United Kingdom]
15:30 IS-BN01-2
FITTING THE WHEELCHAIR TO THE ATHLETE van-der-Woude, L. et al [Netherlands]
16:00 IS-BN01-3
THE PERFECT WHEELCHAIR Vaslin, P. [France]

Emerald IS-PM01
Asthma in the athletes * - sponsored by IOC Solidarity Fund
Chair(s):
Cogo, A. [Italy]
15:00 IS-PM01-1
MECHANISMS OF ASTHMA DEVELOPMENT IN ELITE ATHLETES Carlsen, K.H. [Norway]
15:30 IS-PM01-2
ASTHMA IN ATHLETES Bonsignore, M. [Italy]
16:00 IS-PM01-3
DIAGNOSIS AND TREATMENT OF ASTHMA IN ATHLETES Backer, V. [Denmark]

ET02 OP-PM01
Muscle Protein Synthesis & Balance
Chair(s):
Mackey, A. [Denmark]
15:00 [YIA] OP-PM01-1
RELATIONSHIPS BETWEEN LONG-TERM MUSCLE PROTEIN SYNTHESIS AND HYPERTROPHY IN RESPONSE TO RESISTANCE EXERCISE TRAINING: A NOVEL D2O TRACER APPROACH Brook, M.S. et al [United Kingdom]
15:15 [YIA] OP-PM01-2
MECHANISMS OF ASTHMA DEVELOPMENT IN ELITE ATHLETES Carlsen, K.H. [Norway]
15:30 [YIA] OP-PM01-3
LEUCINE ENRICHED PROTEIN FEEDING DOES NOT IMPAIR EXERCISE-INDUCED LIPID OXIDATION: IMPLICATIONS FOR TRAINING IN CARBOHYDRATE RESTRICTED STATES Impye, S.G. et al [United Kingdom]
15:45 [YIA] OP-PM01-4
BASAL AND POST-PRANDIAL PROTEIN SYNTHESIS RATES ARE NOT IMPAIRED IN OLDER TYPE 2 DIABETES PATIENTS WHEN COMPARED WITH HEALTHY AGE-MATCHED CONTROLS Kouw, I. et al [Netherlands]
16:00 [YIA] OP-PM01-5
FISH OIL SUPPLEMENTATION ALTERS P70S6K1 ACTIVITY IN RESPONSE TO RESISTANCE EXERCISE AND PROTEIN FEEDING WITHOUT INFLUENCING MYOFIBRILLAR PROTEIN SYNTHESIS IN HUMANS McGlory, C. et al [United Kingdom]
16:15 [YIA] OP-PM01-6
HIGH-INTENSITY CYCLING PERFORMED PRIOR TO RESISTANCE EXERCISE DOES NOT INFLUENCE MTORC1-SIGNALING AND THE RATE OF MUSCLE PROTEIN SYNTHESIS IN THE TRICEPS BRACHII Moberg, M. et al [Sweden]

G102 OP-BN01
Neuromuscular Physiology
Chair(s):
Frencken, W. [Netherlands] Avela, J. [Finland]
15:00 [YIA] OP-BN01-1
MUSCLE-SPECIFIC HYPERTROPHY OF SYNERGISTIC MUSCLES IN COMPETITIVE CYCLISTS Ermo, R. et al [Japan]
15:15 [YIA] OP-BN01-2
INTER-DANCER DIFFERENCE IN MUSCLE ACTIVITIES AT JOINT PHASE TRANSITION DURING TIPTOE STANDING IN CLASSICAL BALLET Tanabe, H. [Japan]
15:30 [YIA] OP-BN01-3
AGE-RELATED DECREASE IN POSTURAL CONTROL IS RELATED TO DIFFERENT MODULATION IN MOTOR CORTEX INHIBITION BETWEEN POSTURAL TASKS Papegaaij, S. et al [Netherlands]
15:45 [YIA] OP-BN01-4
DOES METABOLITE ACCUMULATION PER SE ENHANCE EXERCISE-INDUCED MUSCLE HYPERTROPHY? Madaramme, H. et al [Japan]
16:00 [YIA] OP-BN01-5
INJURIES TO PROFESSIONAL AND AMATEUR KICK-BOXING CONTESTANTS Lystad, R.P. [Australia]
16:15 [YIA] OP-BN01-6
DOES PRE-EXERCISE STATIC STRETCH INDUCE IMPAIRMENTS ON THE PEAK TORQUE? AN EVIDENCE-BASED SYSTEMATIC REVIEW AND META-ANALYSIS Andrade, R. et al [Portugal]
Wednesday, July 2nd, 2014

15:00 - 16:30

**G103 OP-PM02**
Alternative Exercise Training
Chair(s):
Truijens, M. [Netherlands]

15:00 [YIA] OP-PM02-1
SATELITE CELL AND MYONUCLEAR RESPONSE TO BLOOD FLOW RESTRICTED RESISTANCE EXERCISE
Løvstad, A. et al [Norway]

15:15 [YIA] OP-PM02-2
STRENGTH TRAINING IMPROVES RUNNING AND CYCLING PERFORMANCE
Vikmoen, O. et al [Norway]

15:30 [YIA] OP-PM02-3
EFFECTS OF TRADITIONAL AND RESISTED SPRINT TRAINING IN HIGHLY TRAINED, FEMALE TEAM HANDBALL PLAYERS
Luteberget, L. et al [Norway]

15:45 [YIA] OP-PM02-4
RELATIONSHIP BETWEEN RELATIVE AGE, ANTHROPOMETRY, MATURITY AND MOTOR SKILLS IN YOUNG ALPINE SKI RACERS COMPARED TO PUPILS OF THE SAME AGE
Müller, L. et al [Austria]

16:00 [YIA] OP-PM02-5
PREDICTING UPTAKE OF CYCLING FOR TRANSPORT IN ADULTS
Titze, S. et al [Austria]

**G104 IS-SH01**
FEPSAC symposium - Knowing what we want tomorrow in order to prepare for it today: Career development and transitions of talented, elite and retired athletes
Chair(s):
Sanchez, X. [Netherlands] van Bottenburg, M. [Netherlands]

15:00 IS-SH01-1
A DEVELOPMENTAL AND HOLISTIC PERSPECTIVE ON THE CAREER OF ELITE AND RETIRED ATHLETES
Sanchez, X. et al [Netherlands]

15:30 IS-SH01-2
THE ROLE OF WELL-BEING FORECASTS IN ELITE SPORT RETIREMENT PLANNING AND DECISION MAKING, AND POST-RETIREMENT LIFE ADJUSTMENT
Sanchez, X. et al [Netherlands]

16:00 IS-SH01-3
EVIDENCE-BASED INTERVENTION PROGRAMMES ADDRESSING AFFECTIVE FORECASTING ERRORS IN ELITE SPORT RETIREMENT
Lavallee, O. et al [United Kingdom]

**G105 OP-SH01**
Sports Policy and Statistics
Chair(s):
Nagel, S. [Switzerland]

15:00 [YIA] OP-SH01-1
ATTACKING AND DEFENSIVE STYLES OF PLAY IN ELITE SOCCER
Sanchez, X. et al [Netherlands]

15:15 [YIA] OP-SH01-2
IMPACT OF AN NHS WORKPLACE HEALTH PROMOTION PROGRAMME ON STAFF HEALTH AND WELLBEING: A FEASIBILITY STUDY
Sanchez, X. et al [Netherlands]

15:30 OP-SH01-3
IMPACT OF AN NHS WORKPLACE HEALTH PROMOTION PROGRAMME ON STAFF HEALTH AND WELLBEING: A FEASIBILITY STUDY
Sanchez, X. et al [Netherlands]

15:45 OP-SH01-4
A COMPARISON OF CLASSIC AND SKATE CROSS-COUNTRY SKIING IN VARYING TERRAIN EMPLOYED BY MALE AND FEMALE WORLD-CLASS SKIERS
Sanchez, X. et al [Netherlands]

16:00 OP-SH01-5
THE IMPORTANCE OF PRIVACY IN PROVIDING WHEREABOUTS FOR DUTCH ELITE ATHLETES
Sanchez, X. et al [Netherlands]

**G106 OP-PM03**
Lifestyle Research
Chair(s):
van Poppel, M. [Netherlands]

15:00 OP-PM03-1
IMPACT OF THE REPRODUCTION OF TRAGEDY ON ABDUCTION, AESTHETICS, AND ATTITUDES
Sanchez, X. et al [Netherlands]

15:15 OP-PM03-2
PARALYMPICS AND THE REPRODUCTION OF TRAGEDY ON ABDUCTION, AESTHETICS, AND ATTITUDES
Sanchez, X. et al [Netherlands]

15:30 OP-PM03-3
PHYSICAL LOAD OF TOP-LEVEL ROAD RACING MOTORCYCLING COMPETITIONS VIA KINEMATICAL ANALYSES
Sanchez, X. et al [Netherlands]

15:45 OP-PM03-4
A COMPARISON OF CLASSIC AND SKATE CROSS-COUNTRY SKIING IN VARYING TERRAIN EMPLOYED BY MALE AND FEMALE WORLD-CLASS SKIERS
Sanchez, X. et al [Netherlands]

16:00 OP-PM03-5
THE IMPORTANCE OF PRIVACY IN PROVIDING WHEREABOUTS FOR DUTCH ELITE ATHLETES
Sanchez, X. et al [Netherlands]

16:15 OP-PM03-6
A DEVELOPMENTAL AND HOLISTIC PERSPECTIVE ON THE CAREER OF ELITE AND RETIRED ATHLETES
Sanchez, X. et al [Netherlands]

16:30 OP-PM03-7
THE ROLE OF WELL-BEING FORECASTS IN ELITE SPORT RETIREMENT PLANNING AND DECISION MAKING, AND POST-RETIREMENT LIFE ADJUSTMENT
Sanchez, X. et al [Netherlands]
### Oral & Invited Presentations

**Auditorium OP-PM04**
- **Nutrition & Supplements**
  - Chair(s): Verdijk, L. [Netherlands]
  - Raastad, T. [Norway]
- **Biomechanics**
  - Chair(s): van Soest, K. [Netherlands]
  - Federolf, P. [Norway]
- **Sports Medicine & Exercise Therapy**
  - Chair(s): Quist, M. [Denmark]
- **High Intensity Intermittent Training (HIT)**
  - Chair(s): Dahlmann, T. et al [Denmark]

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>OP-PM04-1</td>
<td>Dietary Nitrate Supplementation: Effects on Plasma Nitrate and Pulmonary O2 Uptake During Exercise in Hypoxia and Normoxia</td>
<td>Kelly, J. et al [United Kingdom]</td>
</tr>
<tr>
<td>08:30</td>
<td>OP-PM03-1</td>
<td>Human Achilles Tendon Plasticity in Response to Cyclic Strain: Effect of Rate and Duration</td>
<td>Bohm, S. et al [Germany]</td>
</tr>
<tr>
<td>08:45</td>
<td>OP-PM04-2</td>
<td>Principal Component Analysis of In-Skate Plantar Force to Discriminate High and Low Caliber Hockey Players</td>
<td>Buckridge, E. et al [Canada]</td>
</tr>
<tr>
<td>09:00</td>
<td>OP-PM03-3</td>
<td>Fatigue Negatively Affects Purported Injury Predictors During Barefoot But Not Shoed Running</td>
<td>Coetzee, D. et al [South Africa]</td>
</tr>
<tr>
<td>09:15</td>
<td>OP-PM04-4</td>
<td>The Inclusion of Rotational Acceleration in Alpinist Helmet Testing Methodology</td>
<td>Dawson, L. et al [Canada]</td>
</tr>
<tr>
<td>09:30</td>
<td>OP-PM03-5</td>
<td>Increased Power Output During Cycling is Characterized by Changes in Muscle Activation Strategy and Variability</td>
<td>Enders, H. et al [Canada]</td>
</tr>
</tbody>
</table>

**Forum OP-BN03**
- **Nutrition & Supplements**
  - Chair(s): van Soest, K. [Netherlands]
  - Federolf, P. [Norway]
- **Sports Medicine & Exercise Therapy**
  - Chair(s): Quist, M. [Denmark]
- **High Intensity Intermittent Training (HIT)**
  - Chair(s): Dahlmann, T. et al [Denmark]

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<tr>
<td>08:30</td>
<td>OP-PM04-1</td>
<td>Dietary Nitrate Supplementation: Effects on Blood Pressure. The O2 Cost of Exercise, and Walking Performance in Individuals with Type 2 Diabetes</td>
<td>Shepherd, A. et al [United Kingdom]</td>
</tr>
<tr>
<td>09:00</td>
<td>OP-PM03-3</td>
<td>Low GI Meals Minimize Post-Prandial Hyperglycaemia Whilst Protecting from Early Onset Hypoglycaemia Following Evening Exercise in T1DM</td>
<td>Bonato, M. et al [Italy]</td>
</tr>
<tr>
<td>09:15</td>
<td>OP-PM04-4</td>
<td>The Use of Left Ventricular Strain Analysis and Exercise to Identify Sub-Clinical Cardiac Dysfunction in Otherwise Asymptomatic Cancer Survivors</td>
<td>Kearney, M. [United Kingdom]</td>
</tr>
<tr>
<td>09:30</td>
<td>OP-PM03-5</td>
<td>Dissociation in the Effect of Terbutaline on Hyperpnea-Induced Respiratory Symptoms and Bronchoconstriction in Athletes</td>
<td>Simpson, A. J. et al [United Kingdom]</td>
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</tbody>
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**Emerald OP-PM05**
- **Sports Medicine & Exercise Therapy**
  - Chair(s): Wüst, R. [Netherlands]
  - Draper, N. [United Kingdom]
- **High Intensity Intermittent Training (HIT)**
  - Chair(s): Dahlmann, T. et al [Denmark]

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<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>09:00</td>
<td>OP-PM06-3</td>
<td>Orical Contraceptive Use and Adaptation to High Intensity Interval Training in Recreationally-Active Women</td>
<td>Schaumberg, M. et al [Australia]</td>
</tr>
<tr>
<td>09:15</td>
<td>OP-PM06-4</td>
<td>Effects of High-Intensity Interval Training on the Resting Metabolic Rate and Fat Oxidation</td>
<td>Scheuer, C. et al [Denmark]</td>
</tr>
<tr>
<td>09:30</td>
<td>OP-PM06-5</td>
<td>Interval Exercise, But Not Endurance Exercise, Prevents Endothelial Ischemia-Reperfusion Injury in Healthy Subjects</td>
<td>Seeger, J. et al [Netherlands]</td>
</tr>
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</table>

**E102 OP-PM06**
- **Sports Medicine & Exercise Therapy**
  - Chair(s): Wüst, R. [Netherlands]
  - Draper, N. [United Kingdom]
- **High Intensity Intermittent Training (HIT)**
  - Chair(s): Dahlmann, T. et al [Denmark]

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<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
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</thead>
<tbody>
<tr>
<td>09:45</td>
<td>OP-PM06-6</td>
<td>The Effect of High-Intensity Interval Training on the Mitochondrial Capacity to Oxidize Fat in Human Skeletal Muscle</td>
<td>Søndergård, S. et al [Denmark]</td>
</tr>
</tbody>
</table>

**G102 OP-BN04**
- **Motor Control & Learning**
  - Chair(s): Seifert, L. [France]
  - Maflusletti, N. [Switzerland]

<table>
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<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
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</thead>
<tbody>
<tr>
<td>08:45</td>
<td>OP-BN04-2</td>
<td>Impact of Motor Imagery at Spinal Level</td>
<td>Grospretre, S. et al [France]</td>
</tr>
<tr>
<td>09:00</td>
<td>OP-BN04-3</td>
<td>The Effect of a Family-Based RCT in Enhancing Physical Activity and Gross Motor Skills in Children is Influenced by Seasonal Variation</td>
<td>Laukkanen, A. et al [Finland]</td>
</tr>
<tr>
<td>09:15</td>
<td>OP-BN04-4</td>
<td>Mirror Illusion Reduces Motor Cortical Inhibition in the Ipsilateral Primary Motor Cortex During Effortful Unilateral Muscle Contractions</td>
<td>Zult, T. et al [Netherlands]</td>
</tr>
<tr>
<td>09:30</td>
<td>OP-BN04-5</td>
<td>Task Dependent Changes of Corticospinal Excitability During Observation and Motor Imagery of Postural Tasks</td>
<td>Mouhoun, A. et al [Switzerland]</td>
</tr>
</tbody>
</table>

### Annual Congress of the European College of Sport Science
<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td><strong>G103</strong></td>
<td><strong>OP-PM07</strong></td>
<td><strong>Vascular Biology</strong></td>
</tr>
<tr>
<td>Chair(s):</td>
<td>Coombes, J. [Australia] Kenney, W. [United States]</td>
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</tr>
<tr>
<td><strong>08:30</strong></td>
<td>IMPACT OF HANDGRIP EXERCISE INTENSITY ON BRACHIAL ARTERY FUNCTION: ROLE OF SHEAR RATE</td>
<td>Atkinson, C.L. et al [Australia]</td>
</tr>
<tr>
<td><strong>08:45</strong></td>
<td>ALTERED VENTRICULAR MECHANICS AND INCREASED TROPONIN AFTER A 60-MIN COMPETITIVE CYCLE RACE</td>
<td>Stewart, G. et al [Australia]</td>
</tr>
<tr>
<td><strong>09:00</strong></td>
<td>A DECLINE OF YOUTH SPORT IN SWEDEN?</td>
<td>Norberg, J. [Sweden]</td>
</tr>
<tr>
<td><strong>09:15</strong></td>
<td>EFFECTS OF CO2 ON VENTILATORY AND CEREBRO-VASCULAR RESPONSES DURING PASSIVE HEATING IN HUMANS</td>
<td>Tsuji, B. et al [Japan]</td>
</tr>
<tr>
<td><strong>G104</strong></td>
<td><strong>OP-SH02</strong></td>
<td><strong>Sports Sociology</strong></td>
</tr>
<tr>
<td>Chair(s):</td>
<td>athiessen, D. [United Kingdom] Fahlén, J. [Sweden]</td>
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<tr>
<td><strong>08:30</strong></td>
<td>DETERMINING THE USE AND INTEREST IN HEALTH-RELATED SERVICES AND PRODUCTS BY EVENT RUNNERS</td>
<td>Janssen, M.A. et al [Netherlands]</td>
</tr>
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<td><strong>08:45</strong></td>
<td>MALMÖ YOUTH SPORT STUDIE</td>
<td>Petersson, T. [Sweden]</td>
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<td><strong>09:00</strong></td>
<td>A DECLINE OF YOUTH SPORT IN SWEDEN?</td>
<td>Norberg, J. [Sweden]</td>
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<tr>
<td><strong>09:15</strong></td>
<td>‘WILLFUL BLINDNESS’ AS A CONTRIBUTOR TO ATHLETE MALTREATMENT</td>
<td>Cook, E. et al [Canada]</td>
</tr>
<tr>
<td><strong>09:30</strong></td>
<td>PRESSURE TO PLAY: A SOCIOLOGICAL ANALYSIS OF PROFESSIONAL FOOTBALL MANAGERS’ BEHAVIOURS TOWARDS INJURED PLAYERS</td>
<td>Bloyce, D. et al [United Kingdom]</td>
</tr>
</tbody>
</table>

**Additional Information**

- **Thursday, July 3rd, 2014**
- **08:30 - 10:00**
- **ECSS Amsterdam 2014 - The Netherlands, 2-5 July**
### Auditorium IS-PM06
**Handcycling: from rehabilitation to elite sports performance** - sponsored by IOC Solidarity Fund

**Chair(s):**
- Janssen, T. [Netherlands]
- Abel, T. [Germany]

10:20 IS-PM06-1
**Handcycling to promote health and fitness during and after rehabilitation**
Janssen, T.W.J. [Netherlands]
10:50 IS-PM06-2
**Handcycling to promote health and fitness during and after rehabilitation**
Janssen, T.W.J. [Netherlands]
11:20 IS-PM06-3
**Innovative handcycling training interventions: Optimizing performance**
Perret, C. [Switzerland]

### Forum IS-BN02
**The Power-Duration Relationship: Physiological Determinants and Implications for Performance Assessment and Exercise Prescription** - sponsored by adidas

**Chair(s):**
- Jones, A. [United Kingdom]
- Poole, D. [United States]

10:20 IS-BN02-1
**The Power-Duration Relationship: Mechanisms of Vascular Control**
Poole, D. [United States]
10:50 IS-BN02-2
**Altered Perfusion Distribution and Temporal Activity at Bifurcations Impairs Microvascular Blood Flow Distribution in Metabolic Syndrome. Does a Shifted Attractor Define Peripheral Vascular Disease?**
Frisbee, J. [United States]
11:20 IS-BN02-3
**Effect of Different Training Modes on Skeletal Muscle Microvascular Density and Endothelial Enzymes Controlling NO Production**
Cocks, M. [United Kingdom]

### Emerald IS-PM03
**The beneficial effects of exercise training on muscle microvascular endothelial function in health and disease** - sponsored by IOC Solidarity Fund

**Chair(s):**
- Frisbee, J. [United States]

10:20 IS-PM03-1
**Normal Muscle Microvascular Endothelial Function and Obesity-Induced Impairments**
van Hinsbergh, V.W.M. et al [Netherlands]
10:50 IS-PM03-2
**Metabolic Determinants of the Critical Power**
Vanhatalo, A. [United Kingdom]
11:20 IS-PM03-3
**Exercise Intensity Domains: Importance for Exercise Prescription in Clinical Populations**
Mezzani, A. [Italy]

### E102 IS-PM12
**Efficiency in endurance sports** - sponsored by IOC Solidarity Fund

**Chair(s):**
- Ettema, G. [Norway]
- de Koning, J. [Netherlands]

10:20 IS-PM12-1
**Efficiency in Endurance Exercise Efficiency of What?**
Ettema, G. [Norway]
10:50 IS-PM12-2
**The Role of Gross Mechanical Efficiency in Endurance Sports**
Sandbakk, Ø. et al [Norway]
11:20 IS-PM12-3
**Gross Efficiency During High Intensity Exercise**
Noorhol, D.A. et al [Netherlands]

### G102 IS-BN03
**Muscle contractile mechanics of human multi-joint movements**

**Chair(s):**
- Yamauchi, J. [Japan]
- Bobbert, M. [Netherlands]

10:20 IS-BN03-1
**E102 - Why is the Force-Velocity Relationship of Multi-Joint Movements Quasi-Linear Rather Than Hyperbolic?**
Bobbert, M. et al [Netherlands]
11:20 IS-BN03-2
**Force-Velocity Properties Contribution During Ballistic Movements**
Samozino, P. et al [France]
**Thursday, July 3rd, 2014**

### G103 OP-PM10

**Exercise Metabolism**

**Chair:**
- Hunter, S. [United States]
- Carlsen, K. [Norway]

10:20 **[YIA] OP-PM10-1**

**Muscle Metabolic Responses and Fatigue Mechanisms During Moderate-, Heavy- and Severe-Intensity Cycling Exercise**

- Black, M. [United Kingdom]

10:35 **[YIA] OP-PM10-2**

**ROS Production by NADPH Oxidase Plays an Important Role in Gene Expression Induced by Exercise in Skeletal Muscle Cells.**

- Henríquez Olguín, C. et al [Chile]

10:50 **[YIA] OP-PM10-3**

**Hemoglobin Mass, Blood Volume and VO2max in Prepubertal Cross-Country Skiers**

- Aaeng, A. et al [Norway]

11:05 **[YIA] OP-PM10-4**

**Monitoring Training Status in Cyclists using Maximal Rate of Heart Rate Increase**

- Bellenger, C. et al [Australia]

11:20 **[YIA] OP-PM10-5**

**Eccentric Strain Determines Exercise Induced Muscle Damage**

- Hicks, K.M. et al [United Kingdom]

11:35 **[YIA] OP-PM10-6**

**Maintained Cerebral Oxygenation in Elite Kenyan Runners During a 5km Time-Trial**

- Santos Concejoero, J. et al [South Africa]

### G104 IS-SH02

**Sport organizations in Europe – opportunities and challenges**

**Chair:**
- Nagel, S. [Switzerland]
- Breedveld, K. [Netherlands]

10:20 **IS-SH02-1**

**Volunteering in Sport Clubs**

- Nagel, S. et al [Switzerland]

10:50 **IS-SH02-2**

**Sports Clubs in Europe - Similarities, Peculiarities and Problems of Measurement**

- Breuer, C. [Germany]

11:20 **IS-SH02-3**

**Organising for "New" Demands: The Organisation of Spontaneous Sports**

- Fahlén, J. [Sweden]

### G105 IS-SH04

**Tactical performance analyses in soccer: what approach matches?**

**Chair:**
- Lemmink, K. [Netherlands]
- Brink, M. [Netherlands]

10:20 **IS-SH04-1**

**Tactical Performance Analysis in Soccer by Measuring Inter-Team Coordination**

- Lemmink, K.A.P.M. et al [Netherlands]

10:50 **IS-SH04-2**

**Tactical Performance Analysis in Soccer by Measuring Inter-Player Coordination**

- Sampaio, J. et al [Portugal]

11:20 **IS-SH04-3**

**Tactical Pattern Recognition in Soccer by Means of a Special Neuronal Network Approach**

- Memmert, D. [Germany]

### G106 OP-PM11

**Ageing and Exercise Training**

**Chair:**
- Gerrits, K. [Netherlands]
- Hortobagyi, T. [Netherlands]

10:20 **[YIA] OP-PM11-1**

**The Combination of Progressive Resistance Training and Dietary Changes Improves Anti-Inflammatory Status and Muscle Mass in Healthy, Physically Active Elderly Women**

- Strandberg, E. et al [Sweden]

10:35 **[YIA] OP-PM11-2**

**Effect of Aerobic and Strength Training Compared to Aerobic Training Alone on Aerobic Capacity in Elderly: A 12-Week Randomized Controlled Trial**

- Teljigovic, S. et al [Denmark]

10:50 **[YIA] OP-PM11-3**

**Capillary Muscle Supply is More Affected by Immobilization in Elderly Compared to Young**

- Wuff, C. et al [Denmark]

11:05 **[YIA] OP-PM11-4**

**The Effects of 2 Weeks Arm Immobilisation on Muscle Function Modulators**

- Bostock, E. et al [United Kingdom]

11:20 **[YIA] OP-PM11-5**

**A NIRS Study Assessing Changes in Prefrontal Cortex Activation During Walking in Elderly Following Training**

- Eggenberger, P. et al [Switzerland]

11:35 **[YIA] OP-PM11-6**

**Neuregulin1 Injection Alters Blood Glucose Responses in an Age Dependent Manner in Rats Exposed to Oral Glucose Challenge**

- Caillaud, K. et al [France]

### G107 OP-PM12

**Cardiovascular Exercise Physiology 1**

**Chair:**
- George, K. [United Kingdom]
- Jones, H. [United Kingdom]

10:20 **[YIA] OP-PM12-1**

**Left Ventricular Structure and Function in Highly-Trained Pre-Pubertal Soccer Players**

- Unnithan, V. et al [United Kingdom]

10:35 **[YIA] OP-PM12-2**

**Is the Maximal Shortening Velocity of Heart Tissue Related to Heart Rate During Resistance Exercise?**

- Stehr, E. et al [United Kingdom]

10:50 **[YIA] OP-PM12-3**

**Myocardial Blood Flow and Oxygen Utilisation in Different Walls of the Human Heart at Rest and During Exercise**

- Heinonen, I. et al [Finland]

11:05 **[YIA] OP-PM12-4**

**A Comprehensive Technical Assessment of the Athlete’s Heart: The “Morganroth Hypothesis” Re-Visited.**

- Utomi, V. et al [United Kingdom]

11:20 **[YIA] OP-PM12-5**

**Peak Oxygen Uptake 12 Months After Cardiac Rehabilitation: A Randomized Controlled Trial of Low-Effort Intervention Versus Usual Care**

- Moholdt, T. et al [Norway]

11:35 **[YIA] OP-PM12-6**

**Walking Training Decreases Ambulatory Blood Pressure Variability in Intermittent Claudication: A Randomized Controlled Trial**

- Chehuen, M. et al [Brazil]
Auditorium IS-PM08

Muscle stem cells and skeletal muscle plasticity - sponsored by IOC Solidarity Fund
Chair(s):
Kadi, F. [Sweden]
16:20 IS-PM08-1
SATELLITE CELLS AND SKELETAL MUSCLE REGENERATION, LEADS FROM CELL CULTURE AND ANIMAL MODELS
Harridge, S. [United Kingdom]
16:50 IS-PM08-2
REGULATION OF SATELLITE CELLS WITH EXERCISE
Parise, G. [Canada]
17:20 IS-PM08-3
MUSCLE STEM CELLS IN SKELETAL MUSCLE ATROPHY AND HYPERTROPHY
Verdijk, L. [Netherlands]

Forum IS-BN05

Rate of force development: methodological, physiological and practical issues
Chair(s):
Maffiuletti, N. [Switzerland]
de ruiter, J. [Netherlands]
16:20 IS-BN05-1
RATE OF FORCE DEVELOPMENT: METHODOLOGICAL ISSUES
Maffiuletti, N. [Switzerland]
16:50 IS-BN05-2
RATE OF FORCE DEVELOPMENT: NEUROMUSCULAR DETERMINANTS
Duchateau, J. [Belgium]
17:20 IS-BN05-3
CONTRACTILE RATE OF FORCE DEVELOPMENT: PRACTICAL IMPLICATIONS
Aagaard, P. [Denmark]

Emerald IS-PM04

Pacing strategy: the key to optimal endurance performance of athletes and clinical populations - sponsored by IOC Solidarity Fund
Chair(s):
de Koning, J. [Netherlands]
Foster, C. [United States]
16:20 IS-PM04-1
MODELLING THE REGULATION OF EFFORT
Tucker, R. [South Africa]
16:50 IS-PM04-2
PACING STRATEGIES IN CLINICAL POPULATIONS
Foster, C. [United States]
17:20 IS-PM04-3
MANIPULATING PACING STRATEGY THROUGH PHARMACOLOGICAL AND ENVIRONMENTAL MEANS
Roelands, B. et al [Belgium]

E102 IS-PM07

Ischaemic preconditioning: Impact on exercise performance and the cardiovascular system* - sponsored by IOC Solidarity Fund
Chair(s):
Green, D. [United Kingdom]
16:20 IS-PM07-1
HISTORICAL OVERVIEW OF ISCHEMIC PRECONDITIONING AND POSITION IN SPORT AND EXERCISE SCIENCE
Redington, A. [Canada]
16:50 IS-PM07-2
CAN ISCHEMIC PRECONDITIONING IMPROVE EXERCISE PERFORMANCE?
Jones, H. [United Kingdom]
17:20 IS-PM07-3
CLINICAL USE AND EFFECTS OF SINGLE VS REPEATED PRECONDITIONING
Thijssen, D. [United Kingdom]

G102 IS-BN04

Inside the Moving Brain: Different Approaches to Study the Interaction of Brain and Complex Whole Body Movements
Chair(s):
Mierau, A. [Germany]
Taube, W. [Switzerland]
16:20 IS-BN04-1
THE NEUROBIOLOGY OF POSTURAL CONTROL AND BALANCE TRAINING
Taube, W. [Switzerland]
16:50 IS-BN04-2
THE CORTICAL CONTROL OF HUMAN GAIT AND ITS IMPLICATIONS FOR GAIT REHABILITATION
Knaepen, K. et al [Belgium]
17:20 IS-BN04-3
NEUROPHYSIOLOGICAL CHARACTERISTICS OF SPORT-RELATED SENSORIMOTOR PERFORMANCE
Mierau, A. [Germany]
Thursday, July 3rd, 2014

16:20 - 17:50

**G103 OP-PM13**

**Muscle Damage & Regeneration**

Chair(s):
Greenhaff, P. [United Kingdom]
Yucesoy, C. [Turkey]

16:20 OP-PM13-1
EXERCISE TRAINING RESCUES DELAYED MUSCLE REGENERATION IN AGED MICE
Joanisse, S. et al [Canada]

16:35 OP-PM13-2
MUSCLE ENERGETICS ALTERATIONS RESULTING FROM ISOMETRIC NEUROMUSCULAR ELECTRICAL STIMULATION OF KNEE EXTENSORS MUSCLES: A QUANTITATIVE 31P-MRS STUDY.
Fouré, A. et al [France]

16:50 OP-PM13-3
SHORT- AND LONG-TERM EFFECTS OF ENDURANCE EXERCISE ON TELOMERE LENGTH AND TELOMERE REGULATORY FACTORS IN HUMAN SKELETAL MUSCLE
Ponsot, E. et al [Sweden]

17:05 OP-PM13-4
COMPARISON BETWEEN INITIAL AND SECOND MAXIMAL KNEE EXTENSOR ECCENTRIC EXERCISE FOR MUSCLE DAMAGE, INSULIN SENSITIVITY AND Lipid PROFILE OF YOUNG VERSUS OLD MEN
Chen, T.C. et al [Taiwan]

17:20 OP-PM13-5
ONE SESSION OF WHOLE-BODY CRYOTHERAPY <-110 °C> IMPROVES RECOVERY FROM EXERCISE-INDUCED MUSCLE DAMAGE
Vieira, A. et al [Brazil]

17:35 OP-PM13-6
EFFECTS OF ACUPUNCTURE ON SYMPTOMS AND MUSCLE FUNCTION IN DELAYED-ONSET MUSCLE SORENESS
Auerbach, K. et al [Germany]

**G104 IS-SH03**

**New perspectives with respect to the route of expertise**

Chair(s):
Mann, D. [Netherlands]
Renshaw, I. [Australia]

16:20 IS-SH03-1
TALENT IDENTIFICATION AND TALENT DEVELOPMENT FROM A SIMPLE HEURISTIC PERSPECTIVE
Raub, M. et al [Germany]

16:50 IS-SH03-2
ENHANCING SKILL ACQUISITION AND EXPERTISE IN SPORT: AN ECOLOGICAL DYNAMICS RATIONALE
Davids, K. [United Kingdom]

17:05 IS-SH03-3
THE EXPRESSION OF VICTORY AND LOSS: ESTIMATING WHO’S LEADING OR TRAILING FROM NONVERBAL CUES IN SPORTS.
Furley, P. et al [Germany]

17:20 IS-SH03-4
COACHES’ VERBAL REACTIONS AND PHYSIOLOGICAL RESPONSES TO CRITICAL GAME INCIDENTS
Knight, C.J. et al [United Kingdom]

17:35 IS-SH03-5
TIME COURSE EFFECT OF BLOOD FLOW RESTRICTION STRENGTH TRAINING AND DETRAINING ON HAEMODYNAMICS, STRENGTH, AND MUSCLE THICKNESS
Brandner, C. et al [Australia]

**G105 OP-SH04**

**Exercise & Training Effects**

Chair(s):
Bishop, D. [Australia]

16:20 OP-SH04-1
DO OBESE CHILDREN ACHIEVE MAXIMAL HEART RATE DURING TREADMILL RUNNING?
Terblanche, E. et al [South Africa]

16:35 OP-SH04-2
THE MAXIMAL VOLUNTARY ACTIVATION LEVEL OF THE PLANTAR FLEXOR MUSCLES ADAPTS POSITIVELY TO MECHANICAL OVERLOAD IN OBESE ADOLESCENT GIRLS
Martin, V. et al [France]

16:50 OP-SH04-3
DIFFERENCES IN KNEE EXTENSOR MUSCLES FATIGABILITY BETWEEN LEAN AND OBESE ADOLESCENT GIRLS DURING REPEATED MAXIMAL CONTRACTIONS
Garcia, S. et al [France]

17:05 OP-SH04-4
BODIPY REVEALS GREATER COLOCALISATION OF PERILIPIN 2 AND LIPID DROPLETS COMPARED TO OIL RED O.
Clark, J.A. et al [United Kingdom]

17:20 OP-SH04-5
THE TRAINING AND DETRAINING EFFECTS OF HIGH INTENSITY INTERVAL TRAINING IN YOUNG OVERWEIGHT/OBESE WOMEN
Terblanche, E. et al [South Africa]

17:35 OP-SH04-6
THE INFLUENCE OF PHYSICAL ACTIVITY AND SEDENTARY BEHAVIOURS ON BODY MASS INDEX FROM CHILDHOOD TO ADOLESCENCE
Addolorato, S. et al [Italy]
## Oral & Invited Presentations

### Auditorium OP-PM16

#### Healthy Ageing
- **Chair(s):** Boreham, C. [Ireland] Stathi, A. [United Kingdom]
- **Time:** 18:00 **OP-PM16-1**
  - A STUDY OF SEDENTARY BEHAVIOR IN THE OLDER FINNISH TWIN COHORT – A CROSS SECTIONAL ANALYSIS
  - Piirtola, M. et al. [Finland]

- **Time:** 18:15 **OP-PM16-2**
  - EFFECT OF IMMobilIZATION AND TRAINING ON INTRamuscular Glycogen and Triglyceride Storage and Metabolism in Young and Elderly
  - Vigelsoe, A. et al. [Denmark]

### Forum OP-BN05

#### Balance & Training
- **Chair(s):** van Dieën, J. [Netherlands] Ritzmann, R. [Germany]
- **Time:** 18:00 **OP-BN05-1**
  - STATIC BALANCE, HAND GRIP STRENGTH, AND FLEXIBILITY IN OLDER ADULTS, ARE THERE ANY SEX DIFFERENCES?
  - Lahne Seiler, H. et al. [Norway]

- **Time:** 18:15 **OP-BN05-2**
  - NORDIC WALKING TRAINING IN CANCER PATIENTS: SELF-PACING AND EXERCISE INTENSITY
  - Schmidt, K. et al. [Germany]

### Emerald OP-PM17

#### Cancer & Exercise
- **Chair(s):** Eckert, K. [Germany] Wackerhage, H. [United Kingdom]
- **Time:** 18:00 **OP-PM17-1**
  - EFFECT OF CAFFEINE ON EXERCISE CAPACITY, FATIGUE AND FUNCTIONAL PERFORMANCE IN PROSTATE CANCER SURVIVORS
  - Skinner, T.L. et al. [Australia]

- **Time:** 18:30 **OP-PM17-2**
  - MAXIMAL AND SUBMAXIMAL CARDIORESPIRATORY AND METABOLIC PERFORMANCE MONITORING IN BREAST CANCER PATIENTS
  - Bernardi, A. et al. [Germany]

### G102 OP-BN06

#### Sleep & Motor Performance
- **Chair(s):** Mierau, A. [Germany]
- **Time:** 18:00 **OP-BN06-1**
  - SLEEP RELATED IMPROVEMENTS IN MOTOR TASKS: COMPARING FINGER VS. HAND TAPPING
  - Erlacher, D. et al. [Switzerland]

- **Time:** 18:30 **OP-BN06-2**
  - SLEEP AND GROSS-MOTOR SEQUENCE PRODUCTION
  - Blischke, K. et al. [Germany]

- **Time:** 19:00 **OP-BN06-5**
  - THE EFFECT OF COMPETITION ON THE SLEEP PATTERNS OF ELITE RUGBY UNION PLAYERS
  - Shearer, D.A. et al. [United Kingdom]

### E102 OP-PM18

#### Time-trial Performance
- **Chair(s):** Havenith, G. [United Kingdom] Racinais, S. [Qatar]
- **Time:** 18:00 **OP-PM18-1**
  - ON THE NECESSITY OF PERFORMANCE-FEEDBACK IN THE REGULATION OF EXERCISE INTENSITY
  - Smits, B.L.M. et al. [Netherlands]

- **Time:** 18:30 **OP-PM18-3**
  - THE COMBINED EFFECT OF HEAT STRESS AND HYPOHYDRATION ON PACING PATTERN DURING A 40-KM CYCLING TIME TRIAL
  - Levels, K. et al. [Netherlands]

### G102 OP-BN06

#### Sleep & Motor Performance
- **Chair(s):** Mierau, A. [Germany]
- **Time:** 18:00 **OP-BN06-1**
  - SLEEP RELATED IMPROVEMENTS IN MOTOR TASKS: COMPARING FINGER VS. HAND TAPPING
  - Erlacher, D. et al. [Switzerland]

- **Time:** 18:30 **OP-BN06-2**
  - SLEEP AND GROSS-MOTOR SEQUENCE PRODUCTION
  - Blischke, K. et al. [Germany]

- **Time:** 19:00 **OP-BN06-5**
  - THE EFFECT OF COMPETITION ON THE SLEEP PATTERNS OF ELITE RUGBY UNION PLAYERS
  - Shearer, D.A. et al. [United Kingdom]

- **Time:** 19:15 **OP-BN06-6**
  - SLEEP-RELATED CONSOLIDATION OF CEREBELLAR-DEPENDENT MOTOR LEARNING
  - Onuki, Y. [Netherlands]
Exercise with Blood Flow Restrictions
Chair(s):
Frisbee, J. [United States]
Miyachi, M. [Japan]

18:00 OP-PM19-1
BLOOD FLOW-RESTRICTED VIBRATION EXERCISE INCREASES SATELLITE CELL NUMBERS IN YOUNG MEN
Toigo, M. et al [Switzerland]

18:15 OP-PH02-2
HYPERTROPHY SIGNALING, MUSCLE GROWTH AND INCREASES IN STRENGTH AFTER BLOOD FLOW RESTRICTED RESISTANCE EXERCISE
Bjørnsen, T. et al [Norway]

18:30 OP-PM19-3
IMPACT OF ISCHEMIC PRECONDITIONING ON SYMPATHETIC VASCULAR CONSTRUCTION AT REST AND DURING EXERCISE IN HUMANS
Horuchi, M. et al [Japan]

18:45 OP-PM19-4
EXERCISE AT HIGH ALTITUDE IS ASSOCIATED WITH HIGHER DEGREE OF SLEEP DISORDERS DUE TO HYPOXIA
Fernandez Tellez, H. et al [Belgium]

19:00 OP-PM19-5
EFFECTS OF RUNNING EXERCISE COMBINED WITH BLOOD FLOW RESTRICTION ON PHYSICAL RESPONSE AND MUSCULAR FITNESS IN ATHLETES
Yun Tsung, C. [Taiwan]

19:15 OP-PM19-6
MAINTAINING A GOOD VENTILATORY EFFICIENCY IN THE TRANSITION BETWEEN NORMOXIA <2>> AND HYPOXIA <1>> AT REST PREDICTS A BETTER OXYGENATION <SAO2>> DURING EXERCISE IN HYPOXIA
Papi Renzetti, G. et al [Italy]

Sociology & Gender
Chair(s):
Kolbe-Alexander, T. [Australia]
Hedenborg, S. [Sweden]

18:00 OP-SH02-1
THE NATIONAL PROJECT FOR WOMEN AND SPORT - BARRIERS TO ACCESS FOR WOMEN TO DECISION-MAKING POSITIONS IN ISRAELI SPORT
Betzer Tayar, M. [Israel]

18:15 OP-SH02-2
USING THE STRENGTH BASED APPROACH IN THE DESERT: EXPLORING POSSIBILITIES FOR YOUNG QATARI WOMEN'S PARTICIPATION IN PHYSICAL ACTIVITY
Knez, K. et al [Qatar]

18:30 OP-SH02-3
THE IMPACT OF AGE AND GENDER ON THE SELF-IDENTITY AND ATHLETIC IDENTITY OF ELITE ATHLETES
Martin, L.A. et al [Australia]

18:45 OP-SH02-4
COMPARISON OF SPORTS ASPECTS OF WOMEN AND MEN UNDER CONSIDERATION OF PERSONALITY TRAITS
Semmler Ludwig, R. et al [Germany]

19:00 OP-SH02-5
COMPARISON OF ARM, UPPER BODY AND WHOLE BODY DOUBLE POLING IN FEMALE AND MALE CROSS-COUNTRY SKIERS
Hegge, A. et al [Norway]

19:15 OP-SH02-6
RELATIVE AGE EFFECT IN YOUNG BASKETBALL PLAYERS OF DIFFERENT COMPETITIVE LEVELS: ANTHROPOMETRICAL AND PHYSIOLOGICAL BASIS
Irazusta, J. et al [Spain]

19:00 OP-PM20-1
EFFECTS OF A SIX-MONTH INTRADIALYTIC PHYSICAL ACTIVITY PROGRAM AND ADEQUATE NUTRITIONAL SUPPORT ON PROTEIN-ENERGY WASTING, PHYSICAL FUNCTIONING AND QUALITY OF LIFE IN CHRONIC HEMODIALYSIS PATIENTS
Mignard, J. et al [France]

18:00 OP-PM20-2
HAPTIC FEEDBACK IMPROVES STATIC BALANCE IN INDIVIDUALS WITH MILD TO MODERATE PARKINSON'S DISEASE
Porcelli, S. et al [Italy]

18:15 OP-PM20-3
HAPIFECTIVE FEEDBACK IMPROVES STATIC BALANCE IN INDIVIDUALS WITH MILD TO MODERATE PARKINSON'S DISEASE
Porcelli, S. et al [Italy]

18:30 OP-PM20-4
SELECTIVITY OF CERVICAL MOVEMENT BEHAVIOUR TO DISTINGUISH IDIOPATHIC NECK PAIN PATIENTS FROM ASYMPTOMATIC SUBJECTS
Niederer, D. et al [Germany]

18:45 OP-PM20-5
THE EFFECTS OF RADIAL EXTRACORPOREAL SHOCK WAVE THERAPY AND EXERCISE ON PAIN AND FUNCTIONALITY IN PATIENTS WITH LATERAL EPICONDYLALGIA
YURUK, Z.O. et al [Turkey]

19:00 OP-PM20-6
EXERCISE INDUCED INSPIRATORY STRIDOR <EIIS> IN TOP ATHLETES
Clemm, H. et al [Norway]

Teamsport Basketball & Volleyball
Chair(s):
Vandelandwijk, Y. [Belgium]
Wagner, H. [Austria]

18:00 OP-PM21-1
LOWER LIMB INJURIES IN THE NZ ARMY OVER 8 YEARS
Lark, S. et al [New Zealand]

18:15 OP-PM21-2
INJURIES AND ILLNESSES DURING THE EUROPEAN YOUTH OLYMPIC FESTIVAL <EYOF>> 2013
Van Beijsterveldt, A. et al [Netherlands]

18:30 OP-PM21-3
ANGLE INJURIES IN THE NETHERLANDS: LONG-TERM TRENDS OF 10-25 YEARS
Kemler, H.J. et al [Netherlands]

18:45 OP-PM21-4
THE EPIDEMIOLOGY OF BOXING INJURIES PRESENTING TO IRI SPORT MEDICINE FEDERATION INJURY SURVEILLANCE SYSTEM
Pourkazemi, L. et al [Iran]

19:00 OP-PM21-5
A SUBMAXIMAL ROWING TEST TO MONITOR TRAINING STATUS IN FIRST-YEAR COMPETITIVE ROWERS
Hofmijster, M.J. et al [Netherlands]
<table>
<thead>
<tr>
<th>Oral &amp; Invited Presentations</th>
</tr>
</thead>
</table>

**Auditorium OP-PM22**

**Critical Power**
- Chair(s): Zemkova, E. [Slovakia]
- 08:30 - NON-DISCLOSED DURATION CONSTANT POWER TEST TO ESTIMATE ANAEROBIC WORK CAPACITY AND CRITICAL POWER
  - Tsai, M. [Canada]

**Running Research**
- Chair(s): Zamparo, P. [Italy]
- Gehring, D. [Germany]
- 08:30 - IV IRON SUPPLEMENTATION REDUCES PERCEIVED FATIGUE IN DISTANCE RUNNERS
  - Thompson, K.G. et al [Australia]
- 08:45 - PHYSIOLOGICAL CORRELATES OF COMPETITIVE PERFORMANCE IN PORTUGUESE ELITE MIDDLE DISTANCE RUNNERS
  - Reis, J. et al [Portugal]

**Emerald**
- Chair(s): Kawakami, Y. [Japan]
- 08:30 - IMPACT OF ADRB3 SNP ON ABDOMINAL FAT IN OVERWEIGHT AND OBESE WOMEN
  - Szendrei, B. et al [Spain]
- 08:45 - DOES SERUM IL-6 CONCENTRATION EXPLAIN THE RELATIONSHIPS BETWEEN ADIPOSYTIE AND MUSCLE SIZE AND STRENGTH IN YOUNG AND OLDER ADULTS?
  - Erskine, R.M. et al [United Kingdom]

**OP-BN08**
- Chair(s):
- 09:00 - THE DISTANCE-TIME RELATIONSHIP AND OXYGEN UPTAKE KINETICS IN SWIMMING
  - Almeida, T. et al [Portugal]
- 09:15 - MANIFESTATION OF A PLATEAU RESPONSE IN VO2 MAXIMUM IN YOUNG AND ELDERLY ADULTS
  - Terasaki, N. et al [Japan]
- 09:30 - LACTATE PRO VS LACTATE PRO2: A COMPARISON OF LOWER LIMB MOTION DURING RUNNING USING SYMMETRY ANALYSIS
  - Langley, B. et al [United Kingdom]

**OP-PM23**
- Chair(s): Wardenaar, F. [Netherlands]
- 08:30 - EFFECTS OF TWO DIFFERENT TYPES OF EXERCISE ON CIRCULATING IRON LEVEL IN OBESI ET ADULTS
  - Song, W. et al [Korea, South]
- 09:00 - ENHANCING ENDURANCE PERFORMANCE BY NUTRITIONAL MANIPULATION: A SLEEP LOW-STRATEGY
  - Marquet, L.A. et al [France]
- 09:15 - EXERCISE TRAINING COMBINED TO WELL-BALANCED DIET INCREASES NRG1 CLEAVAGE AND ADAM17 EXPRESSION IN SKELETAL MUSCLE OF OBESE RATS
  - Kluka, V. et al [France]
- 09:30 - AMINOACIDEMIA AFTER INGESTION OF EQUAL AMOUNTS OF PROTEIN FROM FOUR DIFFERENT WHEY PROTEINS AND MILK
  - Roostad, T. et al [Norway]

**E102**
- Chair(s):
- 08:30 - MODULATION OF MOTOR UNIT ACTIVITY IN RESPONSE TO NEUROMUSCULAR ELECTRICAL STIMULATION APPLIED TO THE CONTRALATERAL ARM
  - Amiridis, I. et al [Greece]
- 08:45 - EFFECT OF WHEY PROTEIN HYDROLYSATE ON ADAPTATION TO ENDURANCE TRAINING IN WELL-TRAINED RUNNERS
  - Sondergaard Thomsen, L. et al [Denmark]
- 09:00 - TIMING OF MUSCLE ACTIVATION DURING DOUBLE POLING ERGOMETER TESTING IN DIFFERENT SITTING POSITIONS– PILOT TEST FOR DISABLED SIT SKIERS
  - Rapp, W. et al [Finland]
- 09:15 - CHILD-ADULT DIFFERENCES IN SPECIFIC STRENGTH ARE ATTRIBUTED TO VOLUNTARY ACTIVATION LEVEL ONLY AT LONG MUSCLE LENGTH
  - Kluka, V. et al [France]
- 09:30 - ACUTE UPPER BODY COMPLEX TRAINING WITH ACCOMMODATING RESISTANCE IN COLLEGIATE MALE WRESTLERS
  - Jones, M.T. et al [United States]

**OP-PM24**
- Chair(s):
- 08:30 - EFFECT OF BOVINE COLOSTRUM SUPPLEMENTATION ON ADAPTATION TO ENDURANCE TRAINING IN WELL-TRAINED RUNNERS
  - March, D.S. et al [United Kingdom]
- 08:45 - PHYSIOLOGICAL CORRELATES OF COMPETITIVE PERFORMANCE IN PORTUGUESE ELITE MIDDLE DISTANCE RUNNERS
  - Reis, J. et al [Portugal]
- 09:00 - ENHANCING ENDURANCE PERFORMANCE BY NUTRITIONAL MANIPULATION: A SLEEP LOW-STRATEGY
  - Marquet, L.A. et al [France]
- 09:15 - EXPERIMENTAL INVESTIGATION OF THE EFFECTS OF A COMBINED TRAINING PROGRAM ON THE ABILITY OF ACOUSTIC LOOP PROTESTORS TO ADAPT TO A VARIOUS SITTING POSITIONs– PILOT TEST FOR DISABLED SIT SKIERS
  - Rapp, W. et al [Finland]
- 09:30 - CHILD-ADULT DIFFERENCES IN SPECIFIC STRENGTH ARE ATTRIBUTED TO VOLUNTARY ACTIVATION LEVEL ONLY AT LONG MUSCLE LENGTH
  - Kluka, V. et al [France]

**OP-BN09**
- Chair(s):
- 08:30 - DIFFERENT NUMBER OF MUSCLE SYNERGIES DURING TREADMILL WALKING BETWEEN YOUNG AND ELDERLY ADULTS
  - Kabush, B. et al [Japan]
- 08:45 - THE DISTANCE-TIME RELATIONSHIP AND OXYGEN UPTAKE KINETICS IN SWIMMING
  - Kibushi, B. et al [Japan]
- 09:00 - EFFECTS OF TWO DIFFERENT TYPES OF EXERCISE ON CIRCULATING IRON LEVEL IN OBESI ET ADULTS
  - Song, W. et al [Korea, South]
- 09:15 - ENHANCING ENDURANCE PERFORMANCE BY NUTRITIONAL MANIPULATION: A SLEEP LOW-STRATEGY
  - Marquet, L.A. et al [France]
- 09:30 - AMINOACIDEMIA AFTER INGESTION OF EQUAL AMOUNTS OF PROTEIN FROM FOUR DIFFERENT WHEY PROTEINS AND MILK
  - Roostad, T. et al [Norway]

**Invited & Oral**

28

19th Annual Congress of the European College of Sport Science
G103 OP-PM25
Molecular Training Responses
Chair(s):
Harridge, S. [United Kingdom]
Kadi, F. [Sweden]

08:30 OP-PM25-1
TRAINING-INDUCED TENASCIN-C EXPRESSION REGULATES CAPILLARY GROWTH
Valdivieso, P. et al [Switzerland]

08:45 OP-PM25-2
SKELETAL MUSCLE SIGNALING DURING SPRINT EXERCISE IN SEVERE ACUTE HYPOXIA: ROLE OF FREE RADICALS
Morales Álamo, D. et al [Spain]

09:00 OP-PM25-3
THE EFFECT OF ACUTE ENDURANCE EXERCISE FOLLOWED BY STRENGTH EXERCISE ON MOLECULAR RESPONSE IN HUMAN SKELETAL MUSCLE
Popov, D.V. et al [Russia]

09:15 OP-PM25-4
PURINERGIC RECEPTORS P2X7, P2Y2 AND P2Y6 ARE INHIBITED BY AEROBIC EXERCISE TRAINING IN EXPERIMENTAL ALLERGIC LUNG INFLAMMATION
Greiffo, F.R. et al [Brazil]

09:30 OP-PM25-5
NEITHER LOW INTENSITY NOR HIGH INTENSITY SWIM TRAINING AFFECTS ADAPTIVE IMMUNE FUNCTION IN YOUNG ADULT HEALTHY MICE
Horstman, A. et al [Netherlands]

09:45 OP-PM25-6
EXPRESSION ANALYSIS OF MECHANOSENSITIVE GROWTH FACTORS IN DUCHENNE MUSCULAR DYSTROPHY MOUSE MODELS
Hoogaars, W.M. et al [Netherlands]

G104 OP-SH06
Sports Management
Chair(s):
Breedveld, K. [Netherlands]

08:30 OP-SH06-1
FACTORS INFLUENCING MEMBERSHIP SATISFACTION AND MEMBERSHIP RETENTION OF THE EUROPEAN COLLEGE OF SPORT SCIENCE <ECSS>
Hokkonen, T. [Finland]

08:45 OP-SH06-2
POST RETIREMENT EXPERIENCES OF FORMER SWEDISH ELITE ATHLETES
Straalman, O. et al [Sweden]

09:00 OP-SH06-3
ECONOMIC EVALUATION OF A PHYSICAL ACTIVITY INTERVENTION USING ACTIVITY TRAILS
Schöner, M. et al [Germany]

09:15 OP-SH06-4
FURTHER PARAMETERS OF THE PROFESSIONAL RUGBY LEAGUE SPRINT IN STOP/START PERFORMANCE TESTING
Reilly, T. et al [Ireland]

09:30 OP-SH06-5
PHYSIOLOGICAL, PSYCHOLOGICAL AND PERCEPTUAL RESPONSES TO AN 8-HOUR SINGULAR EXHILARATING TRAINING SESSION IN ELITE ATHLETES
Koschate, J. et al [Germany]

09:45 OP-SH06-6
MAXIMAL ENERGY EXPENDITURE DURING A 30-MINUTE BIKE-TRAINING SESSION: A COMPARISON OF TRAINED AND NON-TRAINED CYCLISTS
Tiller, N.B. et al [United Kingdom]

G105 OP-PM26
Respiratory Physiology
Chair(s):
Sandbakk, Ø. [Norway]
McNarry, M. [United Kingdom]

08:30 OP-PM26-1
KINEMATIC PARAMETERS AND OXYGEN UPTAKE KINETICS DURING SUB-MAXIMAL EXERCISE IN SWIMMING
Espada, M. et al [Portugal]

08:45 OP-PM26-2
A PROSPECTIVE PROCEDURE TO ASSEMBLE MORE O2 UPTAKE RESPONSES AT EXERCISE ONSET
Francescato, M.P. et al [Italy]

09:00 OP-PM26-3
RELATIONSHIP BETWEEN VO2PEAK AND CARDIORESPIRATORY KINETICS IN GROUPS OF DIFFERENT EXERCISE CAPACITY
Koschate, J. et al [Germany]

09:15 OP-PM26-4
PHYSIOLOGICAL ACUTE EFFECTS OF CONSTANT VERSUS INTERMITTENT CYCLE ISO-WORKLOAD EXERCISE BELOW VENTILATORY THRESHOLD
Abrantes, C. et al [Portugal]

09:30 OP-PM26-5
A RANGE FOR THE "REAL" VALUE OF INTERNAL MECHANICAL POWER IN CYCLING
Giorgi, H. et al [Hong Kong]

09:45 OP-PM26-6
MAXIMAL CARDIORESPIRATORY RESPONSES IN EXHAUSTIVE TANDEM-BICYCLE ERGOMETER EXERCISE -COMPARISON OF THE SUBJECTS WITH THE DIFFERENT PEAK OXYGEN UPTAKE-ONODERA, S. et al [Japan]

G106 OP-PM27
Spinal Cord Injury & (handcycle) Exercise
Chair(s):
Houdijk, H. [Netherlands]

08:30 OP-PM27-1
PEAK OXYGEN UPTAKE EVALUATION IN WHEELCHAIR BASKETBALL PLAYERS: CONTINUOUS OR INTERMITTENT PROGRESSIVE FIELD TEST?
Leprière, P.M. et al [France]

08:45 OP-PM27-2
THE EFFECTS OF HYBRID CYCLE VERSUS HANDCYCLE EXERCISE ON METABOLIC SYNDROME, INFLAMMATION AND VISCERAL ADIPOSITY IN PEOPLE WITH SPINAL CORD INJURY
Bakkum, A. [Netherlands]

09:00 OP-PM27-3
PHYSICAL CAPACITY OF PERSONS WITH A SPINAL CORD INJURY FOR AT LEAST 10 YEARS
de Groot, S. et al [Netherlands]

09:15 OP-PM27-4
LEARNING WITH A LEVER-PROPELLED WHEELCHAIR: THE EFFECT OF THREE WEEKS OF PRACTICE ON EFFICIENCY AND TECHNIQUE
Jaspers, E.G. et al [Netherlands]

09:30 OP-PM27-5
TRAINING FOR A HANDCYCLING MOUNTAIN TIME TRIAL; PILOT STUDY ON THE BENEFITS FOR FITNESS IN PERSONS WITH SPINAL CORD INJURY
Valent, L. et al [Netherlands]

09:45 OP-PM27-6
FAT CONTRIBUTION OF EXERCISE ENERGY EXPENDITURE IN PARALYMPIC ATHLETES WITH LOCOMOTOR IMPAIRMENTS
Bernardi, M. et al [Italy]

G107 OP-PM28
Endurance & Performance
Chair(s):
Hettinga, F. [United Kingdom]
Tucker, R. [South Africa]

08:30 OP-PM28-1
BRAIN TRAINING IMPROVES ENDURANCE PERFORMANCE
Marcara, S.M. et al [United Kingdom]

08:45 OP-PM28-2
EFFECTS OF LIGHT DEPRIVATION IN PERFORMANCE AND PSYCHOPHYSIOLOGICAL RESPONSES IN OPEN-LOOP EXERCISE
Pires, F.O. et al [Brazil]

09:00 OP-PM28-3
CONSECUTIVE DAYS OF PROLONGED TENNIS MATCHPLAY AFFECT PHYSIOLOGICAL, PERFORMANCE, AND PERCEPTUAL RESPONSES
Geczy, D.T. et al [Australia]

09:15 OP-PM28-4
PROFESSIONAL ROAD CYCLING SPRINTS: QUANTIFYING THE DEMANDS OF THE FINAL HOUR
Menaspo, P. et al [Australia]

09:30 OP-PM28-5
REGULAR MODERATE OR INTENSE EXERCISE PREVENTS DEPRESSION-LIKE BEHAVIOR WITHOUT CHANGE OF HIPPOCAMPAL TRYPTOPHAN CONTENT IN CHRONICALLY TRYPTOPHAN-DEFICIENT AND STRESSED MICE
Mikami, T. et al [Japan]

09:45 OP-PM28-6
EFFECT OF CADENCE AND WORKLOAD ON RESPIRATORY MECHANICS DURING ARM-CRANK EXERCISE
Tiller, N.B. et al [United Kingdom]
<table>
<thead>
<tr>
<th>Auditorium</th>
<th>IS-PM10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concurrent training for peak power and endurance - sponsored by IOC Solidarity Fund</td>
<td></td>
</tr>
<tr>
<td>Chair(s):</td>
<td>Jaspers, R. [Netherlands]</td>
</tr>
<tr>
<td>10:20 IS-PM10-1</td>
<td>MUSCLE GROWTH/STRENGTH VERSUS ENDURANCE SIGNAL TRANSDUCTION PATHWAYS AND THEIR INTERACTION</td>
</tr>
<tr>
<td>10:50 IS-PM10-2</td>
<td>MYOCYTE SIZE AND POWER: METABOLIC CONSTRAINTS</td>
</tr>
<tr>
<td>11:20 IS-PM10-3</td>
<td>CONCURRENT STRENGTH AND ENDURANCE TRAINING: CONCEPTS AND PRACTICAL APPLICATION IN ELITE SPORTS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Forum</th>
<th>IS-BN06</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core stability: What is it, does it matter, how can it be assessed?</td>
<td></td>
</tr>
<tr>
<td>Chair(s):</td>
<td>van Dieën, J. [Netherlands]</td>
</tr>
<tr>
<td>10:20 IS-BN06-1 CORE STABILITY: WHAT IS IT?</td>
<td>Verhagen, E. [Netherlands]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emerald</th>
<th>IS-PM05</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exercise in cancer patients - study approaches and results from 3 European countries - sponsored by IOC Solidarity Fund</td>
<td></td>
</tr>
<tr>
<td>Chair(s):</td>
<td>Wiskemann, J. [Germany]</td>
</tr>
<tr>
<td>10:20 IS-PM05-1 EXERCISE IN BREAST CANCER PATIENTS DURING THERAPY IN GERMANY: RESULTS FROM TWO PROSPECTIVE, RANDOMIZED EXERCISE INTERVENTION TRIALS «BEST AND BEATE»</td>
<td>May, A. [Netherlands]</td>
</tr>
<tr>
<td>10:50 IS-PM05-2 EXERCISE DURING AND AFTER CANCER TREATMENT: RESULTS, EXPERIENCES AND METHODOLOGICAL CONSIDERATIONS FROM THE PACT AND A-CARE STUDY</td>
<td>Steindorf, K. et al [Germany]</td>
</tr>
<tr>
<td>11:20 IS-PM05-3 TITLE: EXERCISE AS A STRATEGY FOR REHABILITATION IN ADVANCED STAGE LUNG CANCER PATIENTS UNDERGOING CHEMOTHERAPY IN DENMARK: RESULTS FROM A PROSPECTIVE RANDOMIZED EXERCISE INTERVENTION TRIAL «EXHALE»</td>
<td>Quist, M. [Denmark]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E102</th>
<th>IS-PM13</th>
</tr>
</thead>
<tbody>
<tr>
<td>JSPFSM-ECSS Exchange lecture: Physical Activity Guidelines: Japan and Europe by the example of the Netherlands - sponsored by IOC Solidarity Fund</td>
<td></td>
</tr>
<tr>
<td>Chair(s):</td>
<td>Nagatomi, R. [Japan]</td>
</tr>
<tr>
<td>10:20 IS-PM13-1 EVIDENCE-BASED PHYSICAL ACTIVITY GUIDELINES FOR JAPANESE: A SYSTEMATIC REVIEW AND META-ANALYSIS</td>
<td>van der Beek, A. [Netherlands]</td>
</tr>
<tr>
<td>10:50 IS-PM13-2 NATIONAL POLICY ON SPORTS AND PHYSICAL ACTIVITY (PA) IN THE NETHERLANDS</td>
<td>Motohiko, M. [Japan]</td>
</tr>
<tr>
<td>11:20 IS-PM13-3 TACTICAL PERFORMANCE IN SMALL-SIDED SOCCER GAMES</td>
<td>Buffart, L.M. et al [Netherlands]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>G102</th>
<th>IS-BN07</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physiological characteristics of small-sided games</td>
<td></td>
</tr>
<tr>
<td>Chair(s):</td>
<td>Lemmin, K. [Netherlands]</td>
</tr>
<tr>
<td>10:20 IS-BN07-1 THE PHYSIOLOGICAL CHARACTERISTICS OF SMALL-SIDED GAMES IN SOCCER</td>
<td>Frencken, W. [Netherlands]</td>
</tr>
<tr>
<td>10:50 IS-BN07-2 TACTICAL PERFORMANCE IN SMALL-SIDED SOCCER GAMES</td>
<td>Rampinini, E. et al [Italy]</td>
</tr>
<tr>
<td>11:20 IS-BN07-3 TACTICAL REPRESENTATIVENESS OF SMALL-SIDED GAMES FOR FULL-SIZED MATCHES</td>
<td>Sampaio, J. et al [Portugal]</td>
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<tr>
<td>Time</td>
<td>Session</td>
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<td>10:50</td>
<td>G105 IS-SH06</td>
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</tbody>
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Friday, July 4th, 2014
Oral & Invited Presentations

Auditorium IS-PM11
The Future of Sports Nutrition sponsored by GSSI
Chairs:
Jeukendrup, A. [United Kingdom]
Wardenaar, F. [Netherlands]
16:20 IS-PM11-1
THE FUTURE OF SPORTS NUTRITION
Jeukendrup, A. [United Kingdom]
16:50 IS-PM11-2
TECHNOLOGY AND SPORTS NUTRITION
Close, G. [United Kingdom]
17:20 IS-PM11-3
SPORTS NUTRITION SUPPLEMENT AND THE FUTURE
Maughan, R. [United Kingdom]

Forum IS-BN08
Developmental changes of neuromuscular control and muscle-tendon mechanics in children: Implications for muscular force production and movement performance
Chairs:
vane Dieën, J. [Netherlands]
Korff, T. [United Kingdom]
16:20 IS-BN08-1
DEVELOPMENTAL CHANGES OF NEUROMUSCULAR CONTROL AND MUSCLE-TENDON MECHANICS IN CHILDREN: IMPLICATIONS FOR MUSCULAR FORCE PRODUCTION AND MOVEMENT PERFORMANCE
Korff, T. [United Kingdom]
16:50 IS-BN08-2
DEVELOPMENTAL CHANGES IN STRUCTURAL AND FUNCTIONAL CHARACTERISTICS OF THE MUSCULOSKELETAL SYSTEM
Baltzopoulos, V. et al [United Kingdom]
17:20 IS-BN08-3
DEVELOPMENTAL CHANGES IN MUSCLE-TENDON MECHANICAL PROPERTIES AND THEIR IMPACT ON MUSCULAR FORCE PRODUCTION
Waugh, C.M. [United Kingdom]
17:50 IS-BN08-4
THE INTEGRATION OF MUSCLE-TENDON CHARACTERISTICS AND NEURAL CONTROL DURING MULTI-JOINT, REBOUNDING EXERCISE IN CHILDREN
Blazevich, T. et al [United Kingdom]

Emerald IS-SH08
Applying the Exercise Science Model to the Prevention of Chronic Disease sponsored by: The Coca Cola Company
Chairs:
Blair, S. [United States]
vane Mechelein, W. [Netherlands]
16:20 IS-SH08-1
PHYSICAL INACTIVITY: THE BIGGEST PUBLIC HEALTH PROBLEM OF THE 21ST CENTURY
Blair, S. [United States]
16:50 IS-SH08-2
THE CHALLENGE OF IMPLEMENTING PHYSICAL ACTIVITY INTO THE HEALTH CARE SYSTEM
Borjesson, M. [Sweden]
17:20 IS-SH08-3
IMPLEMENTING PHYSICAL ACTIVITY PROGRAMS IN REAL LIFE - WHAT IS THE ROLE FOR ECSS MEMBERS AS INDIVIDUALS AND AS HEALTH PROFESSIONALS?
Khan, K. [Qatar]

E102 IS-PM14
Interval Training revisited sponsored by IOC Solidarity Fund
Chairs:
Halle, M. [Germany]
16:20 IS-PM14-1
INTERVAL TRAINING REVISITED: INTERVAL TRAINING IN CARDIAC DISEASE
Christle, J.W. [Germany]
16:50 IS-PM14-2
INTERVAL TRAINING IN LUNG DISEASE
Gloeckl, R. [Germany]
17:20 IS-PM14-3
SYMPOSIUM ON INTERVAL TRAINING IN DISEASE POPULATIONS
Tjonna, A. [Norway]

G102 IS-BN09
Propulsion in swimming and rowing
Chairs:
vane Soest, K. [Netherlands]
Hofmijster, M. [Netherlands]
16:20 IS-BN09-1
OPTIMIZATION OF PROPULSION IN SWIMMING: HOW INTER-LIMB COORDINATION CAN CONTRIBUTE
Seifert, I. [France]
16:50 IS-BN09-2
OPTIMIZATION OF PROPULSION IN ROWING
Schaaffert, N. [Germany]
17:20 IS-BN09-3
DRAG REDUCTION IN SPORTS
Westerweel, J. [Netherlands]
Friday, July 4th, 2014

16:20 - 17:50

Training and Testing

Chair(s):
Vaslin, P. [France]

OP-PM32-1
USE OF DUAL-ENERGY X-RAY ABSORPTIOMETRY <DXA> TO EVALUATE CHANGES IN BODY COMPOSITION AND THE ASSOCIATION WITH PERFORMANCE CHANGES IN SKELETON ATHLETES
Colyer, S. et al [United Kingdom]

OP-PM32-2
EFFECT OF WHEEL SIZE ON PERFORMANCE IN ELITE CROSS-COUNTRY MOUNTAIN BIKERS
Steiner, T. et al [Switzerland]

OP-PM32-3
ACCURACY OF ENERGY EXPENDITURE ESTIMATED BY FIVE COMMERCIAL FITNESS TRACKERS
Roos, L. et al [Switzerland]

OP-PM32-4
PERFORMANCE PREDICTORS IN AGE GROUPS SWIMMING EXPLAIN ADULT SPORT SUCCESS
Alves, F. et al [Portugal]

OP-PM32-5
MONITORING ANGULAR RATE BY STANDARD INERTIAL SENSOR IN TWISTING MOVEMENTS OF MECHANICAL HUMAN BODY MODEL
Schöfer, K. et al [Germany]

OP-PM32-6
ASSESSMENT OF CARDIOMETABOLIC RESPONSE DURING HORSE RIDING
Marongiu, E. et al [Italy]

Cardiovascular Exercise Physiology 2

Chair(s):
Horiuchi, M. [Japan]

OP-PM33-1
THE HEALTHY WORKFORCE PROJECT: CARDIOVASCULAR EFFECTS OF REDUCING WORK PLACE SITTING TIME
Hopkins, N. et al [United Kingdom]

OP-PM33-2
POST-RESISTANCE EXERCISE HYMODYNAMICS IS SIMILAR IN MEDICATED AND NON-MEDICATED HYPERTENSIVE MEN: A DOUBLE-BLIND, PLACEBO-CONTROLLED CROSS-OVER STUDY
Forjaz, C.L.M. et al [Brazil]

OP-PM33-3
CIRCULATORY CONTROL DURING EXERCISE: MUSCLE PRESSOR REFLEX
Vinogradova, O.L. et al [Russia]

OP-PM33-4
HIGHER ALTERATIONS IN PWV VALUES ARE ASSOCIATED WITH HIGHER AEROBIC CAPACITY AND AGING IN YOUNG MALE SOCCER PLAYERS
Lorenz, C. et al [Austria]

OP-PM33-5
EFFECT OF CONTRACTION INTENSITY ON SYMPATHETIC OUTFLOW TO ACTIVE HUMAN SKELETAL MUSCLE
Boulton, D. et al [Australia]

OP-PM33-6
NANDROLONE ATTENUATES EXERCISE-INDUCED MITOCHONDRIAL ADAPTATION OF LARGE VESSELS
Shen, W. [China]

Exercise Therapy in children with CP & COPD

Chair(s):
vander Woude, L. [Netherlands]

OP-PM34-1
AGE AND DISEASE RELATED DIFFERENCES IN SPRINT POWER OUTPUT BETWEEN CHILDREN WITH CEREBRAL PALSY AND TYPICALLY DEVELOPING CHILDREN
Dallmeijer, A.J. et al [Netherlands]

OP-PM34-2
EFFECTIVENESS OF A LIFESTYLE PROGRAM AMONG ADOLESCENTS AND YOUNG ADULTS WITH CEREBRAL PALSY: A RANDOMIZED CONTROLLED TRIAL
van den Berg Emons, R. et al [Netherlands]

OP-PM34-3
LONGITUDINAL RELATIONSHIP BETWEEN AEROBIC CAPACITY, ANAEROBIC CAPACITY AND MUSCLE STRENGTH IN CHILDREN WITH CEREBRAL PALSY
Balemans, A.C.J. et al [Netherlands]

OP-PM34-4
INTERVAL EXERCISE IMPROVES EXERCISE TOLERANCE IN COPD PATIENTS WITH NO ALTERATIONS IN ABDOMINAL FAT DEPOSITION
Giannopoulou, I. et al [United Kingdom]

OP-PM34-5
EFFECTS OF TWO 16 WEEKS TRAINING PROGRAMS IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE <COPD>
Delussu, A.S. et al [Italy]

Team Sports

Chair(s):
Sanchez, X. [Netherlands]

OP-PM35-1
EFFECT OF SAND VERSUS GRASS TRAINING SURFACES DURING AN 8-WEEK PRE-SEASON CONDITIONING PROGRAMME IN TEAM SPORT ATHLETES
Binnie, M.J. et al [Australia]

OP-PM35-2
THE PHENOMENON OF DOPING FROM SPANISH PROFESSIONAL FOOTBALL PLAYERS’ PERSPECTIVE
Morenle Sanchez, J. et al [Spain]

OP-PM35-3
VISUAL PERFORMANCE OF ELITE HOCKEY PLAYERS – A LONGITUDINAL ANALYSIS
Oertzen Hagemann, V. et al [Germany]

OP-PM35-4
RELATING BALL FLIGHT CHARACTERISTICS, VARIABILITY IN RELEASE LOCATION AND GAME SUCCESS IN ELITE BASEBALL PITCHING
Whiteside, D. et al [United States]

OP-PM35-5
REHABILITATING THE INJURED THROWING SHOULDER: A COMPREHENSIVE EMG ANALYSIS OF ROTATIONAL SHOULDER EXERCISES
Alizadehshahiyat, O. et al [United Kingdom]

OP-PM35-6
PHYSIOLOGICAL PROFILE OF PROFESSIONAL FAST-MEDIUM BOWLERS DURING COMPETITIVE CRICKET MATCHES
Johnstone, J. et al [United Kingdom]
## Oral & Invited Presentations

### Exercise Training

<table>
<thead>
<tr>
<th>Auditorium</th>
<th>OP-PM36</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chair(s):</td>
<td>Cortis, C. [Italy]</td>
</tr>
<tr>
<td>Session 1</td>
<td>18:00 OP-PM36-1</td>
</tr>
<tr>
<td>Title</td>
<td>MAXIMAL STRENGTH IN UPPER-BODY SEGMENTS AS PREDICTORS OF DOUBLE POLING PERFORMANCE IN FEMALE CROSS-COUNTRY SKIERS</td>
</tr>
<tr>
<td>Authors</td>
<td>Østerås, S. et al [Norway]</td>
</tr>
<tr>
<td>Session 2</td>
<td>18:15 OP-PM36-2</td>
</tr>
<tr>
<td>Title</td>
<td>ENDURANCE TRAINING TYPE EFFECT ON NEUROMUSCULAR PARAMETERS DURING 8-WEEKS CONCURRENT TRAINING</td>
</tr>
<tr>
<td>Authors</td>
<td>Robineau, J. et al [France]</td>
</tr>
<tr>
<td>Session 3</td>
<td>18:30 OP-PM36-3</td>
</tr>
<tr>
<td>Title</td>
<td>MUSCLE STRENGTH, EMG-ESTIMATED NEURAL DRIVE AND MUSCLE ARCHITECTURE IN RESPONSE TO 14 WEEKS OF LINEAR AND DAILY NON-LINEAR RESISTANCE TRAINING</td>
</tr>
<tr>
<td>Authors</td>
<td>Ullrich, B. et al [Germany]</td>
</tr>
<tr>
<td>Session 4</td>
<td>18:45 OP-PM36-4</td>
</tr>
<tr>
<td>Title</td>
<td>METABOLIC RESPONSES TO INTER-REPETITION REST MANIPULATION IN SQUAT STRENGTH TRAINING</td>
</tr>
<tr>
<td>Authors</td>
<td>González Hernández, J.M. et al [Spain]</td>
</tr>
<tr>
<td>Session 5</td>
<td>19:00 OP-PM36-5</td>
</tr>
<tr>
<td>Title</td>
<td>MUSCLE STRENGTH AND MUSCLE CONTRACTILE PROPERTIES IN RESPONSE TO 16 WEEKS OF HIGH AND MODERATE INTENSITY LINEAR VERSUS DAILY NON-LINEAR RESISTANCE TRAINING</td>
</tr>
<tr>
<td>Authors</td>
<td>Holzinger, S. et al [Germany]</td>
</tr>
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<table>
<thead>
<tr>
<th>Forum</th>
<th>OP-BN10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Balance Control</td>
<td>OP-BN10-1</td>
</tr>
<tr>
<td>Chair(s):</td>
<td></td>
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<td>Cholewicki, J. [United States]</td>
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<td>Title</td>
<td>EFFECTS OF ACHILLES TENDON VIBRATION ON CORTICOSPINAL AND GROUP I AFFERENT PATHWAYS EXCITABILITY DURING UPRIGHT STANDING</td>
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<td>Authors</td>
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<td>Session 2</td>
<td>18:15 OP-BN10-2</td>
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<td>THE RELATIONSHIP BETWEEN ANKLE JOINT PHYSIOLOGICAL CHARACTERISTICS AND BALANCE CONTROL DURING UNILATERAL STANCE</td>
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<td>18:30 OP-BN10-3</td>
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<tr>
<td>Title</td>
<td>LOAD DEPENDENCY OF POSTURAL CONTROL – KINEMATIC AND NEUROMUSCULAR CHANGES IN RESPONSE TO OVER AND UNDER LOADING</td>
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<td>Authors</td>
<td>Ritzmann, R. [Germany]</td>
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<td>Session 4</td>
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<td>Title</td>
<td>DIFFERENCES BETWEEN KAYAKERS AND HEALTHY CONTROLLERS IN STABILIZING FUNCTIONS OF THE TRUNK</td>
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<td>Authors</td>
<td>Voglar, M. et al [Slovenia]</td>
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<td>Title</td>
<td>IMPACT OF EXERCISE TRAINING ON GLYCAEMIC CONTROL IN ADOLESCENTS WITH TYPE 2 DIABETES</td>
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<tr>
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<td>EXERCISE TRAINING EFFECTIVELY IMPROVES INSULIN SENSITIVITY IN SYSTEMIC LUPUS ERYTHEMATOSUS</td>
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<td>Benandi, F.B. et al [Brazil]</td>
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<td>18:30 OP-PM37-3</td>
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<td>BLOOD GLUCOSE HOMEOSTASIS DURING SUCCESSIVE DAYS OF PROLONGED WALKING EXERCISE IN PATIENTS WITH TYPE 1 DIABETES</td>
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<tr>
<td>Title</td>
<td>RESVERATROL IMPROVES INSULIN SENSITIVITY AND REDUCES SKELETAL MUSCLE MITOCHONDRIAL H2O2 EMISSION IN DEVELOPING RATS</td>
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<td>Authors</td>
<td>Kwo, H.B. et al [Korea, South]</td>
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<td>Session 5</td>
<td>19:00 OP-PM37-5</td>
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<tr>
<td>Title</td>
<td>HIGH INTENSITY INTERVAL TRAINING VERSUS STRENGTH TRAINING TO IMPROVE INSULIN SENSITIVITY AND BODY COMPOSITION IN WOMEN WITH POLYCYSTIC OVARY SYNDROME. A RANDOMIZED CONTROLLED TRIAL</td>
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<td>Authors</td>
<td>Moro, T. et al [Italy]</td>
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<th>OP-PM38</th>
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<td>Muscle Signaling &amp; Protein Synthesis</td>
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<td>Chair(s):</td>
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<td>Title</td>
<td>SHORT-TERM MUSCLE DISUSE ATROPHY IS NOT ASSOCIATED WITH INCREASED SKELETAL MUSCLE UPRD ACCUMULATION OR IMPAIRED OXIDATIVE ENZYME ACTIVITY IN YOUNG OR ELDERLY MEN</td>
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<td>Session 2</td>
<td>18:15 OP-PM38-2</td>
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<tr>
<td>Title</td>
<td>INCREASED METABOLIC POWER IN PLANTARIS AFTER COMBINED PEAK POWER AND ENDURANCE TRAINING</td>
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<td>18:30 OP-PM38-3</td>
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<tr>
<td>Title</td>
<td>ENDURANCE TRAINING TYPE EFFECT ON NEUROMUSCULAR PARAMETERS DURING 8-WEEKS CONCURRENT TRAINING</td>
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<td>Session 4</td>
<td>18:45 OP-PM38-4</td>
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<tr>
<td>Title</td>
<td>MUSCLE STRENGTH AND MUSCLE CONTRACTILE PROPERTIES IN RESPONSE TO 16 WEEKS OF HIGH AND MODERATE INTENSITY LINEAR VERSUS DAILY NON-LINEAR RESISTANCE TRAINING</td>
</tr>
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<td>Jumping Research</td>
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<td>Title</td>
<td>JUMP TEST CAN DETECT CHANGES IN POWER DURING TRAINING IN JUNIOR BMX RIDERS</td>
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<tr>
<td>Title</td>
<td>POWER-FORCE VELOCITY PROFILE IN COUNTERMOVEMENT JUMP</td>
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<td>Title</td>
<td>EFFECTS OF SPECIFIC HIP MUSCLE ACTIVATION EXERCISES USING REAL-TIME BIOFEEDBACK ON DYNAMIC KNEE CONTROL IN JUMPING PERFORMANCE IN FEMALE ATHLETES. RESULTS OF A PILOT STUDY</td>
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<td>Title</td>
<td>MOLECULAR SIGNALLING RESPONSE TO SHORT DURATION HIGH INTENSITY/LOW VOLUME RESISTANCE TRAINING IN HUMAN SKELETAL MUSCLE. THE BASIS OF ANABOLIC RESISTANCE AND THE FUTILITY OF TRYING TO OVERCOME IT BY EXCESS INTAKE OF EAA/PROTEIN</td>
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<td>19:00 OP-BN11-4</td>
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<tr>
<td>Title</td>
<td>FORCE VELOCITY RELATIONSHIP OF LEG EXTENDORS OBTAINED FROM LOADED AND UNLOADED VERTICAL JUMPS</td>
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<td>Nedeljkovic, A. et al [Serbia]</td>
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Invited & Oral Presentations

19th Annual Congress of the European College of Sport Science
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Topic</th>
<th>Chair(s)</th>
<th>Presenters</th>
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<tbody>
<tr>
<td>18:00</td>
<td>OP-PM39</td>
<td>Muscle Force, Damage &amp; Metabolism</td>
<td>Willems, M. [United Kingdom]</td>
<td>Blazevich, A. [Australia]</td>
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<tr>
<td>18:30</td>
<td>OP-SH07</td>
<td>Attention &amp; Sport Performance</td>
<td>Oudejans, R. [Netherlands]</td>
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<td>18:30</td>
<td>OP-SH08</td>
<td>Sport Psychological Interventions</td>
<td>Hutter, V. [Netherlands]</td>
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<td>18:00</td>
<td>OP-PM40</td>
<td>Teamsport Soccer &amp; Rugby</td>
<td>Lemmink, K. [Netherlands]</td>
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<td>18:00</td>
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<td>Exercise in the Heat</td>
<td>Levels, K. [Netherlands]</td>
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Oral & Invited Presentations

Auditorium OP-PM42

Supplementation & Performance
Chair(s):
Roelands, B. [Belgium]
08:30 OP-PM42-1
REHYDRATION WITH A CASEIN OR CARBOHYDRATE DRINK FOLLOWING A 2% DEHYDRATING EXERCISE SESSION
Black, K. et al [New Zealand]
08:45 OP-PM42-2
EFFECT OF BETA-ALANINE SUPPLEMENTATION ON 20 KM CYCLING TIME TRIAL PERFORMANCE AND COGNITIVE FUNCTION
Martin, D. et al [United Kingdom]
09:00 OP-PM42-3
CAFÉNERATED ENERGY DRINKS ENHANCE PHYSICAL PERFORMANCE IN ELITE JUNIOR TENNIS PLAYERS
Gallo Salazar, C. et al [Spain]
09:15 OP-PM42-4
DIETARY FISH OIL DELAYS HYPOXIC SKELETAL MUSCLE FATIGUE AND ENHANCES CAFFEINE STIMULATED CONTRACTILE RECOVERY IN THE RAT IN VIVO HINDLIMB
Peoples, G. et al [Australia]
09:30 OP-PM42-5
ENDURANCE TRAINING COMBINED WITH IGF-1 SUPPLEMENTATION ATTENUATES AGING-INDUCED APOPTOSIS IN RAT SKELETAL MUSCLE
Mosaferi Ziaaldini, M. et al [Hungary]

Forum OP-BN12

Muscle Biomechanics
Chair(s):
Maas, H. [Netherlands]
Huijing, P. [Netherlands]
08:00 OP-BN12-1
CAN INFRARED THERMOGRAPHY IMAGING BE USED TO ASSESS TEMPERATURE CHANGES INDUCED BY ACHILLES TENDON HYSTERESIS?
Pellonens, J. et al [Finland]
08:45 OP-BN12-2
MECHANICAL INTERACTIONS BETWEEN SYNERGISTIC MUSCLES FOLLOWING ALTERATIONS IN MUSCLE CONNECTIVITY IN THE RAT
Bernabei, M. et al [Netherlands]
09:00 OP-BN12-3
NEURAL GASTROCEPHALUS MUSCLE GROWTH DURING ADOLESCENCE IS MEDIATED BY AN INCREASE OF FASCICULAR DIAMETER RATHER THAN BY LONGITUDINAL FASCICULAR GROWTH.
Weide, G. et al [Netherlands]
09:15 OP-BN12-4
EVALUATION OF HILL AND HUXLEY MUSCLE MODELS USING EXPERIMENTAL DATA OBTAINED FROM RAT M. SOLEUS IN SITU
Lernaire, K.K. et al [Netherlands]
09:30 OP-BN12-5
THE USE OF A MUSCULOTENDINOUS STRETCH-SHORTENING CYCLE: A COMPARISON BETWEEN YOUNG AND ELITE SPRINTERS DURING THE FIRST STEP OF THE ACCELERATION PHASE
Aeles, J. et al [Belgium]

Emerald OP-PM43

Sports Medicine
Chair(s):
Blair, S. [United States]
Buffart, L. [Netherlands]
08:30 OP-PM43-1
ASSOCIATIONS OF DIFFERENT TYPES OF SITTING WITH CARDOMETABOLIC RISK FACTORS
Borodulin, K. et al [Finland]
08:45 OP-PM43-2
EARLY SPORT PRACTICE AND THE PREVENTION OF ARTERIOSCLEROSIS IN ADULTHOOD
Fernandes, R. et al [Brazil]
09:00 OP-PM43-3
COMPARISON BETWEEN REAL AND ESTIMATED CARBOHYDRATE SUPPLEMENTS IN TYPE 1 DIABETIC PATIENTS DURING 1-H RUNS
Buoite Stella, A. et al [Italy]
09:15 OP-PM43-4
STRENGTH TRAINING WITH INSTABILITY IS MORE EFFECTIVE THAN CONVENTIONAL STRENGTH TRAINING FOR PATIENTS WITH PARKINSON'S DISEASE.
Silva Batista, C. et al [Brazil]
09:30 OP-PM43-5
KINESIOPHOBIA AND PHYSICAL ACTIVITY AFTER SPINAL FUSION SURGERY AND POSTOPERATIVE EXERCISE INTERVENTION
Ilves, O. et al [Finland]

Central & Peripheral Fatigue
Chair(s):
Place, N. [Switzerland]
Klass, M. [Belgium]
08:30 OP-PM44-1
EFFECT OF A NORADRENALINE REUPTAKE INHIBITOR ON CENTRAL AND PERIPHERAL FATIGUE DURING INTERMITTENT SUBMAXIMAL CONTRACTIONS PERFORMED TILL EXHAUSTION
Klass, M. et al [Belgium]
08:45 OP-PM44-2
CHILDREN EXPERIENCE MORE central AND LESS PERIPHERAL FATIGUE THAN ADULTS DURING REPEATED MAXIMAL CONTRACTIONS
Fratel, S. et al [France]
09:00 OP-PM44-3
CAFFEINE EXTENDS CAPACITY FOR REPEATED HIGH INTENSITY KNEE EXTENSOR EXERCISE WITH INCREASED PERIPHERAL EXCITABILITY AND VOLUNTARY DRIVE TO THE KNEE EXTENSORS
Bowtell, J. et al [United Kingdom]
09:15 OP-PM44-4
WIDE-PULSE, HIGH-FREQUENCY NEUROMUSCULAR ELECTRICAL STIMULATION INDUCES LOWER METABOLIC DEMAND THAN CONVENTIONALLY USED PARAMETERS
Gondin, J. et al [France]
09:30 OP-PM44-5
MUSCLE FATIGUE INDUCED BY REPEATED SQUAT JUMPS REALIZED WITH OR WITHOUT NEUROMUSCULAR ELECTRICAL STIMULATION
Place, N. et al [Switzerland]

Motor Learning
Chair(s):
Raub, M. [Germany]
Mann, D. [Netherlands]
08:30 OP-BN13-1
EFFECTS OF DISTRIBUTED DIFFERENTIAL LEARNING ON SKILL ACQUISITION IN NOVICES
Beckmann, H. et al [Germany]
08:45 OP-BN13-2
DIFFERENCES IN VISUAL SEARCH BEHAVIOUR BETWEEN NATIONAL AND DEVELOPMENTAL SKICROSS RACERS
Panchuk, D. [Australia]
09:00 OP-BN13-3
TRAINING ANTICIPATION WITH FUNCTIONAL VS. DYSFUNCTIONAL COLOUR CUES IN BEACH-VOLLEYBALL
Valer, C. et al [Switzerland]
09:15 OP-BN13-4
GAIT RETRAINING TO REDUCE LOADING: WHAT IS THE IDEAL LOCATION FOR PROVIDING VISUAL ACCELEROMETER BIOFEEDBACK?
ÓCatháin, C. et al [Ireland]
09:30 OP-BN13-5
THE EFFECT OF ACUTE EXERCISE AND PSYCHO-SOCIAL STRESS ON FINE MOTOR SKILLS AND TESTOSTERONE CONCENTRATION OF HIGH SCHOOL STUDENTS
Budde, H. et al [Germany]
Saturday, July 5th, 2014

08:30 - 10:00

G103
Metabolic Adaptation to Exercise
Chair(s):
Waugh, C. [United Kingdom]

08:30 OP-PM45-1
MECHANISM FOR EXERCISE INDUCED P53-14#45; TRANSCRIPTION IN SKELETAL MUSCLE
Kim, K. et al [Korea, South]

08:45 OP-PM45-2
TWO WEEKS OF IMMobilisation INCREASES SKELETAL MUSCLE ROS PRODUCTION AND DECREASES COUPLING EFFICIENCY IN ELDERLY HEALTHY MEN - AN EFFECT WHICH IS REVERSED BY AEROBIC TRAINING
Gram, M. et al [Denmark]

G104
Education & Pedagogics
Chair(s):
Pate, R. [United States] Schaffert, N. [Germany]

08:30 OP-SH09-1
CHARACTERIZATION OF PARENTS WITH DIFFERENT PERCEPTIONS ABOUT PHYSICAL EDUCATION STATUS IN THE CURRICULUM
Carreiro da Costa, F. et al [Portugal]

08:45 OP-SH09-2
PARTICIPATION STYLES IN ELEMENTARY PHYSICAL EDUCATION
Romar, J.E. et al [Finland]

09:00 OP-SH09-3
ASSESSMENT CRISIS OR OPPORTUNITY? THE ROLE OF ASSESSMENT FOR LEARNING IN NORWEGIAN PHYSICAL EDUCATION
Leirhaug, P.E. et al [Norway]

09:15 OP-SH09-4
PERFORMING ARTS TEACHERS’ CONCEPTIONS OF MOTOR CREATIVITY
Torrents, C. et al [Spain]

09:30 OP-SH09-5
EFFECTS OF 6 MONTH AIT ON INSULIN SENSIVITY AND SKELETAL MUSCLE GLUCOSE METABOLISM IN METABOLIC SYNDROME PATIENTS
Guadalupe, G.A. et al [Denmark]

09:45 OP-SH09-6
THIOL-BASED SUPPLEMENTATION ALTERS CYTOKINE AND ADHESION MOLECULE RESPONSES FOLLOWING TWO EXERCISE MODELS
Fatouros, I. et al [Greece]

G105
Sport & Cognition
Chair(s):
Proper, K. [Netherlands]

08:30 OP-SH10-1
THINKING FAST AND SLOW: TESTING COGNITIVE EXPERTISE IN HIGH DIVISION AND LOWER DIVISION FIELD HOCKEY PLAYERS
de Vries, S. [Netherlands]

08:45 OP-SH10-2
A COMPARISON OF ERROR PROCESSING DURING TASK SWITCH BETWEEN CLOSED-SKILL AND OPEN-SKILL ELDERLY EXERCIERS
Lan Ya, C. [Taiwan]

09:00 OP-SH10-3
COGNITIVE FUNCTIONING AFTER AN ACUTE BOUT OF EXERCISE IN OLDER ADULTS: MODE AND DURATION EFFECTS
Polman, R. et al [Australia]

09:15 OP-SH10-4
THE IMMEDIATE AND DELAYED EFFECTS OF A SINGLE AEROBIC SESSION ON EXECUTIVE FUNCTIONS AND ATTENTION IN HEALTHY ACTIVE ADULTS
Netz, Y. [Israel]

09:30 OP-SH10-5
RETURN TO SOCCER AFTER ACL RECONSTRUCTION – CONSENSUS FINDING PROCESS OF A MULTIFACETED TEST BATTERY
Baltzopoulos, B. [United Kingdom]

G106
ACL Reconstruction & Exercise
Chair(s):
Baltzopoulos, B. [United Kingdom]

08:30 OP-PM46-1
QUADRICEPS/HAMSTRINGS EXPLOSIVE STRENGTH IN ALPINE SKI RACERS WITH ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION
Jordan, M. et al [Canada]

08:45 OP-PM46-2
THE EFFECTS OF SOCCER MATCH SIMULATION ON FUNCTIONAL HAMSTRING TO QUADRICEPS RATIO AND PEAK KNEE ABDUCTION MOMENTS IN SIDE CUTTING
Raja Azidin, R.M.F. et al [United Kingdom]

09:00 OP-PM46-3
ANTICIPATORY POSTURAL ADJUSTMENTS TO PRERECOOLING IN INDIVIDUALS WHO UNDERWENT ACL RECONSTRUCTION
Labanca, L. et al [Italy]

09:15 OP-PM46-4
THE EFFECT OF PRECOOLING IN DYNAMIC BALANCE ABILITY
Gkrilias, P. et al [Greece]

09:30 OP-PM46-5
THE EFFECT OF PRECOOLING IN DYNAMIC BALANCE ABILITY
Gkrilias, P. et al [Greece]

09:45 OP-PM46-6
THE EFFECT OF PRECOOLING IN DYNAMIC BALANCE ABILITY
Gkrilias, P. et al [Greece]

G107
Exercise & Cooling
Chair(s):
Cotter, J. [New Zealand]

08:30 OP-PM47-1
EFFECT OF REGULAR POST-EXERCISE COOLING ON MUSCLE AEROBIC ADAPTATIONS TO ENDURANCE TRAINING
Insan, M. et al [Australia]

08:45 OP-PM47-2
A DURATION-DEPENDENT RESPONSE TO ISOLATED LEG COOLING EXISTS FOR INTERMITTENT-SPRINT EXERCISE IN THE HEAT
Smith, D. et al [United Kingdom]

09:00 OP-PM47-3
SYMPATHETIC RESPONSES TO COMBINED COLD STRESS AND ISOMETRIC EXERCISE IN HEALTHY AGED HUMANS
Greeney, J.L. et al [United States]

09:15 OP-PM47-4
SKIN TEMPERATURE DISTRIBUTION AND CORE TEMPERATURE IN PASSIVE COOLING AND EXERCISE: THE INFLUENCE OF BODY FAT
Faunet, D. et al [France]

09:30 OP-PM47-5
THE EFFECT OF PRECOOLING IN DYNAMIC BALANCE ABILITY
Gkrilias, P. et al [Greece]

09:45 OP-PM47-6
THE EFFECT OF PRECOOLING IN DYNAMIC BALANCE ABILITY
Gkrilias, P. et al [Greece]
<table>
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<th>IS-PM15</th>
<th>IS-BN10</th>
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**Auditorium IS-PM15**

**Ultrasound: limitations and performance**

Chair(s):
- Helge, J. (Denmark)
- Daanen, H. (Netherlands)

10:20 IS-PM15-1

**The TEFR-project: Adaption and Tolerance to Extreme Ultra Endurance Exercise**

Ch. Ulrich (Germany)

10:50 IS-PM15-2

**Environmental influences on Ultra-Endurance Athletes**

Colter, J.D. (New Zealand)

11:20 IS-PM15-3

**Factors Determining Ultra-Endurance Exercise Performance**

Mattsson, C.M. (Sweden)

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**Emerald IS-BN10**

**Cardiovascular Adaptation in Athletes: What's New?**

Chair(s):
- Maas, H. (Netherlands)
- Jaspers, R. (Netherlands)

10:20 IS-BN10-1

**Importance of Intermuscular Connectivity for In Vivo Muscle Function and Neuromuscular Control**

Maas, H. (Netherlands)

10:50 IS-BN10-2

**The Extent of Intermuscular Force Transmission is Muscle and Activity Dependent**

Finni, T. (Finland)

11:20 IS-BN10-3

**Various Human and Animal Experiments Show Substantial Intermuscular Force Transmission Effects Except Among Muscles Exposed to Botulinum Toxin**

Yucesoy, C. (Turkey)

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**E102 IS-SH9**

**ECSS - ACSM Exchange Symposium: ActivEarth**

Chair(s):
- Meesens, R. (Belgium)

10:20 IS-SH9-1

**ActiveEarth: The American Perspective**

Rankin, J. (United States)

10:50 IS-SH9-2

**Exchange Symposia: ActiveEarth**

DeBourdeaudhuij, I. (Belgium)

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**G102 OP-BN14**

**Injury Prevention**

Chair(s):
- Chaudhari, A. (United States)
- moen, m. (Netherlands)

10:20 OP-BN14-1

**Injury Prevention in Rugby Players: Knowledge and Education Stronger Determinants of Correct Behaviour Than Perceptions**

Brown, J. et al (South Africa)

10:35 OP-BN14-2

**A New Injury Prevention Programme for Children’s Football “FIFA 11+ Kids” Improves Motor Performance: A Cluster Randomized Controlled Trial**

Rössler, R. et al (Switzerland)

10:50 OP-BN14-3

**More Running Shoes, Lower Injury Risk?**

Malisoux, L. et al (Luxembourg)

11:05 OP-BN14-4

**Implementation Effectiveness of an Evidence Based App to Prevent Ankle Sprains**

Vriend, I. et al (Netherlands)

11:20 OP-BN14-5

**Expecting Ankle Tilts and Wearing a Brace Reduce Ankle Inversion in the Sprain Mechanism**

Gehring, D. et al (Germany)

11:35 OP-BN14-6

**Relative Age Effect and Injuries in Elite Schoolboy Cricketers**

Stretch, R. (South Africa)
10:20 OP-PM48-1
TAPERING IN MIDDLE-DISTANCE RUNNERS: THE EFFECT OF A FINAL HIGH INTENSITY TRAINING BOUT ON 1,500 M PERFORMANCE
Spilsbury, K.S. et al [United Kingdom]

10:35 OP-PM48-2
THE IMPACT OF 8-MONTH TRAINING PREPARATION FOR AN IRONMAN DISTANCE TRIATHLON ON FITNESS AND IMMUNE RESPONSE IN RECREATIONAL ATHLETES.
Tanner, A.V. et al [United Kingdom]

10:50 OP-PM48-3
DISTURBANCES TO SLEEP ARCHITECTURE IN ATHLETES DURING RAMADAN
Chamari, K. et al [Qatar]

11:05 OP-PM48-4
THE EFFECT OF REPEATED BOUTS OF DOWNHILL TRAINING ON 30-KM RUNNING PERFORMANCE AND RECOVERY
Lambert, M. et al [South Africa]

11:20 OP-PM48-5
NO EFFECT OF INTENSIVE TRAINING ON PLASMA BONE AND CORTISOL CONCENTRATIONS IN HIGHLY TRAINED CYCLISTS
Piacentini, M.F. et al [Italy]

10:20 IS-SH10-1
BEHAVIOURAL EPIDEMIOLOGY OF SITTING AND ACTIVITY AT WORK
Brown, W. [Australia]

10:50 IS-SH10-2
REDUCING SEDENTARY BEHAVIOUR IN THE WORKPLACE
van der Ploeg, H.P. [Netherlands]

11:20 IS-SH10-3
NOVEL WORKSITE INTERVENTIONS FROM THE SOUTHERN HEMISPHERE
Kolbe Alexander, T.L. [Australia]

10:20 IS-SH11-1
THE SPORTS-MONOPOLY: PLAY IT “FAIR”
Olfers, M. [Netherlands]

10:50 IS-SH11-2
EVALUATION OF THE CREATION OF A GLOBAL SPORTS ANTI-CORRUPTION BODY
Gardiner, S. [United Kingdom]

11:20 IS-SH11-3
INTEGRITY OF SPORTS – GOOD GOVERNANCE IN SPORT ORGANIZATIONS
Schenk, S. [Germany]

10:20 OP-PM49-1
DOSE-RESPONSE OF HABITUAL PHYSICAL ACTIVITY AND HEART RATE VARIABILITY IN YOUNG WOMEN
Krause, F. et al [Germany]

10:50 OP-PM49-2
WHICH ALLOMETRIC MODEL BEST DESCRIBES THE BODY SIZE/CARDIAC DIMENSION RELATIONSHIP IN AN ETHNICALLY DIVERSE COHORT OF ATHLETES?
Riding, N. et al [Qatar]

10:50 OP-PM49-3
CARDIOPULMONARY FUNCTION IN AMATEUR RUNNERS BEFORE AND AFTER SÃO PAULO INTERNATIONAL MARATHON
Sierra, A. et al [Brazil]

10:50 OP-PM49-4
INFLUENCE OF A CYP1A2 POLYMORPHISM ON HEART RATE VARIABILITY DURING EXERCISE WITH CAFFEINE INGESTION
Carrillo, A.E. et al [United States]

11:20 OP-PM49-5
CROSS-SECTIONAL STUDY ON THE RELATION BETWEEN MEDITERRANEAN DIET SCORE AND BLOOD UPOIDS
Mertens, E. et al [Belgium]

10:20 OP-PM50-1
HORMONAL INFLUENCE ON CYTOKINES PRODUCTION IN MARATHON RUNNERS
Vassberg, M. et al [Brazil]

10:20 OP-PM50-2
INDIVIDUAL PATTERNS IN BLOOD-BORN INDICATORS OF FATIGUE - FORTUITY OR TRAIT?
Julian, R. et al [Germany]

10:50 OP-PM50-3
HORMONAL CHANGES DUE TO A 2-BOUT EXERCISE PROTOCOL
de Geus, B. et al [Belgium]

11:05 OP-PM50-4
THE REPRODUCIBILITY OF BLOOD-BORN AND PSYCHOLOGICAL MARKERS OF FATIGUE AND RECOVERY IN ELITE ATHLETES
Fullagar, H. et al [Germany]
**Mini-Oral Presentations**

**Wednesday, July 2nd, 2014**

**13:00 - 14:00 Slot A**

**MO-PM01 NU Ergogenic Supplements 1**

**Lecture Room: Auditorium**

Chair(s): Proper, K. [Netherlands]
Kemper, H. [Netherlands]

**MO-PM02 HF Obesity**

Lecture Room: Forum

Chair(s): Fernandez, F. et al [Portugal]

**MO-PM03 PH High Intensity Interval Training**

Lecture Room: E102

Chair(s): Cocks, M. [United Kingdom]
McNarry, M. [United Kingdom]

**MO-PM04 Molecular Biology & Strength**

Lecture Room: G102

Chair(s): Pate, R. [United States]
Federolf, P. [Norway]

**MO-BN01 BM Running**

Lecture Room: G102

Chair(s): Pate, R. [United States]
Federolf, P. [Norway]

**MO-BN01 Molecular Biology & Strength**

Lecture Room: G103

Chair(s): Jaspers, R. [Netherlands]
Vogt, M. [Switzerland]

**MO-BN01 Running**

Lecture Room: Auditorium

Chair(s): Place, N. [Switzerland]
Raastad, T. [Norway]

**MO-BN01 BM Running**

Lecture Room: G102

Chair(s): Pate, R. [United States]
Federolf, P. [Norway]

**MO-BN01 Molecular Biology & Strength**

Lecture Room: E102

Chair(s): Cocks, M. [United Kingdom]
McNarry, M. [United Kingdom]
ECSS Amsterdam 2014 - The Netherlands, 2-5 July
Mini-Oral Presentations

MO-PM07-7 NONLINEAR HRV INDICES IN RESPONSE TO AN INCREMENTAL TEST IN YOUNG CYCLISTS Camarano, B. et al (Spain)

MO-PM07-8 ANAEROBIC THRESHOLD ASSESSMENT FROM HEART RATE VARIABILITY IN RUNNING: USING THE ACTUAL RESPIRATORY SPECTRAL COMPONENT Di Michele, R. et al (Italy)

MO-PM08 SM Exercise=Medicine
LECTURE ROOM: E104 Chair(s):
van der Woude, L. (Netherlands) Brown, W. (Australia)

MO-PM08-1 BALANCING THE IMBALANCE OF STROKE SURVIVORS WITH BACKWARD SLOPE WALKING ON DIFFERENTIAL TREADMILL GRADIENTS Aghionhadori, E. (Norway)

MO-PM08-2 IMPACT OF DIFFERENT TRAINING MODALITIES ON OXYGENIC CONTROL AND BLOOD UPLDS IN SUBJECTS WITH TYPE 2 DIABETES: A SYSTEMATIC REVIEW AND NETWORK META-ANALYSIS Schwingshackl, L. et al (Austria)

MO-PM08-3 HEART RATE RECOVERY AND AEROBIC ENDURANCE CAPACITY IN CANCER SURVIVORS: ASSOCIATIONS AND EXERCISE-INDUCED IMPROVEMENTS Gonzalez-Rivera, J. et al (Germany)

MO-PM08-4 SUBJECTIVE AND OBJECTIVE AEROBIC PERFORMANCE MONITORING IN BREAST CANCER PATIENTS Haciboysamoglu, M. et al (Germany)

MO-PM08-5 THE EFFECT OF A 12 WEEKS RANDOMIZED CONTROLLED TRIAL OF VIGOROUS EXERCISE ON MOTOR SKILLS IN A GROUP OF OVER 65 PEOPLE Meis, S. et al (Italy)

MO-PM08-6 POSTEXERCISE HYPOTENSION IN CHRONIC HEART FAILURE PATIENTS AFTER CONTINUOUS AND INTERVAL EXERCISE TRAINING Bieniek, S. (Germany)

MO-PM07-8 EXERCISE INTERVENTIONS FOR PATIENTS WITH PERIPHERAL NEUROPATHY Streckmann, F. et al (Germany)

MO-PM08-7 CRITICAL TIME FOR CYCLE EROGOMETER EXERCISE IS DEPENDENT ON EXERCISE INTENSITY IN TYPE 1 DIABETES – A SINGLE CASE STUDY Moser, O. et al (Austria)

MO-PM09 TT Agility
LECTURE ROOM: E105-106 Chair(s):
Lemmink, K. (Netherlands)

MO-PM09-1 THE EFFECTS OF MULTIPLE CHANGES OF DIRECTION TRAINING ON NEUROMUSCULAR PERFORMANCE Padulo, J. et al (Italy)

MO-PM09-2 AGE RELATED DIFFERENCES IN AGILITY DURING A TRAINING SEASON IN YOUTH ELITE SOCCER PLAYERS Bidaurrazaga Leetona, I. et al (Spain)

MO-PM09-3 AGILITY TESTING IN TOP-LEVEL PROFESSIONAL BASKETBALL PLAYERS Moreno, D. et al (Spain)

MO-PM09-4 IS JUMP ABILITY RELATED TO SPECIFIC SHORT SPRINTS IN YOUNG FEMALE VOLLEYBALL PLAYERS? Buscà, B. et al (Spain)

MO-PM09-5 ENDURANCE AND AGILITY PROFILE BETWEEN MALE SOCCER PLAYERS OF DIFFERENT AGE CATEGORIES Shalaj, I. et al (Kosovo)

MO-PM09-6 SPEED TESTING IN FOIL AND EPEE FENCERS DURING SPECIFIC ATTACKS Weichnanger, M. et al (Germany)

MO-PM09-7 A STUDY ON THE METHOD OF MEASURING SIMPLE REACTION, CHOICE REACTION AND DISCRIMINATIVE REACTION TIMES OF THE TURKISH AIR FORCE ACADEMY CADETS Kamuk, Y. (Turkey)

MO-PM09-8 A COMPARISON BETWEEN THE REACTION TIMES OF ADVANCED MARTIAL ARTS ATHLETES AND ADVANCED COMPUTER GAME PLAYERS “E-ATHLETES” AND THEIR ACHIEVEMENT SCORES OF COMPLEX ACTION FORMAT Sagdilek, E. et al (Turkey)

MO-PM10 Thermoregulation 1
LECTURE ROOM: E107 Chair(s):
Levels, K. (Netherlands) Kenney, W. (United States)

MO-PM10-1 THERMOGRAPHIC SKIN TEMPERATURE RESPONSE TO DIFFERENT MOVEMENT VELOCITY OF SQUAT EXERCISE UNTIL EXHAUSTION: A PRELIMINARY REPORT Formenti, D. et al (Italy)

MO-PM10-2 VASST LATERALIS REPRESENTS THE ASSOCIATION BETWEEN NEUROMUSCULAR ACTIVATION AND THERMOREGULATION IN CYCLING Priejo, J.I. et al (Spain)

MO-PM10-3 EFFECT OF COOLING STRATEGIES ON CYCLING PERFORMANCE IN THE HEAT: THERMAL STATE VS. THERMAL COMFORT Schulze, E. et al (Netherlands)

MO-PM10-4 EFFECTS OF ACTIVE OR PASSIVE RECOVERY MODALITIES BETWEEN TWO 1000-M KAYAK EROGOMETER TIME TRIALS IN THE HEAT ON THERMOREGULATORY STRAIN AND PERFORMANCE IN ELITE KAYAKERS Borne, R. et al (France)

MO-PM10-5 EXERCISE-INDUCED RESPONSE IN SWEATING AND BODY TEMPERATURE DURING CYCLING EXERCISE WITH MODERATE INTENSITY Kohle, H. et al (Japan)

MO-PM011-1 FITNESS PROFILE AMONG 15 YEAR OLD ADOLESCENTS IN PRISHTINA, KOSOVO Tishkaku, F. et al (Kosovo)

MO-PM11-1-9 FUNDAMENTAL MOVEMENT SKILLS OF PRE-SCHOOL CHILDREN IN NORTHWEST ENGLAND Foukles, J.D. et al (United Kingdom)

MO-PM09-10 PERIPHERAL BLOOD FLOW CHANGES IN RESPONSE TO POST-EXERCISE COLD WATER IMMERSION Choo, H.C. et al (Australia)

MO-PM11-1 Physical Activity in Children 1
LECTURE ROOM: E108 Chair(s):
McKay, H. (Canada) Carlsen, K. (Norway)

MO-PM11-1 FITNESS PROFILE AMONG 15 YEAR OLD ADOLESCENTS IN PRISHTINA, KOSOVO Tishkaku, F. et al (Kosovo)

MO-PM11-2 A COMPARISON OF CHILD OBesity PREVALENCE CHANGES USING INTERNATIONAL AND UNITED KINGDOM NATIONAL GROWTH REFERENCES FOLLOWING A 10-WEEK INTERVENTION Brown, I. et al (United Kingdom)

MO-PM11-3 EXPLORATORY DEVELOPMENT OF A RISK SCORE FOR CHILDREN’S PHYSICAL ACTIVITY CORRELATES BASED ON THE YOUTH PHYSICAL ACTIVITY PROMOTION MODEL Fairclough, S.J. et al (United Kingdom)

MO-PM11-4 PARKOUR AS A MEAN TO INCREASE PHYSICAL ACTIVITY IN ADOLESCENTS Zangerl, R. et al (Sweden)

MO-PM11-5 RELATIONSHIP BETWEEN OBJECTIVELY MEASURED PHYSICAL ACTIVITY AND FMS IN CHILDREN Uvacsek, M. et al (Hungary)

MO-PM11-6 HOW ACTIVE ARE GERMAN CHILDREN AND ADOLESCENTS AND WHERE SHOULD ACTIVITY PROMOTION FOCUS ON IN FUTURE? Manz, K. et al (Germany)

MO-PM11-7 WHERE DOES THE TIME GO? PATTERNS OF DAILY PHYSICAL ACTIVITY IN ADOLESCENTS Belton, S. et al (Ireland)

MO-PM11-8 CHANGE IN SALVARY BIOMARKERS OF THE CHILDREN AND ADOLESCENTS IN A TSUNAMI DISASTER AREA Sakamoto, Y. et al (Japan)

MO-PM11-9 FUNDAMENTAL MOVEMENT SKILLS OF PRE-SCHOOL CHILDREN IN NORTHWEST ENGLAND Foukles, J.D. et al (United Kingdom)

MO-SH02 Sport Psychology & Physical Education
LECTURE ROOM: G108 Chair(s):
Bansignore, M. (Italy) Lavellee, D. (United Kingdom)
MO-SH02-1
VALUE THEORY: A NEW PARADIGM FOR SPORT PSYCHOLOGY?
Whitehead, J. et al [United Kingdom]

MO-SH02-2
CORPORATION PROJECT: PRACTICE OF SPORTS IN THE COMPANY FOR PSYCHOLOGICAL ABILITIES’ DEVELOPMENT
Anatha, G.O. et al [Brazil]

MO-SH02-3
FACTORS INFLUENCING POPULARIZATION OF RECREATIONAL RUNNING: A PILOT STUDY ON POLISH RUNNERS
Czajka, K. et al [Poland]

MO-SH02-4
A STUDY ON THE ASSERTIVENESS LEVEL OF PHYSICAL EDUCATION AND SPORTS COLLEGE STUDENTS
Erbasi, F.M. et al [Turkey]

MO-SH02-5
ANALYZING THE CONNECTIION LEVEL OF THE STUDENTS IN SCHOOL OF PHYSICAL EDUCATION AND SPORTS BETWEEN THE MINDS AND THE PHYSICAL ACTIVITIES OF THE STUDENTS
Baykose, N. et al [Turkey]

MO-SH02-6
EFFECTS OF LIGHT PHYSICAL ACTIVITIES ON INACTIVE STUDENTS’ MOOD IN DAILY LIFE: AN AMBULATORY ASSESSMENT STUDY
von Haaren, B. et al [Germany]

MO-SH02-7
STUNKARD IMAGES, BMI AND PERCEPTION OF STRENGTH AND SELF-ESTEEM IN A SAMPLE SIZE OF SPANISH SCHOLARS
Pulido, J.J. et al [Spain]

MO-SH02-8
THE ANAlySIS OF TEACHER SELF-EFFICACY OF PHYSICAL EDUCATION INSTRUCTORS ACCORDING THEIR ACTING AREA -ADAPTED PHYSICAL EDUCATION, SCHOOL, FITNESS, SPORTIVE TRAINING AND LEISURE-
Venditti Jr, R. et al [Brazil]

MO-BN03 BM Cyclic Sports
LECTURE ROOM: G109
Chair(s):
Truijens, M. [Netherlands]

MO-BN03-1
TRACTION FORCE AND HEART RATE DURING TETHERED SWIMMING USING 2 DIFFERENT PROTOCOLS
Lampadari, V. et al [Greece]

MO-BN03-2
JOINT-SPECIFIC POWER CONTRIBUTION AT INCREASING DOUBLE POLING INTENSITIES
Danielsen, J. et al [Norway]

MO-BN03-3
THE EFFECT OF CARBON INSOLES ON LEFT AND RIGHT BALANCE IN CYCLING
Koch, M. et al [Germany]

MO-BN03-4
THE EFFECT OF CADENCE ON HIP, KNEE AND ANKLE CONTRIBUTION DURING CYCLING EXERCISE
Skovereng, K. et al [Norway]

MO-BN03-5
THE EFFECT OF SEAT TYPE ON KINEMATICS DURING MAXIMAL KAYAK ERGOMETER PADDLING
Willmott, A.P. et al [United Kingdom]

MO-BN03-6
A NOVEL APPROACH OF MEASURING FORCE TRANSMISSION AND EFFICIENCY OVER KNEE JOINT IN CYCLING-CASE STUDY
Dordevic, S. et al [Slovenia]

MO-BN03-7
REAL-TIME VISUAL FEEDBACK ABOUT OAR FORCE AND POSITION HELPS TO ADAPT ROWING TECHNIQUE
Scholtens, E.J. et al [Netherlands]

MO-BN03-8
THE DIFFERENCE OF THE KICK START MOVEMENT IN COMPETITIVE SWIMMING BY SKILL LEVEL
Koito, A. et al [Japan]

MO-BN03-9
COMPARISON OF TWO METHODS OF ESTIMATING THE ACTIVE DRAG OF ELITE FREESTYLE PARA-SWIMMERS
Oh, Y.T. et al [United Kingdom]

MO-BN03-10
RELATIONSHIPS OF FREESTYLE SWIMMING PERFORMANCE WITH STRENGTH AND ANAEROBIC POWER-CAPACITY
Akdogan, E. et al [Turkey]

MO-SH03 Athletes & Achievements
LECTURE ROOM: G110
Chair(s):
Vanlandewijck, Y. [Belgium] Elferink-Gemser, M. [Netherlands]

MO-SH03-1
THE SWEDISH SPORTS FEDERATIONS’ DEPICTIONS OF THE ECONOMIC CONDITIONS OF ATHLETES
Hellborg, A. [Sweden]

MO-SH03-2
STRUCTURE OF SPORT SCIENCE IN EUROPE: PRELIMINARY RESULTS OF A “SCIENCE STUDIES” RESEARCH PROJECT
Canny, J. [France]

MO-SH03-3
UNDERSTANDING STUDENT-ATHLETE’S FLUNKED EXPERIENCE
SoRa, K. et al [Korea, South]

MO-SH03-4
TALENT IDENTIFICATION AMONG FEMALE SOCCER PLAYERS TO NATIONAL YOUTH TEAMS AND PLAYER ID TO A-NATIONAL TEAM
Rafoss, K. et al [Norway]

MO-SH03-5
DEVELOPMENT PLAN OF ATHLETES, SWIMMERS, AND GYMNASTS IN KOREA
Nam, Y. [Korea, South]

MO-SH03-6
THE ACADEMIZATION OF SPORT IN SWEDEN
Wirén Aakesson, J. [Sweden]

MO-SH03-7
SECOND CAREER DEVELOPMENT OF RETIRED ELITE ATHLETES IN HONG KONG
Sum, K. et al [Hong Kong]

ECSS Amsterdam 2014 - The Netherlands, 2-5 July
Mini-Oral Presentations

Wednesday, July 2nd, 2014

14:00 - 15:00 Slot B

MO-PM12 PH Resistance Exercise

LECTURE ROOM: AUDITORIUM
Chair(s):
Cocks, M. [United Kingdom]
Blazevich, A. [Australia]

MO-PM12-1
LOWER SATELLITE CELL CONTENT PARTLY EXPLAINS BLUNT ED HYPERTROPHIC RESPONSE IN OLD MICE, BUT IS NOT ALLEViated BY RESVERATROL Batkai, S. et al [United Kingdom]

MO-PM12-2
PREVALENCE OF SARCOPENIA AND IMPACT OF RESISTIVE EXERCISE IN A FULLY INDEPENDENT ELDERLY POPULATION Longo, S. et al [Italy]

MO-PM12-3
O2 PULSE DURING SINGLE SET VS. MULTIPLE-SET RESISTANCE EXERCISE Mookerjee, S. [United States]

MO-PM12-4
EFFECT OF A SHORT DURATION HIGH-INTENSITY LOW VOLUME RESISTANCE TRAINING ON SKELETAL MUSCLE IN YOUNG HEALTHY SUBJECTS, Pooi, A. et al [Italy]

MO-PM12-5
CHANGES IN MUSCLE ACTIVATION DURING 72 HOURS FOLLOWING AN ACUTE PYOMETRIC BOUT Mavropalias, G. et al [Sweden]

MO-PM12-6
FUNCTIONAL AND ARCHITECTURAL ADAPTATIONS OF SKELETAL MUSCLE TO A 6 WEEKS PYOMETRIC TRAINING INTERVENTION IN YOUNG AND OLDER MENS Carter, A.W. et al [United Kingdom]

MO-PM12-7
LACTATE AND RPE IN RESISTANCE TRAINING Brown, N. et al [Germany]

MO-PM12-8
ESTABLISHING EQUIVALENT TRAINING INTENSITIES FOR ISOMETRIC BILATERAL-LEG AND HANDGRIP EXERCISE USING THE CATEGORY RATIO SCALE Baross, A. W. et al [United Kingdom]

MO-PM12-9
BIOLOGICAL FEATURES RELATED TO FORCE-VELOCITY MECHANICAL PROFILE Rodríguez Juan, J.J. et al [Spain]

MO-PM13 TT Clinical 1

LECTURE ROOM: FORUM
Chair(s):
Frenken, W. [Netherlands]

MO-PM13-1
OPTIMIZING PATIENT SELECTION FOR CARDIAC RESynchronization THERAPY THROUGH CARDIOPULMONARY EXERCISE TESTING Pinto, K. et al [Portugal]

MO-PM13-2
A NEW FEED TEST PROTOCOL FOR PHYSICAL PERFORMANCE OF WHEELCHAIR BASKETBALL de Loat, B. et al [Netherlands]

MO-PM13-3
VARIABILITY OF 3 D GROUND REACTION FORCES DURING SELF-PROPELED WALKING ON THE DUAL-BELT TREADMILL Funato, K. et al [Japan]

MO-PM14-1
EFFECTS OF PRIOR EXERCISE ABOVE CRITICAL POWER ON MUSCLE FATIGUE Heidal, J. C. A. S. et al [Brazil]

MO-PM14-2
EFFECT OF MUSCLE-DAMAGING ECCENTRIC EXERCISE WITH REDUCED MUSCLE GLYCOGEN ON PLASMA INTERLEUKIN-6 AND NEUROMUSCULAR FUNCTION Willem, M. E. T. et al [United Kingdom]

MO-PM14-3
INFLUENCE OF VOLUNTARY HYPERVENTILATION DURING HYPOXIA ON EXECUTIVE FUNCTION AND PREFRONTAL CORTICAL ACTIVITY: AN EXPERIMENTAL MODEL FOR HYPOXIA CENTRAL FATIGUE WITH EXERCISE Genta, D. et al [Japan]

MO-PM14-4
A DANCING INTERVENTION IMPROVES LOCAL DYNAMIC STABILITY IN ELDERLY INDIVIDUALS Hamacher, D. et al [Germany]

MO-PM14-5
THE BOUNDING LIMITS OF CENTER-OF-PRESSURE VELOCITY AS A HALLMARK FEATURE OF CHANGES IN CONTROL POSTURAL STRATEGIES IN OLDER HEMODIALYSIS PATIENTS Deschamps, T. et al [France]

MO-PM14-6
ENDURANCE TRAINING REDUCES HIGH-FAT DIET-INDUCED UP-REGULATION OF APOPTOTIC SIGNALING IN VISCERAL ADIPOSE TISSUE FROM OBESE ANIMALS Rocha Rodrigues, S. et al [Portugal]

MO-PM15 Molecular Biology & Endurance

LECTURE ROOM: G103
Chair(s):
Jaspers, R. [Netherlands]

MO-PM15-1
PROXY HYDROXYLASE DOMAIN 2 DEFICIENCY INDUCES MUSCLE FIBER TYPE CONVERSION Shin, J.C. et al [Japan]

MO-PM15-2
ENDURANCE TRAINING MITIGATES MITOCHONDRIAL ALTERATIONS-INDUCED BY A HIGH-FAT DIET IN VISCERAL ADIPOSE TISSUE Beleza, J. et al [Portugal]

MO-PM15-3
PERFORMANCE OUTCOMES OF ELECTRICAL STIMULATION TRAINING FOR ELDERLY SUBJECTS: A SYSTEMATIC REVIEW AND META-ANALYSIS Ofenbach, J. et al [Germany]

MO-PM15-4
THE IMPACT OF AEROBIC FITNESS STATUS ON THE PHYSIOLOGICAL RESPONSES TO INCREMENTAL RAMP EXERCISE Boone, J. et al [Belgium]

MO-PM15-5
THE EFFECT OF CYCLING AND SMALL-SIDED GAMES ON PROTEIN CONTENT AND MRNA EXPRESSION ASSOCIATED WITH PH REGULATION Bishop, D. et al [Australia]

MO-PM15-6
THE EFFECT OF A SIX-WEEK WHOLE BODY VIBRATION TRAINING PROTOCOL ON THE PHYSICAL CAPACITIES AND FATIGABILITY OF OVERWEIGHT WOMEN Semmisse, S. et al [Canada]

MO-PM15-7
CHANGES IN MUSCLE HARDNESS ASSESSED BY ULTRASOUND ELASTOGRAPHY AFTER REPEATED ECCENTRIC EXERCISE Lau, W.Y. et al [Australia]

MO-BN04 BM Balance & Stability

LECTURE ROOM: E102
Chair(s):
de Haan, A. [Netherlands]
Klass, M. [Belgium]

MO-BN04-1
THE AGE DIFFERENCE ON THE RELIABILITY WHILE MEASURING POSTURAL SWAY WITH QUIET STANDING Lo, P.Y. et al [Taiwan]

MO-BN04-2
LOWER SATELLITE CELL CONTENT PARTLY EXPLAINS BLUNTED HYPERTROPHIC RESPONSE IN OLD MICE, BUT IS NOT ALLEViated BY RESVERATROL Ballak, S. et al [United Kingdom]

MO-BN04-3
THE EFFECT OF AEROBIC FITNESS STATUS ON THE PHYSIOLOGICAL RESPONSES TO INCREMENTAL RAMP EXERCISE Boone, J. et al [Belgium]

MO-BN04-4
THE EFFECT OF SPORT SPECIALIZATION IN JUDO AND KAYAK ON TRUNK STABILITY Barbado, D. et al [Spain]

MO-BN04-5
INVESTIGATION OF SUBJECT INDEPENDENT MOVEMENT PARAMETERS IN PROFESSIONAL POOL BILLIARD Kornfeld, P. et al [Austria]

MO-BN04-6
EFFECTS OF AGE ON INHIBITION AND FACILITATION IN THE PRIMARY MOTOR CORTEX-<M1> DURING STANDING Négyesi, J. et al [Hungary]

MO-BN04-7
NEUROMUSCULAR AND KINEAMIC BEHAVIOUR IN RESPONSE TO EXTERNALLY APPLIED PERTURBA- TION – EFFECT OF DIRECTION, AMPLITUDE AND VELOCITY Freyler, K. et al [Germany]

MO-BN04-8
EFFECTS OF AGE ON INHIBITION AND FACILITATION IN THE PRIMARY MOTOR CORTEX-<M1> DURING STANDING Négyesi, J. et al [Hungary]
ECSS Amsterdam 2014 - The Netherlands, 2-5 July
Mini-Oral Presentations

STUDY
Haithu, B. et al (Kosovo)

MO-PM19 TT Strength Training
LECTURE ROOM: E105-106
Chair(s):
Nosaka, K. (Australia)
Raastad, T. (Norway)

MO-PM19-1
EFFECTS OF CONCURRENT ENDURANCE AND CIRCUIT RESISTANCE TRAINING SEQUENCE ON AEROBIC AND ANAEROBIC POWER
MANAZHAGU, D. (India)

MO-PM19-2
ACUTE EFFECT OF LOCAL VIBRATORY TRAINING ON BENCH PRESS PERFORMANCE
Timon, R. et al (Spain)

MO-PM19-3
EFFECTS OF TWO DIFFERENT STRENGTH CIRCUIT SCHEMES ON MAXIMAL STRENGTH OF NORMAL TRAINED PEOPLE
Kreuzporinier, F. et al (Germany)

MO-PM19-4
EFFECTS OF FULL AND PARTIAL RANGE OF MOTION TRAINING ON STRENGTH, POWER, AND BODY COMPOSITION CHANGES IN UNTRAINED MEN
Liu, G.L. et al (Taiwan)

MO-PM19-5
ACUTE MUSCLE DAMAGE DIFFERENCES BETWEEN LOW- AND HIGH-VOLUME IN STRENGTH EXERCISE
Pinto, M.D. et al (Brazil)

MO-PM19-6
OPTIMISATION OF STRENGTH TRAINING IN PRE-COMpetition PERIOD IN ELITE FEMALE WRESTLERS
Iliev, I. et al (Bulgaria)

MO-PM20 Thermoregulation 2
LECTURE ROOM: E107
Chair(s):
Levels, K. (Netherlands)
Kenney, W. (United States)

MO-PM20-1
THE EFFECTS OF CRASHED ICE INGESTION FOR ENDURANCE CYCLING PERFORMANCE IN HEAT ENVIRONMENT
Nito, T. (Japan)

MO-PM20-2
THE EFFECT OF ENVIRONMENTAL TEMPERATURE ON TIME MOTION CHARACTERISTICS OF SOCCER PLAYERS IN THE AUSTRALIAN LEAGUE
Jarose de Jonge, K. et al (Australia)

MO-PM20-3
WHAT HAPPENS IN THE BRAIN DURING RECOVERY FROM EXHAUSTIVE CYCLING IN THE HEAT?
De Pauw, K. et al (Belgium)

MO-PM20-4
THE EFFECT OF GLUTAMINE ON INTESTINAL HEAT SHOCK PROTEIN-72 EXPRESSION AND INTESTINAL PERMEABILITY FOLLOWING EXHAUSTIVE RUNNING
Ong, M.L.Y. et al (Australia)

MO-PM20-5
EFFECTS OF SCHOOL-BASED EXERCISE AND NUTRITION PROGRAM ON OBESITY PREVALENCE AND BODY FAT IN OVERWEIGHT CHILDREN
Coelho, E. et al (Portugal)

MO-PM20-6
COMPILATION OF DAILY PHYSICAL ACTIVITY RECOMMENDATIONS AND ABDOMINAL OBESITY IN PRESCHOOL CHILDREN
Silva dos Santos, S. et al (Portugal)

MO-PM20-7
PHYSIOLOGICAL RESPONSES TO COLD WATER IMERSION APNEA AFTER SHORT INTENSIVE EXERCISE
Konstantinidou, S. et al (Greece)

MO-PM20-8
PHYSIOLOGICAL RESPONSES TO COLD WATER IMERSION APNEA AFTER SHORT INTENSIVE EXERCISE
Konstantinidou, S. et al (Greece)

MO-PM21 HF Physical Activity in Children 2
LECTURE ROOM: E108
Chair(s):
McKay, H. (Canada)
Wilders, C. (South Africa)

MO-PM21-1
PROJECT PANK: RATIONALE, DESIGN AND BASELINE RESULTS OF A MULTIDISCIPLINARY SCHOOL-BASED INTERVENTION IN CHILDREN WITH CARDIOVASCULAR AND METABOLIC RISK FACTORS. A RANDOMIZED CONTROLLED TRIAL
Bataou, R. et al (Portugal)

MO-PM21-2
MAY BE USED THE WHOLE BODY BIOMEDICINE METHOD LIKE A TOOL FOR AN ASSESSMENT OF CHILDREN’S OVERWEIGHT AND OBESITY?
Bunc, V. et al (Czech Republic)

MO-PM21-3
LONGITUDINAL STUDY ON THE EFFECTS OF SPORTS CLUB PARTICIPATION IN YOUNG CHILDREN ON BMI, COGNITIVE AND MOTOR PERFORMANCE
Augste, C. (Germany)

MO-PM21-4
THE QUALITY PERCEPTION OF 2012 WORLD INDOOR ATHLETICS CHAMPIONSHIPS
Şimşek, K. (Turkey)

MO-PM21-5
DETERMINING THE CONSUMER’S SATISFACTION LEVEL IN THE FACILITIES WHERE LEISURE ACTIVITIES ARE ARRANGED IN PUBLIC CORPORATION: ESKİŞEHIR MUNICIPALITY SAMPLE
Şimşek, K.Y. et al (Turkey)

MO-PM21-6
BRAND LOYALTY AND SPORTS PRODUCTS BRAND PREFERENCES OF STUDENTS ATTENDING UNIVERSITY OF WOLLONGONG
Luccetti, C. et al (Italy)

MO-PM21-7
THE SELF IMAGE. COMPARISON OF YOUNG, PARENT AND OBJECTIVE REALITY
Luccetti, C. et al (Italy)

MO-PM21-8
THE PHYSIOLOGICAL RESPONSES OF SOFT ICELAND IN CHILDREN
Panackova, M. et al (Czech Republic)

MO-PM21-9
THE SELF IMAGE. COMPARISON OF YOUNG, PARENT AND OBJECTIVE REALITY
Luccetti, C. et al (Italy)

MO-BN06 Physical Education, Motor Skills & Dance
LECTURE ROOM: G109
Chair(s):
Chin A Paw, M. (Netherlands)

MO-BN06-1
AN INTERVENTION TO INCREASE FUNDAMENTAL MOVEMENT SKILL – FMS – MASTERY IN PRIMARY SCHOOL CHILDREN
Bryant, E. et al (United Kingdom)

MO-BN06-2
RELIEF OF MABC-2 FOR PRESCHOOL CHILDREN
Serbetar, I. et al (Croatia)

MO-BN06-3
EVALUATION OF THE IMPACT OF SMOKEFREE SPORTS – A NOVEL PHYSICAL ACTIVITY INTERVENTION TO PREVENT SMOKING IN 9-10 YEAR OLD CHILDREN
Foweather, L. et al (United Kingdom)

MO-BN06-4
FUNDAMENTAL MOTOR SKILL PROFICIENCY OF SINGAPOREAN CHILDREN AT LOWER PRIMARY SCHOOL LEVEL
Mukherjee, S. et al (Singapore)

MO-BN06-5
THE EFFECT OF GLUTAMINE ON INTESTINAL HEAT SHOCK PROTEIN-72 EXPRESSION AND INTESTINAL PERMEABILITY FOLLOWING EXHAUSTIVE RUNNING
Ong, M.L.Y. et al (Australia)

MO-BN06-6
MOTOR FITNESS SCORES AND CORRELATES OF MOTOR FITNESS IN PRIMARY SCHOOL CHILDREN IN THE NETHERLANDS
Collard, D. et al (Netherlands)

MO-BN06-7
THE PHYSIOLOGICAL RESPONSE OF SPORT CLIMBING IN CHILDREN
Panackova, M. et al (Czech Republic)

MO-BN06-8
THE PHYSIOLOGICAL RESPONSE OF SPORT CLIMBING IN CHILDREN
Panackova, M. et al (Czech Republic)

MO-BN06-9
RELIABILITY OF MABC-2 FOR PRESCHOOL CHILDREN
Serbetar, I. et al (Croatia)

MO-BN06-10
THE PHYSIOLOGICAL RESPONSE OF SPORT CLIMBING IN CHILDREN
Panackova, M. et al (Czech Republic)

MO-BN06-11
THE PHYSIOLOGICAL RESPONSE OF SPORT CLIMBING IN CHILDREN
Panackova, M. et al (Czech Republic)

MO-BN06-12
MOTOR FITNESS SCORES AND CORRELATES OF MOTOR FITNESS IN PRIMARY SCHOOL CHILDREN IN THE NETHERLANDS
Collard, D. et al (Netherlands)

MO-BN06-13
THE SELF IMAGE. COMPARISON OF YOUNG, PARENT AND OBJECTIVE REALITY
Luccetti, C. et al (Italy)

MO-BN06-14
THE PHYSIOLOGICAL RESPONSE OF SPORT CLIMBING IN CHILDREN
Panackova, M. et al (Czech Republic)

MO-BN06-15
THE PHYSIOLOGICAL RESPONSE OF SPORT CLIMBING IN CHILDREN
Panackova, M. et al (Czech Republic)

MO-BN06-16
THE PHYSIOLOGICAL RESPONSE OF SPORT CLIMBING IN CHILDREN
Panackova, M. et al (Czech Republic)

MO-BN06-17
THE SELF IMAGE. COMPARISON OF YOUNG, PARENT AND OBJECTIVE REALITY
Luccetti, C. et al (Italy)

MO-BN06-18
THE PHYSIOLOGICAL RESPONSE OF SPORT CLIMBING IN CHILDREN
Panackova, M. et al (Czech Republic)
MO-BN06-9
IMPLEMENTATION AND STAGING FROM THE PERSPECTIVE OF OBSERVING MOVEMENT, AS INTERPRETED FROM DANCE TEACHERS’ LANGUAGE
Yamazaki, A. et al (Japan)

MO-SH07 Sport & Motivation
LECTURE ROOM: G110
Chair(s):
Guast, M. [Denmark]
Elferink-Gemser, M. [Netherlands]

MO-SH07-1
USING DIFFERENT INDICES OF CHANGE TO UNDERSTAND ACHIEVEMENT MOTIVATION IN PHYSICAL EDUCATION
Warburton, V.E. et al (United Kingdom)

MO-SH07-2
GOAL ORIENTATION, INTRINSIC MOTIVATION AND EXERTED EFFORT
Mehus, I. et al (Norway)

MO-SH07-3
IS STRESS A POTENTIAL MECHANISM IN A MOTIVATIONAL FIT-SITUATION?
Schwab, S. [Germany]

MO-SH07-4
ANALYZING THE CORRELATION OF MOTIVATIONAL CLIMATE AND ACHIEVEMENT GOALS OF AMATEUR FOOTBALL PLAYERS
Bal, E. et al (Turkey)

MO-SH07-5
THE DEVELOPMENT OF SELF-REGULATORY SKILLS IN YOUTH: THE SIGNIFICANCE OF SPORTS AND ACADEMICS
Jonker, L. et al (Netherlands)

MO-SH07-6
CONGRUENCE BETWEEN COACH AND ATHLETE PERCEPTIONS OF AUTONOMY SUPPORT AND GOAL STRUCTURE ACROSS TRAINING AND COMPETITION IN INDIVIDUAL AND TEAM SPORTS
van de Pol, P. et al (Netherlands)

MO-SH07-7
PROMOTING WELL-BEING AND A HEALTHY LIFESTYLE THROUGH SATISFACTION OF BASIC PSYCHOLOGICAL NEEDS IN YOUTH FOOTBALL: A LONGITUDINAL STUDY
Fabro, P. et al (Spain)

MO-SH07-8
IMPORTANCE AND RELATIONSHIP BETWEEN THE BASIC PSYCHOLOGICAL NEEDS AND THE “REFLECTION” IN ELITE ACADEMY SOCCER PLAYERS
Chamorro, J. L. et al (Spain)

MO-SH07-9
ESC PROJECT: THE INFLUENCE OF STRANGERS IN PHYSICAL ACTIVITY PROMOTION: A RANDOMIZED PILOT TRIAL
Gonçalves, R. et al (Portugal)
Mini-Oral Presentations

Thursday, July 3rd, 2014

14:00 - 15:00 Slot A

MO-PM22 Exercise & Muscle Metabolism

Lecture Room: Auditorium

Chair(s): Linnamo, V. [Finland] Ritzmann, R. [Germany]

MO-PM22 Exercise & Muscle Metabolism

PHYSIOLOGICAL AND PERFORMANCE RESPONSES TO 120-MINUTES OF SOCCER-SPECIFIC EXERCISE
Harper, L.D. et al [United Kingdom]

RELATIVE FUNCTIONAL BUFFER CAPACITY INDICATES FATIGUE RESISTANCE DURING REPEATED SPRINTS
Mahler, H. et al [Germany]

SKELETAL MUSCLE FAST MYOSIN INCREASES IN SERUM AFTER MAXIMAL CONCENTRIC-ECCENTRIC INITIAL EXERCISE
Carmona, G. et al [Spain]

RESISTANCE TRAINING INCREASES SKELETAL MUSCLE OXIDATIVE CAPACITY AND NET INTRA-MUSCULAR TRIGLYCERIDE BREAKDOWN IN TYPE I AND II FIBRES OF SEDENTARY MALES
Shepherd, S. et al [United Kingdom]

INHIBITION OF BRAIN GLUTAMINE SUPPRESSION INCREASES ENDURANCE PERFORMANCE: A PHYSIOLOGICAL ROLE OF BRAIN GLUTAMINE
Omuro, H. et al [Japan]

CORRELATION BETWEEN SKELETAL MUSCLE LIPID CONTENT AND INSULIN SENSITIVITY IN HUMAN MALES
Kristensen, M. et al [Denmark]

EFFECTS OF HABITUAL EXERCISE AND DIET RESTRICTION ON THE EXPRESSION OF HEPATIC CAROTENE-PLASMA-COA TRANSFERASE-1 IN ZUCKER FATTY RATS
Kurikose, Y. et al [Japan]

MO-PM23 Vascular Biology

Lecture Room: Emerald

Chair(s): Wüst, R. [Netherlands] Myachy, M. [Japan]

DISTINCT IMPACTS OF BLOOD FLOW AND TEMPERATURE ON CUTANEOUS MICROVASCULAR ADAPTATION
Carter, H. et al [Australia]

LOCAL TEMPERATURE-SENSITIVE MECHANISMS, INDEPENDENT OF SYSTEMIC RESPONSES, MEDiate INCREASES IN LIMB TISSUE PERFUSION IN THE RESTING AND EXERCISING HEAT-STRESSED HUMAN
Pietke, O. et al [Germany]

MO-PM24 TT High Intensity Interval Training

Lecture Room: E102

Chair(s): Williams, M. [United Kingdom] Draper, N. [United Kingdom]

EFFECTS OF HIGH INTENSITY TRAINING ON SPECIFIC PERFORMANCE RELATED PARAMETERS IN YOUNG FEMALE BASKETBALL PLAYERS
Sperlich, P.F. et al [Germany]

MO-BN07 Biomechanics

Lecture Room: Forum

Chair(s): Linnamo, V. [Finland] Ritzmann, R. [Germany]

LIGHTWEIGHT RACING SHOES IMPROVE 5-KM RUNNING PERFORMANCE, RUNNING ECONOMY AND ALTER RUNNING BIOMECHANICS IN TRAINED RUNNERS
Fuller, J. et al [Australia]

EFFECTS OF DIFFERENT SURGICAL METHODS OF ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION ON KNEE JOINT FUNCTION
Ma, Y.B. et al [Japan]

EARLY IDENTIFICATION OF THE FALLING RISK IN PARRISON’S DISEASE
Moreno Cano, M. et al [Germany]

NEUROMUSCULAR AND KINEMATIC ANALYSIS OF JUMPS AND LANDINGS ON STABLE AND UNSTABLE SURFACES
Pietke, O. et al [Germany]

MO-BN08 Motor Control & Learning 1

Lecture Room: G012

Chair(s):
Thursday, July 3rd, 2014

MO-PM25 Age-related Physiology

LECTURE ROOM: G103

Chair(s): Nosaka, K. [Australia]
Hortobagyi, T. [Netherlands]

MO-PM26-1

ANAEPOBIC POWER IN PUBLERTAL FOOTBALL PLAYERS: THE DIFFERENCE BETWEEN TRAINED AND UNTRAINED SUBJECTS

Mendes, J. et al. [Portugal]

MO-PM25-2

EFFECTS OF TRAINING ON METABOLIC DEMANDS AFTER 12 WEEKS OF VIGOROUS TRAINING PROGRAM IN A RANDOMIZED GROUP OF OVER65 YRS

Migliaccio, G.M. et al. [Italy]

MO-PM25-3

SOLE PARAMETERS OF 5TH GRADE CHILDREN IN NEPAL

Uedo, K. et al. [Japan]

MO-PM25-4

EFFECTS OF COMBINED EXERCISE TRAINING ON SOLUBLE INFLAMMATORY MARKERS IN ELDERS

Jung, H.H. et al. [Japan]

MO-PM25-5

NON-RECIPROCAL INHIBITION IN THE REGULATION OF THE VOLUNTARY MOVEMENT IN PERSONS OF DIFFERENT AGE

Chelnokov, A. [Russia]

MO-PM25-6

EFFECTS OF TRANSIENT CARDIOLOCOMOTOR COUPLING ON GAS EXCHANGE AND MUSCLE DEOXYGENATION DURING TREADMILL EXERCISE: A PRELIMINARY OBSERVATION IN AN ELDERLY SUBJECT

Nizzički, K. et al. [Japan]

MO-PM25-7

ENDURANCE TRAINING AUGMENTS HEMATOPOIESIS IN AGED BONE MARROW

Iacono, C. et al. [Canada]

MO-PM25-8

THE RATING OF PERCEIVED EXERTION IN ANAEROBIC THRESHOLD INTENSITY IS SIMILAR IN CYCLE AND TREADMILL EXERCISE

Buccchi, D.R. et al. [Brazil]

MO-SH08 Sport Statistics & Analysis 1

LECTURE ROOM: G104

Chair(s): Baltzopoulos, B. [United Kingdom]
Sampaio, J. [Portugal]

MO-SH08-10

EXAMINING THE GENDER DIFFERENCES OF SCORING SKILLS PERFORMANCE IN HIGH LEVEL VOLLEYBALL GAMES

Chang, C. et al. [Taiwan]

MO-SH09 Physical Education & Pedagogics

LECTURE ROOM: G105

Chair(s): Baltzopoulos, B. [United Kingdom]
Sampaio, J. [Portugal]

MO-SH09-1

THE PERFORMANCE EFFECT OF CENTRALISING A NATION’S ELITE SWIM PROGRAMME

Allen, S.V. et al. [New Zealand]

MO-SH09-2

THE INFLUENCE OF TEACHING BEHAVIOR OF PHYSICAL EDUCATION ON LEARNING ATTITUDE IN MIDDLE AND HIGH SCHOOL STUDENTS

Hwang, Y. et al. [Korea, South]

MO-SH09-3

THE SUBJECT OF PHYSICAL EDUCATION AND HEALTH – IN SCHOOL AND TEACHER EDUCATION

Ekberg, J. [Sweden]

MO-SH09-4

THE PATTERN OF THE CONFLICT MANAGING CULTURE OF JUNIOR CLASS FOOTBALL COACHES

Németh, Z. [Hungary]

MO-SH09-5

IDENTIFICATION OF CONFLICTS CAUSED BY STUDENTS DIAGNOSED WITH ADHD IN PHYSICAL EDUCATION: PROJECT DESIGN

Labrador Roça, V. et al. [Spain]

MO-SH09-6

THE SWEDISH RIDING SCHOOL – FROM A CHILD AND YOUTH PERSPECTIVE

Thorell, G. et al. [Sweden]

MO-SH09-7

ENDURANCE TRAINING AUGMENTS HEMATOPOIESIS IN AGED BONE MARROW

Iacono, C. et al. [Canada]

MO-SH09-8

THE INFLUENCE OF SCORING FROM THE NET ON GAME RESULT IN PADEL

Cañas, J. et al. [Spain]

MO-SH09-9

THE RATING OF PERCEIVED EXERTION IN ANAEROBIC THRESHOLD INTENSITY IS SIMILAR IN CYCLE AND TREADMILL EXERCISE

Buccchi, D.R. et al. [Brazil]
Mini-Oral Presentations

MO-BN09 Motor Control & Learning 2

LECTURE ROOM: G107
Chair(s): Raab, M. [Germany] Mann, D. [Netherlands]

MO-BN09-1
IS CHUNKING THE EXPLANATION FOR THE BENEFITS OF ANALOGY INSTRUCTIONS IN LEARNING? Zamani Sani, S.H. et al [Iran]

MO-BN09-2
CONTEXTUAL INTERFERENCE AND DIFFERENTIAL LEARNING COMPARED IN A GRIP-FORCE-REPRODUCTION TASK. Hegen, P et al [Germany]

MO-BN09-3
OBSERVATIONAL LEARNING OF A BASEBALL PITCH WHICH KIND OF INFORMATION IS EXTRACTED? Ghorbani, S et al [Germany]

MO-BN09-4
IMPLICIT MOTOR LEARNING IN YOUTH ELITE SOCCER PLAYERS Verbrugh, L et al [Netherlands]

MO-BN09-5
EXAMINING THE ROLES OF CONSCIOUS MOTOR PROCESSING AND MOVEMENT SELF-CONSCIOUSNESS IN PERFORMANCE OF A GRIP-PUTTING TASK Malhotra, N et al [Hong Kong]

MO-BN09-6
VERBAL OVERSHADOWING CAUSES A PROCESSING SHIFT IN INDIVIDUALS WITH LOW BUT NOT HIGH CONSCIOUS CONTROL OF THEIR MOVEMENTS Uiga, L et al [Hong Kong]

MO-BN09-7
THE EFFECT OF ERRORLESS VERSUS ERRORFUL LEARNING ON GENERALIZED MOTOR PROGRAM LEARNING AND PARAMETERIZATION LEARNING Van Ginneken, W.F. et al [Hong Kong]

MO-BN09-8
A MOBILE SYSTEM TO INVESTIGATE PUTTING KINETICS IN MOTOR LEARNING Jensen, U et al [Kemmy]

MO-BN09-9
THE EFFECTS OF CONTEXTUAL INTERFERENCE WITH CONSTANT, INCREASING AND DECREASING VELOCITIES ON ACQUISITION, RETENTION AND TRANSFER OF COINCIDENCE ANTICIPATION TASKS Zamani Sani, S.H et al [Iran]

MO-PM27 TT General
LECTURE ROOM: E103
Chair(s): Matlufiati, N. [Switzerland] Buscò Sañont-Tria, B. [Spain]

MO-PM27-1
MOTOR ABILITIES OF THE HAND IN JUDO AND KICK-BOXING ATHLETES Karalel, S et al [Serbia]

MO-PM27-2
DEVELOPMENT OF AEROBIC CAPACITY IN SWIMMERS - CRITERIA FOR THE PRESCRIPTION AND CONTROL OF SETS ORIENTED TOWARDS BASIC AEROBIC INTENSITY Cunha, P et al [Portugal]

MO-PM27-3
TECHNICAL-TACTICAL ANALYSIS OF ELITE MALE KICKBOXING Sanchezu Affaro, S.P et al [Italy]

MO-PM27-4
COMPARISON OF THE APPLIED 2 MIN MODIFIED LABORATORY TEST IN THE GYMNASTICS DISCIPLINES DURING PREPARATORY PERIOD Galeva, M. et al [Bulgaria]

MO-PM27-5
PHYSICAL CHARACTERISTICS OF RECREATIONAL FEMALE GYMNASTS. A FOLLOW UP STUDY Moustogianis, A et al [Greece]

MO-PM27-6
EXPLORING THE RELATIONSHIP BETWEEN FUNCTIONAL MOVEMENT COMPETENCE, STROKE TECHNIQUE AND COMPETITIVE SWIMMING PERFORMANCE IN BOTH ELITE AND AMATEUR SWIMMERS Oguz, H et al [South Africa]

MO-PM27-7
ANALYSIS OF THE ENTRY SPEED IN THE SWIMMING START Caspari, M et al [Italy]

MO-PM28 SM Upper Body Related Activity
LECTURE ROOM: E104
Chair(s): Sandbakk, Ø. [Norway] Huijing, P. [Netherlands]

MO-PM28-1
THE DIFFERENCES OF MUSCLE COLLABORATION AROUND THE SHOULDER AT VARIOUS POSITIONS AND VELOCITIES IN BASEBALL PLAYERS Ko, H.T. et al [Taiwan]

MO-PM28-2
COMPARED TO LASER WATI CAPACITY AND THERMAL DEVICES IN THE REHABILITATION OF INJURED ELBOW <GOLFER ELBOW> AND RESTORE STRENGTH AND RANGE OF MOTION TO THE PLAYERS Javineu Mohammed, W. et al [Iraq]

MO-PM28-3
TRUNK MUSCLES ACTIVITY DURING PIVOT MOVEMENT Akee, U et al [Japan]

MO-PM28-4
EFFECTS OF TRANSVERSE ABDOMINAL MUSCLE ACTIVITY HAS ON THE ACTIVITY OF THE ERECTOR SPINAE IN TRUNK EXTENSION Iizuka, S et al [Japan]

MO-PM28-5
HIP AND TRUNK NEUROMUSCULAR TRAINING TO REDUCE RISK OF ACL INJURY IN SPORT RESPONDERS AND NON-RESPONDERS IN ELITE FEMALE TEAM SPORT ATHLETICS Wer, G.J et al [Australia]

MO-PM28-6
THE EVALUATION OF RUNNING ECONOMY IN ABOVE LT INTENSITY RUNNING Tanji, F et al [Japan]

MO-PM28-7
ASSESSMENT OF PHYSICAL PREPAREDNESS LEVELS IN CROSSFITTERS Volkov, V et al [Russia]

MO-PM29 TT Endurance Exercise 2
LECTURE ROOM: E105-106
Chair(s): van der Ploeg, L. et al [Netherlands] McNarry, M. [United Kingdom]

MO-PM29-1
THE EFFECTS OF RESPIRATORY MUSCLE TRAINING IN ACUTE EXACERBATION COPD PATIENTS Simi, H. et al [Austria]

MO-PM29-2
SPRINT ORIENTEERING: TEST RUNNING ON AN INDOOR COURSE, IN THE FIELD AND IN THE LABORATORY Gullstrand, L et al [Sweden]

MO-PM29-3
SIMILAR RELATIVE AEROBIC CONTRIBUTION IN HIGH INTENSITY RUNNING AND CYCLING Li, Y et al [Germany]

MO-PM29-4
THE FEASIBILITY AND RELIABILITY OF PHYSICAL FITNESS TESTS IN CHILDREN WITH A MODERATE TO SEVERE INTELLECTUAL DISABILITY Wouters, M et al [Netherlands]

MO-PM29-5
PHYSIOLOGICAL FACTORS AFFECTING PERFORMANCE IN ROWING Miller, T.F et al [Russia]

MO-PM29-6
PERFORMANCE CHANGES IN ROWERS AFTER TRAINING AIMING FOR IMPROVEMENT OF THE INDIVIDUAL PHYSIOLOGICAL PROFILE ESTIMATED BY FIVE PERFORMANCE TRIALS IN FOUR DAYS Jensen, K et al [Denmark]

MO-PM30 Health & Fitness
LECTURE ROOM: E107
Chair(s): van der Ploeg, H. et al [Netherlands] McNarry, M. [United Kingdom]

MO-PM30-1
THE EVALUATION OF BREATHTING FUNCTION TESTS BY SWIMMERS AND BY ACADEMIC LEVEL BLOWING INSTRUMENT USERS Koparan, Ş. et al [Turkey]

MO-PM30-2
EXAMINING THE ROLES OF CONSCIOUS MOTOR PROCESSING AND MOVEMENT SELF-CONSCIOUSNESS IN PERFORMANCE OF A GRIP-PUTTING TASK Malhotra, N et al [Hong Kong]

MO-PM30-3
EXPLORING THE RELATIONSHIP BETWEEN FUNCTIONAL MOVEMENT COMPETENCE, STROKE TECHNIQUE AND COMPETITIVE SWIMMING PERFORMANCE IN BOTH ELITE AND AMATEUR SWIMMERS Oguz, H et al [South Africa]
Thursday, July 3rd, 2014

MO-PM30-6
EFFECTS OF A SIX-MONTH EXERCISE INTERVENTION PROGRAMME ON ASPECTS OF BODY COMPOSITION IN PATIENTS WITH RHEUMATOID ARTHRITIS <85A>
Stamou, O. et al [Greece]

MO-PM30-7
CLINICAL MARKERS OF BODY COMPOSITION AND BODY FAT DISTRIBUTION ARE RELATED WITH CARDIAC AUTONOMIC CONTROL IN NARLD PATIENTS
Pimenta, N. et al [Portugal]

MO-PM30-8
RENAI FUNCTION IN TRANSPLANT RECIPIENTS COMPARE TO HEALTHY SUBJECTS AFTER A MARATHON CYCLING
Tori, V. et al [Italy]

MO-PM31-9
EFFECT OF A NEUROMUSCULAR DENTISTRY-DESIGNED MOUTHGUARD ON SPINT PERFORMANCE
Fischer, H. et al [Germany]

MO-PM31 Physical activity
LECTURE ROOM: E108
Chair(s):
van Poppel, M. [Netherlands]
de Geus, B. [Belgium]

MO-PM31-1
PATTERNS OF OBJECTIVELY MEASURED PHYSICAL ACTIVITY AND SEDENTARY TIME IN SOUTH ASIAN WOMEN
Bobakus, C. et al [United Kingdom]

MO-PM31-2
THE VIDEO TRACKING INTER-RATER RELIABILITY TEST OF OUTDOOR FITNESS EQUIPMENT USERS BEHAVIOR
Ryzhov, M. et al [Taiwan]

MO-PM31-3
EFFECTS OF INCREASED PHYSICAL ACTIVITIES OF DAILY LIVING ON POSTTRAUMATIC URETHRA IN POSTMENORPAUSAL WOMEN
Edamoto, K. et al [Japan]

MO-PM31-4
LIFESTYLE, HEALTH HABITS AND RISK FACTORS AMONG YOUNG ADULT AT QATAR UNIVERSITY
Al Nakeeb, Y. et al [Qatar]

MO-SH10 Sport Statistics & Analysis 2
LECTURE ROOM: G109
Chair(s):
Zernovka, E. [Slovakia]

MO-SH10-1
CHARACTERISTICS OF SPINT MOTIONS FOR ELEMENTARY SCHOOL CHILDREN
Tatsumi, J. et al [Japan]

MO-SH10-2
A STUDY OF MORPHOLOGICAL EVALUATION OF SPINT MOTION FOR ELEMENTARY SCHOOL CHILDREN
Kokudo, S. et al [Japan]

MO-SH10-3
ITEM ANALYSIS OF TOE GRIP FOR PRESCHOOL-AGED CHILDREN
Ikekio, T. et al [Japan]

MO-SH10-4
GOALKEEPING IN FOOTBALL: FAST OR SLOW, HOW TO DECIDE?
Vincen, A. et al [Portugal]

MO-SH10-5
RELATIVE AGE EFFECT – A STUDY OF NORWAYS, SWEDISHS AND PORTUGALS U17, U19, U21 AND ADULT TEAM
Hamnvik Saglev, E. et al [Norway]

MO-SH10-6
REVEALING RACE PATTERNS IN IRONMAN TRIATHLON USING PRINCIPAL COMPONENT ANALYSIS
Krieger, J.P. [Switzerland]

MO-SH10-7
RELATIONSHIPS BETWEEN RACING PARAMETERS AND PERFORMANCE OF ELITE FEMALE 800-M FREESTYLE SWIMMERS
Lapiska, P. et al [Poland]

MO-SH10-8
ANALYSIS OF RACE TIMINGS FOR MEN'S, WOMEN'S AND MIXED CREW DRAGON BOAT AT THE 27TH SOUTHEAST ASIAN GAMES
Tan, C.S. et al [Singapore]

MO-BN10 BM Injury Prevention
LECTURE ROOM: G109
Chair(s):
Verhagen, E. [Netherlands]
Schwinden, H. [Austria]

MO-BN10-1
JUMPING ACCELEROMETER STUDY OF ELITE HANDBALL FEMALE ATHLETES WITH OR WITHOUT PREVIOUS ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION
Selaun, I. et al [Spain]

MO-BN10-2
THE EFFECT OF ANKLE TAPING IN THE JOINT LOADING DURING JUMPING AND LANDING
Lung, Y.R. et al [Taiwan]

MO-BN10-3
THE MUSCLE ACTIVATION CHANGE DURING JUMPING AND LANDING AFTER ANKLE TAPING
Chen, W.H. et al [Taiwan]

MO-BN10-4
BIOMECHANICAL FACTOR OF THE AGESPECIFICITY IN THE INCIDENCE OF SEVER'S DISEASE
Hashizume, S. et al [Japan]

MO-BN10-5
DOES THE KINESIO TAPING HELP TO RECOVER AFTER DELAYED ONSET MUSCLE SORNESS ON WRIST EXTENSOR MUSCLES?
Tsung Yeh, C. et al [Taiwan]

MO-BN10-6
THE EFFECTS OF OBLIQUE TAPING ON MUSCLE ENDURANCE OF DEEP NECK FLEXORS FOR SUBJECTS WITH FORWARD HEAD POSTURE
Lee, B.K. et al [Korea, South]

MO-BN10-7
ANALYSIS OF THE PSYCHOLOGICAL STATE OF RUNNERS IN THE SÃO PAULO INTERNATIONAL MARATHON
Sierra, W. et al [Brazil]

MO-SH11-1
THE COMPARISON OF PHYSICAL SELF-CONCEPT AMONG SEX & ACTIVE/INACTIVE STUDENTS
Fathirezaie, Z. et al [Iran]

MO-SH11-2
ANALYZING THE CORRELATION BETWEEN SELF-ESTEEM AND ATTITUDE OF 25 YEAR OLD AND YOUNGER PARTICIPANTS DOING EXERCISE
Bingol, E. et al [Turkey]

MO-SH11-3
CHANGES IN THE ACUTE RECOVERY AND STRESS SCALE DURING A HIGH-INTENSIVE TRAINING PERIOD IN WELL-TRAINED CYCLISTS
Feistenauer, C. et al [Germany]

MO-SH11-4
ANALYSIS OF THE PSYCHOLOGICAL STATE OF RUNNERS IN THE SÃO PAULO INTERNATIONAL MARATHON
Sierra, W. et al [Brazil]

MO-SH11-5
THE COMPARISON OF PHYSICAL SELF-CONCEPT AMONG SEX & ACTIVE/INACTIVE STUDENTS
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ANALYZING THE CORRELATION BETWEEN SELF-ESTEEM AND ATTITUDE OF 25 YEAR OLD AND YOUNGER PARTICIPANTS DOING EXERCISE
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MO-SH11-7
ANALYZING THE CORRELATION BETWEEN SELF-ESTEEM AND ATTITUDE OF 25 YEAR OLD AND YOUNGER PARTICIPANTS DOING EXERCISE
Bingol, E. et al [Turkey]

MO-SH11-8
THE EFFECTS OF KINESIO TAPING ON MUSCLE ENDURANCE OF DEEP NECK FLEXORS FOR SUBJECTS WITH FORWARD HEAD POSTURE
Lee, B.K. et al [Korea, South]

MO-SH11-9
ANALYSIS OF STATIC SPINE ANGLES IN DIFFERENT HANDLEBAR POSITIONS IN TRIATHLON WITH RESPECT TO BACK PAIN
Felt, D. et al [Germany]

MO-SH11-10
ANALYSIS OF THE PSYCHOLOGICAL STATE OF RUNNERS IN THE SÃO PAULO INTERNATIONAL MARATHON
Sierra, W. et al [Brazil]
Thursday, July 3rd, 2014

15:00 – 16:00 Slot B

**MO-PM32 Exercise, Nutrition & Metabolism**

**LECTURE ROOM: AUDITORIUM**
Chair(s):
Boreham, C. [Ireland]
Flouris, A. [Greece]

**MO-PM32-1 [YIA]**
LEPTIN RECEPTOR MOLECULAR VARIANTS ARE DIFFERENTLY REGULATED BY EXERCISE AND ENERGY DEFICIT IN HUMAN SKELETAL MUSCLE
Pérez Suárez, I. et al [Spain]

**MO-PM32-2 [YIA]**
INCREASING DIETARY PROTEIN INTAKE DOES NOT PRESERVE LEAN BODY MASS DURING CALORIC RESTRICTION IN OVERWEIGHT MIDDLE-AGED TO ELDERLY PEOPLE
Backx, E. et al [Netherlands]

**MO-PM32-3 [YIA]**
EFFECTS OF NITRATE SUPPLEMENTATION ON AEROBIC PERFORMANCE IN SUBJECTS WITH DIFFERENT FITNESS LEVEL
Ramaglia, M. et al [Italy]

**MO-PM32-4 [YIA]**
ASSOCIATION OF ACTN3, CRTN AND PTK2 WITH SKELETAL MUSCLE PHENOTYPES IN UNTRAINED MALES
Stebbings, G.K. et al [United Kingdom]

**MO-PM32-5 [YIA]**
DOSE-RESPONSE RELATIONSHIP OF ENDOG-ENOUS ERYTHROPOIETIN IN RESPONSE TO AN ACUTE HYPOXIC EXPOSURE
Turner, G. et al [United Kingdom]

**MO-PM32-6 [YIA]**
NEUROMUSCULAR AND KINEMATIC ADAPTATION IN RESPONSE TO A PERTURBATION-BASED BAL-ANCE TRAINING
Krause, A. et al [Germany]

**MO-PM32-7 [YIA]**
DELAYED RESPIRATORY COMPENSATION ABOVE A GIVEN LACTATE THRESHOLD INDICATES IMPROVED 1000M RUNNING PERFORMANCE
Heyde, C. [Germany]

**MO-PM32-8 [YIA]**
WHOLE-BODY CRYOTHERAPY INTERCOURSING PHYSIOLOGICAL REACTIONS AND EFFECTS ON RECOVERY OF RUNNING PERFORMANCE
Krueger, M. et al [Germany]

**MO-PM32-9 [YIA]**
INFLUENCE OF POST-EXERCISE HYPOXIC EXPO-SURE ON HEPATIN RESPONSE IN ATHLETES
Badenhorst, C.E. et al [Australia]

**MO-BN11 Neuromuscular Physiology**

**LECTURE ROOM: FORUM**
Chair(s):
Nasok, K. [Australia]
Enoka, R. [United States]

**MO-BN11-1 [YIA]**
EFFECTS OF TRANSCRANIAL DIRECT CURRENT STIMULATION ON NEUROMUSCULAR FATIGUE
Abdelmonou, A. et al [Belgium]

**MO-BN11-2 [YIA]**
FASCICLE BEHAVIORS DURING ISOMETRIC CONTRACTION DIFFER BETWEEN VASTUS LATERALIS AND VASTUS INTERMEDIUS
Ando, R. et al [Japan]

**MO-BN11-3 [YIA]**
IS STRENGTH OF ANKLE MUSCLES RELATED TO POSTURAL INSTABILITY?
Collogni, T. et al [France]

**MO-BN11-4 [YIA]**
EGG SPECTRAL PARAMETERS ASSOCIATED WITH CORTICAL CONTROL OF CONTINUOUS BALANCE TASKS
Hülssdünker, T. et al [Germany]

**MO-BN11-5 [YIA]**
PRESYNAPTIC INHIBITION OF IA AFFERENTS DOES NOT VARY WITH SWAY POSITION AND DIRECTION DURING UPRIGHT STANDING
Johannson, J. et al [Belgium]

**MO-BN11-6 [YIA]**
NEUROMUSCULAR AND KINEMATIC ADAPTATION IN RESPONSE TO A PERTRUPTION-BASED BAL-ANCE TRAINING
Krause, A. et al [Germany]

**MO-BN11-7 [YIA]**
NEUROMUSCULAR FATIGUE FOLLOWING MAXIM-AL VOLUNTARY versus IMAGINED CONTRAC-TIONS
ROZAND, V. et al [France]

**MO-BN11-8 [YIA]**
NEUROMUSCULAR FATIGUE FOLLOWING MAXI-MAL VOLUNTARY versus IMAGINED CONTRAC-TIONS
ROZAND, V. et al [France]

**MO-BN11-9 [YIA]**
ACTIVATING MUSCLES FROM PRE-ACTIVATION TO MVC
Penasso, H [Austria]

**MO-PM33 Physical Disabilities & Activity**

**LECTURE ROOM: EMERALD**
Chair(s):
Vanlandewick, Y. [Belgium]
Buffart, L. [Netherlands]

**MO-PM33-1 [YIA]**
NUTRITION AND VELOCITY MEASUREMENT IN SPANISH NATIONAL TEAM WIELCHAIR BASKET- BALL PLAYERS
Graus, I. et al [Spain]

**MO-PM33-2 [YIA]**
BODY COMPOSITION ASSESSMENT IN WHEEL-CHAIR ATHLETES
Cavedon, V. et al [Italy]

**MO-PM33-3 [YIA]**
COMPARISON OF CARDIOVASCULAR ADAPTATION TO WORKLOADS ON A FOOTBALL TEAM AT THE BEGINNING AND END OF PRESEASON BY THE
MCGNON INDEX
Dominguez, J. et al [Mexico]

**MO-PM33-4 [YIA]**
EFFECTS OF A PROGRAM OF VIGOROUS TRAIN-ING AND 8 WEEKS OF DETRAINING IN A GROUP OF OVER 65
Fois, F. et al [Italy]

**MO-PM34 Physical Activity & Exercise Training**

**LECTURE ROOM: G102**
Chair(s):
Maffi  uletti, N. [Switzerland]
Draper, N. [United Kingdom]

**MO-PM34-1 [YIA]**
INVESTIGATING PHYSICAL ACTIVITY IN CHILDREN AND YOUNG PEOPLE WITH INTELLIGENCE DIS-ABILITIES USING OBJECTIVE METHODS
Downs, S.J. et al [United Kingdom]

**MO-PM34-2 [YIA]**
GREAT STRENGTH GAIN WITHOUT PAIN FOLLOWING DOWNHILL WALKING TRAINING
Maeso, S. et al [Japan]

**MO-PM34-3 [YIA]**
THE POTENTIAL CONTRIBUTION OF ACTIVE VIDEO GAMING IN INCREASING ADHERENCE TO PHYS-ICAL ACTIVITY GUIDELINES
Mackintosh, K. et al [United Kingdom]

**MO-PM34-4 [YIA]**
GENDER DIFFERENCES IN ISOLATED UPPER-BODY POULING AMONG PERFORMANCE-MATCHED CROSS-COUNTRY SKIERS
Mynheer, K. et al [Netherlands]

**MO-PM34-5 [YIA]**
EFFECTS OF NONSPECIFIC ENDURANCE TRAINING ON SPECIFIC PERFORMANCE IN INLINER SPEED-SKATING
Hildebrand, C. et al [Germany]

**MO-PM34-6 [YIA]**
ENHANCING PERFORMANCE IN ELITE WATER POLO PLAYERS: DRY-LAND TRAINING, IN-WATER TRAINING, AND COMBINED TRAINING
Ramos Veliz, R. et al [Spain]

**MO-PM34-8 [YIA]**
ON THE ORIGINS OF ORGANIZED SPORTS MEDI-CINE IN SWITZERLAND
Colombani, P.C. et al [Switzerland]

**MO-BN12 BM Muscle Function**

**LECTURE ROOM: G002**
Chair(s):
Maas, H. [Netherlands]
Ritzmann, R. [Germany]

**MO-BN12-1 [YIA]**
CONCENTRIC TORQUE-VELOCITY REALTIONSHP OF THE ELBOW FLEXORS AND EXTENSORS IN HEALTHY FEMALES
Kanelov, I. et al [Bulgaria]

**MO-BN12-2 [YIA]**
GREAT STRENGTH GAIN WITHOUT PAIN FOLLOWING DOWNHILL WALKING TRAINING
Maeso, S. et al [Japan]

**MO-BN12-3 [YIA]**
THE POTENTIAL CONTRIBUTION OF ACTIVE VIDEO GAMING IN INCREASING ADHERENCE TO PHYS-ICAL ACTIVITY GUIDELINES
Mackintosh, K. et al [United Kingdom]

**MO-BN12-4 [YIA]**
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Mynheer, K. et al [Netherlands]

**MO-BN12-5 [YIA]**
EFFECTS OF NONSPECIFIC ENDURANCE TRAINING ON SPECIFIC PERFORMANCE IN INLINER SPEED-SKATING
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**MO-BN12-6 [YIA]**
ENHANCING PERFORMANCE IN ELITE WATER POLO PLAYERS: DRY-LAND TRAINING, IN-WATER TRAINING, AND COMBINED TRAINING
Ramos Veliz, R. et al [Spain]

**MO-BN12-7 [YIA]**
ON THE ORIGINS OF ORGANIZED SPORTS MEDI-CINE IN SWITZERLAND
Colombani, P.C. et al [Switzerland]

**MO-BN12-8 [YIA]**
CONCENTRIC TORQUE-VELOCITY REALTIONSHP OF THE ELBOW FLEXORS AND EXTENSORS IN HEALTHY FEMALES
Kanelov, I. et al [Bulgaria]
MO-BN12-3  THE ROLE OF EMG ACTIVITY AND ELASTIC ENERGY REUSE IN THE KNEE EXTENSOR MUSCLES DURING CONCENTRIC CONTRACTIONS
Dueto, M. et al [Brazil]

MO-BN12-4  RELIABILITY OF HUMAN VASTUS LATERALIS FASCICLE LENGTH MEASUREMENTS USING A SEM-AUTOMATIC TRACKING ALGORITHM APPLIED TO ULTRASONIC IMAGES
Maraliger, R. et al [Germany]

MO-BN12-5  INFLUENCE OF COFFEE ON PARTICULAR NEUROMUSCULAR PROPERTIES – A PILOT STUDY
Höther, P. et al [Australia]

MO-BN12-6  SENSITIVITY OF THE FORCE-VELOCITY RELATIONSHIP OF LEG EXTENDORS OBTAINED FROM LOADED AND UNLOADED VERTICAL JUMPS
Janc., S. [United States]

MO-BN12-7  HARDNESS COMPARISON OF TISSUE-MIMICKING MATERIALS MEASURED USING DIFFERENT TYPES OF MUSCLE-HARDNESS METERS
Murayama, M. et al [Japan]

MO-BN12-8  GASTROCNEMIUS STRUCTURE AND SPECIFIC TENSION IN CLAUDICANTS WITH PERIPHERAL ARTERIAL DISEASE
O’Brien, D. et al [United Kingdom]

MO-BN12-9  INDIVIDUAL DIFFERENCES IN MUSCLE ACTIVATION DURING SOMATOTYPE MOVEMENTS WITH DIFFERENT LOADS
Thaller, S. et al (Australia)

MO-PM35 Nutrition & Body Composition
LECTURE ROOM: G103
Chair(s):
Coombes, J. [Australia]
Klass, M. [Belgium]

MO-PM35-1  BODY COMPOSITION CHANGES AND ENERGY COST OF RUNNING IN AMATEUR ATHLETES
Tocco, F. et al [Italy]

MO-PM35-2  ERRORS IN THE ESTIMATION OF BODY COMPOSITION INDUCED BY HYDROLYSIS
Rodriguez, N. et al [United Kingdom]

MO-PM35-3  NUTRITIONAL KNOWLEDGE AND ATTITUDES TOWARDS HEALTHY EATING OF COLLEGE-GOING MALE ATHLETES OF HARRIYANA STATE
Rathvee, B. [India]

MO-PM35-4  ANALYSIS OF BODY COMPOSITION AND SOMATOYPE HIGH PERFORMANCE TO PLAYERS OF FOOTBALL CLUB PACHUCA
Lopez Roldan, A. et al [Mexico]

MO-PM35-5  PREDICTION OF MUSCULAR FATIGUE FROM PHYSIOLOGICAL MEASUREMENTS IN JUMPING GRANDEUR
Polidoro, D. et al [Italy]

MO-PM35-6  IMPORTANCE OF CONSUMPTION OF FRESH AND PROCESSED MEAT ON MUSCULAR FUNCTION IN ATHLETES
Castrillo, B. et al [Spain]

MO-SH12-1  THE QUIET EYE AND TASKS DEMANOS: DO TOUGHER SHOTS NEED A QUIETER EYE?
Walters-Symons, R. et al [United Kingdom]

MO-SH12-2  INTERPERSONAL MECHANISMS EXPLAINING THE TRANSFER OF WELL- AND ILL-BEING IN COACH-ATHLETE DYNAMICS
Stebbings, J. et al [United Kingdom]

MO-SH12-3  THE RELATIONSHIP BETWEEN PLAYER OFF-FIELD LIFE AND ON-FIELD ENGAGEMENT
Holz, M. et al [Australia]

MO-SH12-4  INFLUENCE OF “ACOUSTIC AND VISUAL PACESSETS” ON PERFORMANCE
Tecci, D. et al [Italy]

MO-SH12-5  ASSESSING BIOLOGICAL MATUREY IN YOUTH FOOTBALL - PSYCHOMETRIC PROPERTIES OF THE MATUREY OFFSET-PROTOCOL
Voller, A. et al [Germany]

MO-SH12-6  WHAT IS THE TEMPORAL BODY?
Hohenova, A. [Czech Republic]

MO-SH12-7  EXTERNAL FOCUS OF ATTENTION ENHANCES MOVEMENT AUTOMATIZATION
Kol, E. et al [Netherlands]

MO-SH12-8  INVESTIGATING THE EFFECTS OF IMAGERY PRACTICE TO SKILLS DEVELOPMENT FOR THE BRANCH OF VOLLEYBALL PLAYERS
Elci, G. et al [Turkey]

MO-SH12-9  INVESTIGATE THE EFFECTS OF IMAGERY PRACTICE TO SKILLS DEVELOPMENT FOR THE BRANCH OF VOLLEYBALL PLAYERS
Elci, G. et al [Turkey]

ECSS Amsterdam 2014 - The Netherlands, 2-5 July
Mini-Oral Presentations

MO-BN13-2
THE EFFECT OF REAL TIME FEEDBACK ON VELOCITY FLUCTUATIONS IN STEADY STATE ROWING
Lintmeijer, L.L. et al [Netherlands]

MO-BN13-3
THE SIMON PARADIGM IN A THROWING TASK: THE QUIET EYE INHIBITS INTERFERENCES
Klostermann, A. et al [Switzerland]

MO-BN13-4
OPTIMAL USE OF VISUAL INFORMATION IN ADOLESCENTS WITH DEVELOPMENTAL COORDINATION DISORDER
de Olivera, R.F. et al [United Kingdom]

MO-BN13-5
VISUAL SEARCH STRATEGIES IN SOCCER PLAYERS EXECUTING A POWER VS. PLACEMENT PENALTY KICK
Tinnis, M. et al [United Kingdom]

MO-BN13-6
RELATIONSHIP BETWEEN MOTOR DEVELOPMENT, WEIGHT STATUS AND MOTOR COORDINATION PROFICIENCY
Issoriel, J. et al [Ireland]

MO-BN13-7
INTERACTING CONSTRAINTS SHAPE EMERGENT DECISION-MAKING OF REFEREES
Renshaw, I. et al [Australia]

MO-BN13-8
PROCESSING CONDITIONS DURING PRACTICE AND OPTIMISING SKILL ACQUISITION
Uj, M. et al [United Kingdom]

MO-PM37 TT Overseas Sports
LECTURE ROOM: E103
Chair(s):
Baltzopoulos, B. [United Kingdom]
Buscà Safont-Tria, B. [Spain]

MO-PM37-1
THE PHYSIOLOGICAL PROFILE OF MALE TEAM HANDBALL PLAYERS: WHAT DOES IT TAKE TO PLAY AT THE ELITE LEVEL?
Michalsik, L.B. et al [Denmark]

MO-PM37-2
THE RELATIONSHIP BETWEEN GENERAL AND GAME BASED PERFORMANCE IN TEAM-HANDBALL
Kim, B. et al [Japan]

MO-PM38-2
SINGLE-LEG LANDING STABILIZATION TIMES IN SUBJECTS WITH FUNCTIONALLY UNSTABLE ANKLES
Kunugi, S. [Japan]

MO-PM38 SM Lower Body Related Activity
LECTURE ROOM: E104
Chair(s):
Gerrits, K. [Netherlands]
Geurts, D. [Germany]

MO-PM38-1
ACHILLES TENDINOPATHY REQUIRES DIFFERENT MANAGEMENT IN REACTIVE VS DEGENERATIVE STAGE: A RANDOMIZED TRIAL OF 2 PHYSICAL THERAPIES ASSOCIATED TO A DIETARY SUPPLEMENT CONTAINING MUCOPOLYSACCHARIDES
Baliius, R. et al [Spain]

MO-PM38-3
ELECTROMYOGRAPHIC ACTIVITY OF ANKLE MUSCLES DURING LATERAL HOPPING
Masunari, A. [Japan]

MO-PM38-4
ISOKINETIC KNEE EVALUATION IN REHABILITATION CONTROL, CASE REPORT
Piqueras, C. et al [Spain]

MO-PM38-5
THE PLANITARIS TENDON AND THE PERITENDONOUS CONNECTIVE TISSUE IN MIDPORTION – STUDY ON INNERVATION AND SIGNALING SUBSTANCES
Spang, C. et al [Sweden]

MO-PM38-6
THE PLANTARIS TENDON AND THE PERITENDINOSUS CONNECTIVE TISSUE IN MIDPORTION – STUDY ON INNERVATION AND SIGNALING SUBSTANCES
Spang, C. et al [Sweden]

MO-PM38-7
THE PLANTARIS TENDON AND THE PERITENDINOSUS CONNECTIVE TISSUE IN MIDPORTION – STUDY ON INNERVATION AND SIGNALING SUBSTANCES
Spang, C. et al [Sweden]

MO-PM39 Vascular Physiology
LECTURE ROOM: E105-106
Chair(s):
George, K. [United Kingdom]
Carter, H. [Australia]

MO-PM39-1
DIFFERENCES IN FIRE FIGHTER FITNESS AND PERFORMANCE RELATED TO AGE
Willford, H. et al [United States]

MO-PM39-2
CENTRAL HEMODYNAMIC CHARACTERISTICS OF CROSS-COUNTRY SKIERS 15-17 YEARS OLD
Alimpieva, O. et al [Russia]

MO-PM39-3
THE RELATIONSHIP BETWEEN WAIST CIRCUMFERENCE AND PHYSICAL FITNESS STATUS AS HEALTH PREDICTORS ACROSS ELDERLY LIFESPAN
Silva, J.E. et al [Portugal]

MO-PM39-4
THE AGE-RELATED CHANGES ON MUSCLE STRENGTH AND CARDIORESPIRATORY FITNESS. FROM SEPTUAGENARIAN TO NONAGENARIANS
Costa, N.M.C. et al [Portugal]

MO-PM39-5
THE EFFECT OF SIMULATED ALTITUDES ON REPEAT SPRINT PERFORMANCE IN TEAM SPORT ATHLETES
Ono, K. et al [Japan]

MO-PM39-6
THE EFFECT OF ISCHEMIC PRECONDITIONING ON REPEATED SPRINT CYCLING PERFORMANCE
Patterson, S.D. et al [United Kingdom]

MO-PM40 HF Ageing
LECTURE ROOM: E107
Chair(s):
McKay, H. [Canada]
Stathi, A. [United Kingdom]

MO-PM40-1
THE AGE-RELATED CHANGES ON MUSCLE STRENGTH AND CARDIORESPIRATORY FITNESS, FROM SEPTUAGENARIAN TO NONAGENARIANS
Costa, N.M.C. et al [Portugal]

MO-PM40-2
THE RELATIONSHIP BETWEEN WAIST CIRCUMFERENCE AND PHYSICAL FITNESS STATUS AS HEALTH PREDICTORS ACROSS ELDERLY LIFESPAN
Silva, B. et al [Portugal]

MO-PM40-3
EVALUATION OF ANTHROPOMETRIC CHARACTERISTICS OF FEMALE IN DIFFERENT AGE GROUPS IN LATVIA
Plavina, L. et al [Latvia]

MO-PM40-4
THE INTERNATIONAL CLASSIFICATION OF FUNCTIONING, DISABILITY AND HEALTH <ICF> AND PHYSICAL ACTIVITY QUESTIONNAIRES FOR THE ELDERLY – AN ANALYSIS OF CONTENT
Lange, M. et al [Germany]

MO-PM40-5
HEALTH AND BEHAVIORAL CHARACTERISTICS AS PREDICTORS FOR THE CONTINUITY OF PARTICIPATION IN PHYSICAL FITNESS CHECKUPS AMONG COMMUNITY-LIVING OLDER PEOPLE IN JAPAN
Kozakai, R. et al [Japan]

MO-PM40-6
HYPOTENSION AFTER ENDURANCE EXERCISE AT ALTITUDE
Saito, Y. et al [Japan]

MO-PM40-7
SHEFFIELD HALLAM STAFF WELLNESS SERVICE: FOUR YEAR FOLLOW-UP OF THE IMPACT ON HEALTH INDICATORS
Carter, A. et al [United Kingdom]

MO-PM41 HF Health
LECTURE ROOM: E108
Chair(s):
Proper, K. [Netherlands]
Brown, W. [Australia]

MO-PM41-1
THE EFFECTS OF SWIMMING ON THE BLOOD PRESSURE OF MIDDLE-AGED HYPERTENSIVE INDIVIDUALS
Silva, J.E. et al [Portugal]

MO-PM41-2
SHEFFIELD HALLAM STAFF WELLNESS SERVICE: FOUR YEAR FOLLOW-UP OF THE IMPACT ON HEALTH INDICATORS
Carter, A. et al [United Kingdom]
MO-PM41-3
WALK@WORK SPAIN: PREDICTORS OF SITTING TIME REDUCTIONS IN OFFICE EMPLOYEES
Bort Roig, J. et al [Spain]

MO-PM41-4
HEALTHY WORKFORCE PROJECT: FEASIBILITY AND USE OF A STAND-UP WORKSTATION FOR REDUCING WORKPLACE SITTING TIME
Graves, L.E.F. et al [United Kingdom]

MO-PM41-5
HEALTH PROMOTION IN DUTCH AND GERMAN SMALL AND MIDDLE SIZE COMPANIES: CRITICAL FACTORS FOR SUCCESSFULLY IMPROVING PHYSICAL ACTIVITY LEVELS
Wollesen, B. et al [Denmark]

MO-PM41-6
EFFECTS OF TWO WEEKS OF STATIN TREATMENT ON MITOCHONDRIAL RESPIRATION IN HEALTHY MIDDLE-AGED MALES
Larsen, S. et al [Denmark]

MO-PM41-7
EFFECT OF CENTRAL ARTERIAL STIFFNESS ON ACUTE STRETCHING EXERCISE IN YOUNG MEN
Yamato, Y. et al [Japan]

MO-PM41-8
CHANGES IN BLOOD LIPID AND MOOD STATE AND THEIR ASSOCIATION WITH TRAINING LOAD DURING MILITARY BASIC TRAINING PERIOD
Tanskanen, M. et al [Finland]

MO-SH14 Talent & Career Development
LECTURE ROOM: G110
Chair(s):
Raab, M. [Germany]
Renshaw, I. [Australia]

MO-SH15-1
THE ONTARIO HOCKEY LEAGUE DRAFT: DOES BIRTHPLACE AFFECT DRAFT SUCCESS?
Wattie, N. et al [Canada]

MO-SH15-2
CALIBRATE YOUR JUDGMENT! HOW TO IMPROVE FAIRNESS CRITERIA IN SUBJECTIVE SERIAL TALENT EVALUATIONS
Fasold, F. et al [Germany]

MO-SH15-3
THE IMPORTANCE OF PSYCHOLOGICAL CONSTRUCTS FOR TRAINING VOLUME AND PERFORMANCE IMPROVEMENT: A STRUCTURAL EQUATION MODEL FOR YOUTH SPEED SKATERS
Elferink Gemser, M.T. et al [Netherlands]

MO-SH15-4
COLLEGE EXPERIENCE AND CAREER BARRIER AMONG STUDENT-ATHLETES: INFLUENCES OF ATHLETIC IDENTITY AND SELF-EFFICACY
Huang, C.J. et al [Taiwan]

MO-SH15-5
THE ACADEMIC SUCCESS OF FLEMISH STUDENT-ATHLETES
De Brandt, K. et al [Belgium]

MO-SH15-6
DOES BIRTH DATE PREDICT CAREER LENGTH IN PROFESSIONAL SPORT?
Steingröver, C. et al [Germany]

MO-SH15-7
DROPOUT DILEMMA: TOWARDS A BETTER UNDERSTANDING OF YOUTH SPORT DISENGAGEMENT
Brito, J. et al [Qatar]
Mini-Oral Presentations

Friday, July 4th, 2014

14:00 – 15:00 Slot A

MO-PM42 NU Ergogenic Supplements 2

Lecture Room: Auditorium

Chair(s): Verdijk, L. [Netherlands]
Helge, J. [Denmark]

MO-PM42-1
Sodium bicarbonate ingestion augments post-Alpha expression during recovery from intense interval exercise in human skeletal muscle
Pericil, M. E. et al. [Canada]

MO-PM42-2
Citrus Aurantium enhances neither blood flow, microvascular circulation, nor myobrindle lar protein synthesis in elderly men at rest or following resistance exercise
Churchward Venne, T. A. et al. [Canada]

MO-PM42-3
Nitrate supplementation with beetroot juice before repeated sprint bouts
Lipski, M. et al. [Germany]

MO-PM42-4
Nitrate supplementation, exercise and kidney functions: any detrimental effects?
Stragier, S. et al. [Belgium]

MO-PM42-5
Effects of acute ingestion of P-synephrine on sprinters’ performance
Gutiérrez Hellín, J. et al. [Spain]

MO-PM42-6
Effectiveness of phytotonic supplementation on significant physiological factors of the endurance
Alaes, L. [Cyprus]

MO-PM42-7
Branch chain amino acids and arginine improve performance in two consecutive days of simulated handball games in male and female athletes
Chong, C. K. et al. [Taiwan]

MO-PM42-8
Effect of #9914-alanine-induced parasympathetic in competitive cyclists
Bellinger, P. et al. [Australia]

MO-PM42-9
Effects of a nutritional supplement on maximum strength in resistance trained males.
Kosmontakis, M. et al. [United Kingdom]

MO-PM42-10
The effects of 6-month vegetarian diet on creatine, creatinine and carnitine
Baguet, A. et al. [Belgium]

MO-BN15 Muscle Strength

Lecture Room: Forum

Chair(s):
Maas, H. [Netherlands]
Enoka, R. [United States]

MO-BN15-1
Biceps femoris long head myosin heavy chain isoform composition and knee flexion maximal and explosive strength: evidence
Del Rosso, P. et al. [United Kingdom]

MO-BN15-2
The influence of contraction type and acceleration on explosive muscle fibre performance
Tillen, N. A. et al. [United Kingdom]

MO-BN15-3
Effects of static stretching on flexibility and muscle hardness assessed by ultrasound elastography
Inami, T. et al. [Australia]

MO-BN15-4
Sex related differences in motor unit recruitment and discharge rates: implications for steadiness
Larocque, K. et al. [Canada]

MO-PM43 TT Clinical 2

Lecture Room: Emerald

Chair(s):
Quist, M. [Denmark]
Wackerhage, H. [United Kingdom]

MO-PM43-1
Can the Acsm’s classification for exercise intensities be applied in hemato logical cancer patients receiving allogeneic stem cell transplantation
Kuehl, R. et al. [Germany]

MO-PM43-2
Correlation between leisure-time exercise and quality of life in breast cancer survivors
Calsam, S. et al. [Spain]

MO-BN16 8M Jumping & Squatting

Lecture Room: G002

Chair(s):
Bobbert, M. [Netherlands]
Blazevich, A. [Australia]

MO-BN16-1
Age-related difference in shock attenuating ability of children
Kino Mizumura, M. et al. [Japan]

MO-BN16-2
Effects of three different preliminary movement patterns before jumping in the jump performance
Shin, J. M. et al. [Korea, South]

MO-BN16-3
Comparison between first and second landing for different vertical drop jump
Kulmle, J. et al. [Germany]

MO-BN15-5
Neuromuscular dysfunctions in patients with chronic groin pain – systematic review
Kloskowski, P. et al. [United Kingdom]

MO-BN15-6
Stance stability control in girls with idiopathic scoliosis
Imhof, K. et al. [Switzerland]

MO-BN15-7
Characteristics of a specialized test in jumping endurance with volleyball players
Yordanov, P. et al. [Bulgaria]

MO-BN15-8
Critical power testing in the field
Karsten, B. et al. [United Kingdom]

MO-BN15-9
Comparative jumping performance profile in professional team sport athletes
Peña, J. et al. [Spain]

MO-BN15-10
Anatomical and neuromuscular mechanisms influencing inter-individual variability in maximum knee extensor torque
Trejise, J. et al. [Australia]

MO-PM44 TT Strength & Power

Lecture Room: E102

Chair(s):
Ott, S. [Norway]
Olafsson, M. [Iceland]

MO-PM44-1
Exponential function modeling of alpine skier explosive power endurance tests
Hoshino, H. et al. [Japan]

MO-PM44-2
Comparing walking program on land and in water and simple advice in patient with low back pain
Asadi, K. et al. [Iran]

MO-PM44-3
Relationships among sprint velocities, vertical ground reaction force, and isokinetic knee strength variables
Suzovic, D. et al. [Serbia]

MO-PM44-4
Optimal force-velocity profiles in elite athletes
Giroux, C. et al. [France]

MO-PM44-5
Effect of intermittent judo test on upper limbs strength performance
Montero, L. et al. [Portugal]

MO-PM44-6
Counter movement jump performance in 12-14 years old boys and girls, the influence of different sport events
Petritis, L. [Greece]

MO-PM44-7
Relationships among sprint velocities, vertical ground reaction force, and isokinetic knee strength variables
Stragier, S. et al. [Belgium]

MO-PM44-8
Characteristics of a specialized test in jumping endurance with volleyball players
Yordanov, P. et al. [Bulgaria]

MO-PM44-9
Critical power testing in the field
Karlsten, B. et al. [United Kingdom]

MO-PM44-10
The effects of a 6-month vegetarian diet on carnosine, creatine and carnitine
Baguet, A. et al. [Belgium]

MO-PM44-11
Relationships among the muscle strength properties as assessed through SST and ACMC Tests
Kale, M. et al. [Turkey]

MO-PM44-12
Anatomical and neuromuscular mechanisms influencing inter-individual variability in maximum knee extensor torque
Komi, P. et al. [Finland]

MO-PM44-13
Comparison of walking program on land and in water and simple advice in patient with low back pain
Asadi, K. et al. [Iran]

MO-PM44-14
The influence of contraction type and acceleration on explosive muscle fibre performance
Tillen, N. A. et al. [United Kingdom]

MO-PM44-15
Effects of static stretching on flexibility and muscle hardness assessed by ultrasound elastography
Inami, T. et al. [Australia]

MO-PM44-16
Sex related differences in motor unit recruitment and discharge rates: implications for steadiness
Larocque, K. et al. [Canada]

MO-PM44-17
Developemental difference between hand and foot grip strengths is children to college students
Fukuioka, R. et al. [Japan]
Friday, July 4th, 2014

14:00 - 15:00

Tasks: Implication in Injury Risk Prevention
Cordonnier, C. (Belgium)

MO-BN16-4
Effects of Acute Static Stretching on Mechatro-Morphological Parameters and Jump Performance
Stoiladi, S. et al (Australia)

MO-BN16-5
Estimates of Leg Stiffness and Joint Stiffness During Low-Load Pyrometrics
Grisbrook, T.L et al (Australia)

MO-BN16-6
Validity of Tri-Axial Accelerometry for Monitoring Back Squat Repetition Quality
Nicholson, G. et al (United Kingdom)

MO-BN16-7
Bilateral Squat Asymmetry in Surfing Athletes
Lundgren, L. et al (Australia)

MO-BN16-8
Does a Single Leg Squat Test Provide an Insight into Neuromuscular Control During More Dynamic Sporting Movements? Marshall, B. et al (Ireland)

MO-BN16-9
A Novel Approach to Biomechanical Analysis of the Knee During Squatting
Djordjevic, S. et al (Slovenia)

MO-BN16-10
The Influence of Chain-Loaded Resistance on Subsequent 1-RM Free-Weight Squat Performance
Mina, M.A. et al (United Kingdom)

MO-PM45 Vitamins & Minerals

Lecture Room: G103
Chair(s): Wardenaar, F. (Netherlands) Bowtell, J. (United Kingdom)

MO-PM45-1
The Effect of Acute and Chronic Magnesium Supplementation on a 40 KM Cycle Time Trial and 24 Hour Recovery on Non-Motivating Adults
Poera, J.T. et al (United Kingdom)

MO-PM45-2
Changes in Expression of Zn Transporters and in Superoxide Dismutase Activity in Zn-Supplemented High Performance Handball Players
Melina Lopez, J. et al (Spain)

MO-PM45-3
Vitamin and Mineral Supplement Intake Reported by Dutch Athletes
Ceelen, I. et al (Netherlands)

MO-PM45-4
Mirroring Exercise Training, Ginsenoside Rg3 Improves Cardiac Mitochondrial Population Quality
Sun, M. (China)

MO-PM45-5
The Effects of Bovine Colostrum Supplementation on In Vivo Cell-Mediated Immune Response Following Prolonged Exercise
Jones, A.W. et al (United Kingdom)

MO-PM45-6
Iron Status and Hepcidin Response to a Seven Day Training Period of Running or Cycling
Sim, M. et al (Australia)

MO-PM45-7
Hypovitaminosis D in Young Athletes from the Middle East and Seasonal Variations
Nikolovski, Z. et al (Qatar)

MO-SH16 Coaching 1

Lecture Room: G104
Chair(s): Sanchez, X. (Netherlands)

MO-SH16-1
Norwegian Football Academy Players - Assessing Personal Skills as a Result of Self-Organised Training
Søtho, S.A. et al (Norway)

MO-SH16-2
Content and Pedagogical Frameworks Conceptualising the Coach as Educator
Culpan, I. et al (New Zealand)

MO-SH16-3
Does a Strong Athletic Identity Need to be Exclusive? The Case of Elite Australian Football Players
Soudan, J. et al (Australia)

MO-SH16-4
The Video Analysis as Teaching Tool in Archery Youth
Napolitano, S. et al (Italy)

MO-SH16-5
One Perspective of Golf in Portugal
Brito, A.P. et al (Portugal)

MO-SH16-6
Coaches’ Perceptions of the Benefits of Using Performance Speed to Determine Training Zones for Surf Lifesaving Competition
Reddan, O. (Germany)

MO-SH16-7
Improving Tactical Coaching Abilities in Soccer
Cordes, O. (Germany)

MO-SH17 Exercise Psychology

Lecture Room: G105
Chair(s): Raab, M. (Germany)

Ando, S. (Japan)

MO-SH17-1
Acute Exercise and Fitness Modulate Cognitive Function Improvement in Older Adults
Chu, C. et al (Taiwan)

MO-SH17-2
Prolonged Exercise Behavior Does Not Retard the Actual Academic Achievement
Nakajima, T. et al (Japan)

MO-SH17-3
Analysis of Clinical Exercise Programs in the Treatment of Clinical Depression Randomized Controlled Trials
Carneiro, L. et al (Portugal)

MO-SH17-4
Effects on Mood and Sleep Quality of the Elderly in the Digital Oriential Qigong Exercises Intervention
Cheng, C.M. et al (Taiwan)

MO-SH17-5
Is Peripheral Visual Perception Vulnerable to Strenuous Exercise?
Ando, S. et al (Japan)

MO-SH17-6
Visual Search, Exercise and Physical Fitness Level
Lllorens, F. et al (Spain)

MO-SH17-7
Swimming and Intelligence: A Study Between Swimmers and Sedentary People
Garcia, O. et al (Spain)

MO-PM46 TT Injury Prevention

Lecture Room: G106
Chair(s): Gemkts, K. (Netherlands) Gehring, D. (Germany)

Ando, S. (Japan)

MO-PM46-1
Asymmetry in Rate of Force Development Following Anterior Cruciate Ligament Reconstruction
Miricov, D.M. et al (Serbia)

MO-PM46-2
A Pilot Study for the Prevention of Lower Limbs Injuries in Youth Female Basketball Players
Benis, R. et al (Italy)

MO-PM46-3
Strength Ratios of Specific Muscle Groups in Male Elite Athletes with Different Training Backgrounds
Petzer, T. et al (Germany)

MO-PM46-4
Acute Effect of Kinesio-Taping on 6-S Maximal Cycling Sprints in Healthy Active People
Trecroci, A. et al (Italy)

MO-PM46-5
Correlation of Conventional and Functional Knee Strength Ratios in Elite Soccer Players
Pinto, R. et al (Brazil)

MO-PM46-6
Angle Kinesio-Taping Does Not Improve Postural Control in Asymptomatic Subjects
Boogs, C. et al (Belgium)

MO-PM46-7
Importance of Quantitative Return-to-Field Criteria
Schwartz, C. et al (Belgium)

MO-PM46-8
Neuromuscular Control and Adapative Mechanisms After Anterior Cruciate Ligament Rupture: A Case Report
Melloni, M. et al (Brazil)

MO-BN17 Motor Control & Learning 4

Lecture Room: G107
Chair(s): Mierau, A. (Germany) Schwameder, H. (Austria)

MO-BN17-1
Age is Just a Number; Maturity in Movement is a Choice
O’Brien, W. et al (Ireland)

MO-BN17-2
Effect of Practice Soccer Juggling with Different Sized Balls Upon Performance and Transfer to Ball Reception
Råstad, O. (Norway)

MO-BN17-3
Effect of Acute Exercise and Fitness on Cognitive Function Improvement in Older Adults
Peters, I. et al (France)

MO-BN17-4
Are Adolescents as Good as They Think? Discrepancy Between Perceived Motor Competence and Fundamental Movement Skills Proficiency
McCran, B. et al (Ireland)

MO-BN17-5
One Perspective of Golf in Portugal
Brito, A.P. et al (Portugal)

MO-BN17-6
The Effect of Acute and Chronic Magnesium Supplementation on a 40 KM Cycle Time Trial and 24 Hour Recovery on Non-Motivating Adults
Poera, J.T. et al (United Kingdom)

MO-BN17-7
Short Time Effects of Task Variations on Club Head Kinematics in Golf Putting
Schmidt, M. et al (Germany)

ECSS Amsterdam 2014 - The Netherlands, 2-5 July 57
Mini-Oral Presentations

MO-BN17-6
PERFORMANCE AND COMPLEXITY IN BALANCE TASK DEPENDING ON SPORT SKILL LEVEL AND AGE
Moreno, F. et al [Spain]

MO-BN17-7
OBSERVATIONAL ASSESSMENT OF FUNDAMENTAL MOVEMENT SKILL PROFICIENCY IN PRESCHOOL CHILDREN
Sasaki, R. et al [Japan]

MO-PM49 Cardiovascular Physiology
LECTURE ROOM: E105-106
Chair(s):
George, K. [United Kingdom]
Carter, H. [Australia]

MO-PM49-1
THE EFFECTS OF GRAVITY ACCELERATION ON AUTONOMIC CONTROL IN RESTING HUMANS
Fontolle, T. et al [Switzerland]

MO-PM49-2
THE EFFECTS OF SQUARE-STEPPING EXERCISE ON PHYSICAL FUNCTION IN OLDER WOMEN WITH AND WITHOUT COGNITIVE DECLINE
Abe, T. et al [Japan]

MO-PM50 HF Aging Exercise
LECTURE ROOM: E107
Chair(s):
van der Ploeg, H. [Netherlands]
Hortobagyi, T. [Netherlands]

MO-PM50-1
THE EFFECT OF TAI CHI ON POSTURAL STABILITY AMONG ELDERLY MEN WITH DIZZINESS
Maciaszek, J. et al [Poland]

MO-PM50-2
EFFECT OF A LIFESTYLE INTERVENTION PROGRAM ON PHYSICAL ACTIVITY LEVEL AND STEP COUNTS IN OLDER LATINA WOMEN
Sebastiao, E. et al [United States]

MO-PM51 HF Training
LECTURE ROOM: E108
Chair(s):
Sandbakk, Ø [Norway]
Perret, C. [Switzerland]

MO-PM51-1
IMPACT OF HIGH INTENSITY INTERVAL TRAINING <HIIT> AND / OR SELENIUM <SE> SUPPLEMENTATION ON OXIDATIVE STRESS AND ANTIOXIDANT STATUS IN ACTIVE FEMALES
Keane, K. et al [Sweden]

MO-PM51-2
THE DYNAMICAL INTERRELATIONS OF ECG DURING PHYSICAL LOAD
Berskienė, K. et al [Lithuania]

MO-PM51-3
ALTERATIONS IN MITOCHONDRIAL STRUCTURE AND FUNCTION IN RAT MYOCARDIUM IN CHRONIC HEART FAILURE
West, R.C. et al [Netherlands]

MO-PM51-4
PEDOMETERS AFFECT PHYSICAL ACTIVITY LEVELS IN OLDER JAPANESE ADULTS
Sato, A. et al [Japan]

MO-PM51-5
EFFECTS OF BETWEEN-DAY INTERVAL TRAINING ON PHYSICAL ACTIVITY IN OLDER PERSONS WITH DECREASED FUNCTIONAL CAPACITY
Bento, T. et al [Portugal]
ECSS Amsterdam 2014 - The Netherlands, 2-5 July
Friday, July 4th, 2014
15:00 - 16:00 Slot B

**Mini-Oral Presentations**

**Chair(s):** Willems, M. [United Kingdom]"
ECSS Amsterdam 2014 - The Netherlands, 2-5 July

Friday, July 4th, 2014

15:00 - 16:00

MO-BN19-8
DIFFERENCES IN GAIT PERFORMANCE, QUADRICEPS STRENGTH, AND FEAR OF FALLING BETWEEN FALLERS AND NON-FALLERS IN WOMEN WITH OSTEOPOROSIS
Stief, F. et al [Germany]

MO-BN19-9
EFFECTS OF AGING ON NEUROMUSCULAR REACTION TIME IN KARATE ATHLETES
Fernandes, R. et al [Portugal]

MO-PM56-6
EFFECTS OF AN ENERGY DRINK ON ELITE SPEED-SWIMMERS
Lara, B. et al [Spain]

MO-PM56-7
BIA MODELS TO ASSESS TOTAL BODY AND EXTRACELLULAR HYDRATION IN ATHLETES
Mota, C. N. et al [Portugal]

MO-SH20 Coaching 2
LECTURE ROOM: G104
Chair(s):
Hettinga, F. [United Kingdom]
MO-SH20-1
THE EFFECT OF DURATION ON THE EXERCISE INTENSITY AND THE ACCURACY OF SKILL IN THE FIELD PRACTICE OF BASEBALL
Goro, M. et al [Japan]

MO-SH20-2
THE PHYSIOLOGICAL AND BIOMECHANICAL ANALYSIS OF 3 KINDS OF COACHING METHOD ENDURANCE RUNNINGS IN JAPANESE JUNIOR HIGH SCHOOL
Kenta, N. et al [Japan]

MO-SH20-3
ANALYSIS AND COMPARISON BY GENDER OF LACTATE PRODUCTION IN YOUNG BREASTSTROKE SWIMMERS
Ciapparelli, C. et al [Italy]

MO-SH20-4
POSTURAL CONTROL AND BALANCE. EFFECTS OF PROPROCIPEPTIVE FITNESS TRAINING IN A GROUP OF ADULTS
Nort, A. et al [Italy]

MO-SH20-5
THE RELATIONSHIP BETWEEN SCORE AND POSITIONS OF SPORT CLUB TENNIS PLAYERS IN DOUBLES MATCH
Yoo, H. et al [Korea, South]

MO-SH20-6
TACTICAL SKILLS INVENTORY FOR SPORTS IN YOUTH BASKETBALL: PORTUGUESE VERSION AND EXTRACTION OF THE 4-FACTOR STRUCTURE
Ribeiro Junior, D.B. et al [Brazil]

MO-SH20-7
FUNCTIONAL CHANGES OF THE MUSCULAR-SKELETAL SYSTEM OF ATHLETES
Soloveyova, J. [Latvia]

MO-SH21 Skill Acquisition
LECTURE ROOM: G105
Chair(s):
Oudejans, R. [Netherlands]
MO-SH21-1
THE DIFFERENT CORTICAL CHARACTERISTICS BETWEEN SUCCESSFUL AND UNSUCCESSFUL PUTTS IN GOLF NOVICES
Shen, C. et al [Taiwan]

MO-SH21-2
EXPLORING THE PERCEPTUAL AND TACTICAL MERITS OF ANTICIPATION PROCESSES
Mecheri, S. et al [France]

MO-SH21-3
EXAMINING CENTRAL VS. PERIPHERAL VISION IN GOLF PUTTING USING A SPATIAL OCCLUSION DESIGN
Vine, S. et al [United Kingdom]

MO-SH21-4
QUIET EYE AND CHOILING: ONLINE CONTROL DOES NOT BREAK DOWN AT THE POINT OF PERFORMANCE FAILURE
Ruffault, A. et al [France]

MO-SH21-5
ASSOCIATIVE THOUGHT CONTENTS DYNAMICS DURING EXERCISE IN TRAINED RUNNERS
Karanastasis, G. et al [Greece]

MO-PW57 TT Body Composition
LECTURE ROOM: G106
Chair(s):
Close, G. [United Kingdom]

MO-PW57-1
USING LOWER LIMBS VOLUMES ASSESSED BY DUAL ENERGY X-RAY ABSORPTIOMETRY AS SIZE DESCRIPTOR IN ALLOMETRIC MODELLING OF PEAK OXYGEN UPTAKE IN ADOLESCENT MALE SOCCER PLAYERS AGED 13-15 YEARS
Coelho e Silva, M. et al [Portugal]

MO-PW57-2
NATIONAL FOOTBALL LEAGUE <NFL> VS ITALIAN FOOTBALL LEAGUE <IFL>: COMPARISON OF BODY SIZE/COMPOSITION AND PERFORMANCE CHARACTERSISTICS
Yilmaz, A. et al [Turkey]

MO-PW57-3
ANALYSIS AND COMPARISON BY GENDER OF LACTATE PRODUCTION IN YOUNG BREASTSTROKE SWIMMERS
Ciapparelli, C. et al [Italy]

MO-PW57-4
VALIDITY OF ADULT STATURE PREDICTION, AND PERCENTAGE OF ADULT STATURE ESTIMATION, USING KHAMIS AND ROCHE METHOD, IN A SAMPLE OF PORTUGUESE CHILDREN AND ADOLESCENTS OF BOTH SEXES.
Fragoso, I. et al [Portugal]

MO-PW57-5
THE RELATIONSHIP BETWEEN SCORE AND POSITIONS OF SPORT CLUB TENNIS PLAYERS IN DOUBLES MATCH
Yoo, H. et al [Korea, South]

MO-PW57-6
PRIOR LOW- OR HIGH-INTENSITY EXERCISE ALTERS PACING STRATEGY, ENERGY DISTRIBUTION AND PERFORMANCE DURING A 4-KM CYCLING TIME TRIAL
Correa Oliveira, C. et al [Brazil]

MO-PW57-7
IMPACT OF A REGIMEN CONSISTING OF PHYSICAL ACTIVITY AND ENERGY DEFICIENT DIET ON CARDIOVASCULAR FITNESS AND BLOOD CHOLESTEROL AND GLUCOSE CONCENTRATIONS IN OBESE PEOPLE
Petkov, K. [Bulgaria]

MO-PW57-8
RELATIONSHIP BETWEEN ANTROPOMETRY AND PHYSICAL PERFORMANCE IN TURKISH ADOLESCENTS
Yilmaz, A. et al [Turkey]

MO-BN20 Motor Control & Learning 5
LECTURE ROOM: G103
Chair(s):
Verdijk, L. [Netherlands]

MO-BN20-1
SLEEP BENEFITS ADAPTATION OF A GROSS MOTOR SKILL
Birklbauer, J. et al [Austria]

MO-BN20-2
THE EFFECT OF DURATION ON THE EXERCISE INTENSITY AND THE ACCURACY OF SKILL IN THE FIELDING PRACTICE OF BASEBALL
Goro, M. et al [Japan]

MO-BN20-3
NORMOXIC HYPOXIC TRAINING PROMOTES THE COGNITIVE PERFORMANCE OF OLDER PEOPLE
Törpel, A. et al [Germany]

MO-BN20-4
THE GENETIC POLYMORPHISM OF A DOPAMINERGIC ENZYME AFFECTS MOTOR SKILL AUTOMATIZATION
Krause, D. et al [Germany]

MO-BN20-5
EVENT-RELATED EEG CHANGES DURING MOTOR ADAPTATION
Thürer, B. et al [Switzerland]

MO-BN20-6
ACUTE EFFECTS OF A NOVEL TREADMILL DEVICE ON GAIT AND POSTURAL CONTROL IN PERSONS WITH PARRINONOS DISEASE
Bernhard, S. et al [Germany]

MO-BN20-7
INVESTIGATION OF DYNAMICAL SYSTEMS PHENOMENA IN DISCRETE ACTIONS EXEMPLIFIED BY A TABLE-TENNIS TASK
Wan Zakariah, W.R. et al [Singapore]
Mini-Oral Presentations

**MO-PM58 PH Fat & Glucose Metabolism**

- **Lecture Room: E103**
  - Chair(s): Hunter, S. [United States]
  - Miyashita, H. [Japan]
  - **Effects of three selected diets & exercise programs on lipid profile and serum leptin levels of obese and overweight women**
    - Minasian, V. [Iran]
  - **Intramyocellular triacylglycerol, abdominal fat depots and energy expenditure: large-scale magnetic resonance imaging (<MRI>) study**
    - Gepner, Y. et al [Israel]
  - **Effects of guarana ingestion on exercise lipid metabolism and antioxidant potential in overweight males**
    - Hase, S. et al [Taiwan]

**MO-PM59 Physical Education & Health**

- **Lecture Room: E104**
  - Chair(s): Eckert, K. [Germany]
  - Diktemüller, R. [Austria]
  - **Physical activity of girls and boys in outdoor play areas of kindergartens**
    - Diketmüller, R. et al [Austria]
  - **The efficacy of internet-based physical activity promotion program among secondary students**
    - Leung, F. et al [Hong Kong]
  - **Peak VO2 in prepubertal and pubertal girls during a maximal laboratory treadmill test: differences between swimming practitioners and girls without any sport practice**
    - Rodrigues Ferreira, M.A. et al [Portugal]

**MO-PM60 PH Performance Modification**

- **Lecture Room: E105-106**
  - Hopkins, W. [Australia]
  - **Housing conditions influence the positive effects of spontaneous running on brain monoamine levels in rats**
    - Yangoliga, S. et al [Japan]
  - **Progressive resistance training improves executive cognitive function in a healthy elderly population**
    - Coetsee, C. et al [South Africa]
  - **Development of a protocol for assessing functional autonomy for the elderly: is the cognitive and sensory dimension a confounding factor for the analysis of this dimension?**
    - Furtado, G.E. et al [Portugal]

**MO-PM61 HF Ageing Cognitive**

- **Lecture Room: E107**
  - Mierau, A. [Germany]
  - Brown, W. [Australia]
  - **The effect of physical exercise under hypoxic condition improves sleep quality**
    - Lemos, V.A. et al [Brazil]
  - **Efficacy of ingesting a novel rehydration solution during exercise and recovery**
    - Fan, P.W. et al [Singapore]
  - **The efficacy of physical activity under hypoxic condition improves sleep quality**
    - Lemos, V.A. et al [Brazil]
  - **The effect of physical exercise under hypoxic condition improves sleep quality**
    - Lemos, V.A. et al [Brazil]

**MO-PM62 Sports Physiology**

- **Lecture Room: E108**
  - Levels, K. [Netherlands]
  - Racinais, S. [Qatar]
  - **Physical activity levels of adults and seniors with intellectual disability**
    - Oxiedo, G.R. et al [Spain]
  - **Prediction of movement intensities of footballers from heart rate during ion...**
    - Leung, F. et al [Hong Kong]
**Friday, July 4th, 2014**

**MO-PM63 Sports Medicine 2**

**LECTURE ROOM: G109**

**MO-PM63-1**

**POSTURE, HEART AND VISION FEATURES IN GIRLS OF RHYTHMIC AND AESTHETIC GROUP GYMNASTICS**

Ayazi, M. [Iran]

**MO-PM63-2**

**INDIRECT ESTIMATION OF THIGH MUSCLE MASS IN CHILEAN SOCCER PLAYERS VALIDATED BY DXA.**

Zapata Gómez, D. et al [Chile]

**MO-PM63-3**

**THE RELATIONSHIP BETWEEN FREE RADICALS AND ANT AND VO2MAX IN PROFESSIONAL SOCCER PLAYERS**

Handziski, Z. et al [Former Yugoslav Republic of Macedonia]

**MO-PM63-4**

**BONE MINERAL DENSITY IN ACTIVE AND FORMER ELITE BALLET DANCERS**

Amorim, T. et al [United Kingdom]

**MO-PM63-5**

**THE EFFECT OF FINGER GRIP STRENGTH TO REACTION TIME IN MOTORCYCLE SPORTS**

Tekin, D. [Turkey]

**MO-PM63-6**

**CORTISOL, PROLACTIN, THYROID HORMONES, LEUKOCYTES COUNT AND NGAL DURING THE WINTER SWIMMING COMPETITION**

Zeman, V. et al [Czech Republic]

**MO-PM63-7**

**HIP KINEMATIC DURING INSIDE SOCCER KICK IN SUBJECTS WITH A HISTORY OF GROIN INJURY**

Takahashi, S. et al [Japan]

**MO-PM63-8**

**VIDEO-BASED MARKER-LESS MOTION ANALYSIS OF ERGOMETER ROWING USING STATISTICAL MOTION FEATURES**

Yoshikawa, F. et al [Japan]

**MO-SH23 Intellectual Disabilities & Activity**

**LECTURE ROOM: G110**

**MO-SH23-1**

**AUTONOMIC CARDIAC REGULATION AT REST AND IN EXERCISE IN PERSONS WITH INTELLECTUAL DISABILITY**

Sarabia, J.M. et al [Spain]

**MO-SH23-2**

**CORRELATION OF AIR DISPLACEMENT PLETHYSMOGRAPHY WITH A FIELD-BASED BODY COMPOSITION TECHNIQUE IN INTELLECTUALLY DISABLED ADULTS**

Boer, P. et al [South Africa]

**MO-SH23-3**

**A SENSORY-MOTOR PROGRAMME FOR AUTISTIC BOYS. TWO CASE STUDIES**

Hagemann, C.R. et al [South Africa]

**MO-SH23-4**

**THE BENEFITS OF TRAMPOLINE TRAINING ON MOTOR PROFICIENCY AND BODY MASS INDEX IN CHILDREN WITH AUTISM SPECTRUM DISORDERS**

Lourenço, C. [Portugal]
ELDERLY INDIVIDUALS
Araujo, C. et al (Brazil)
EP-UD01-70
ASSOCIATION BETWEEN MAXIMAL OXYGEN UPTAKE IMPROVEMENT AND BODY COMPOSITION CHANGES AFTER A WEIGHT LOSS PROGRAM
Castro, E.A. et al (Spain)
EP-UD01-71
ACQUISITION OF PHYSICAL FITNESS AND MOTOR SKILLS PROMOTES PHYSICAL ACTIVITY IN ELEMENTARY SCHOOL CHILDREN: A ONE-YEAR FOLLOW-UP STUDY
Hikihara, Y. et al (Japan)
EP-UD01-72
RISK OF FALLS IN ELDERLY IN THE ASPECT OF PHYSICAL ACTIVITY
Ignasiak, Z. et al (Poland)
EP-UD01-73
SEX DIFFERENCES IN FITNESS AND MOTOR COORDINATION IN PREPUBERTAL CHILDREN BEFORE AND AFTER CONTROL FOR MATURATION
Luz, I.G.O. et al (Brazil)
EP-UD01-74
EFFECTS OF AEROBIC DANCE EXERCISE ON THE LOWER LIMBS ISOMETRIC MUSCLE STRENGTH OF ELDERLY PEOPLE
Nishizawa, T. (Japan)
EP-UD01-75
VO2MAX PREDICTION AND VALIDITY FROM EXERCISE GAS EXCHANGE IN KOREAN
Im, J. (Korea, South)
EP-UD01-76
THE DEVELOPMENT OF PREDICTION EQUATION FOR ESTIMATING VO2MAX FROM THE 20M PRT IN KOREAN MIDDLE-SCHOOL GIRLS
Park, D.H. et al (Korea, South)
EP-UD01-77
SPECIFIC NECK-SHOULDER EXERCISES FOR REDUCING MUSCULOSKELETAL DISORDERS AMONG EMPLOYEES IN DENTISTRY
Fredslund, G. et al (Denmark)
EP-UD01-78
FAT OXIDATION DURING EXERCISE BEFORE AND AFTER WEIGHT LOSS Jørgensen, A.L. et al (Denmark)
EP-UD01-80
EFFECTS OF INCREASING THE DAILY STEP COUNT ON PHYSICAL INACTIVITY AND MENTAL HEALTH IN YOUNG ADULT FEMALES
Kumahara, H. et al (Japan)
EP-UD01-81
INTENSITY AND VOLUME OF PHYSICAL ACTIVITY ARE ASSOCIATED WITH GOOD SLEEP QUALITY IN OLDER ADULTS
Kitano, N. et al (Japan)
EP-UD01-82
ASSOCIATION BETWEEN CARDIOVASCULAR AND METABOLIC DISEASE RISK MARKERS AND PHYSICAL ACTIVITY STATUS IN ADOLESCENTS Aljoud, K. (Saudi Arabia)
EP-UD01-83
HABITUAL PHYSICAL ACTIVITY, AND MOTOR COORDINATION IN CHILDREN
Droganidis, D. et al (Greece)
EP-UD01-84
EFFECTS OF FUNCTIONAL STOCKING WEARING ON REPETITION, TOTAL WORK, AND HEART RATE DURING SQUATS IN COLLEGE MALE STUDENTS
Kim, K.H. et al (Korea, South)
EP-UD01-85
HEART RATE ANALYSIS DURING TIPICAL SEVEN DAYS ALPINE SKIING ACTIVITY IN SENIORY MEN Perić263, R. et al (Bosnia and Herzegovina)
EP-UD01-86
EFFECT OF A PUBLIC HEALTH PHYSICAL EXERCISE PROGRAM ON CARDIORESPIRATORY FITNESS AND INFLAMMATORY BIOMARKERS
Popini, C.B. et al (Brazil)
EP-UD01-87
IMPACT OF TRAINING FREQUENCY AND SUPERVISION ON COMPLIANCE WITH STRENGTH TRAINING AND SUBSEQUENT CHANGES IN NECK PAIN AND MUSCLE PERFORMANCE
Dalager, T. et al (Denmark)
History
EP-UD01-3
RESEARCH REGARDING THE OCCURRENCE OF NEW ELEMENTS FOR VAULTING TABLE PERFORMANCE IN WOMEN’S ARTISTIC GYMNASTICS
Nakasone, M. (Japan)
EP-UD01-4
RESEARCH REGARDING THE OCCURRENCE OF NEW ELEMENTS FOR VAULTING TABLE PERFORMANCE IN WOMEN’S ARTISTIC GYMNASTICS
Nakasone, M. (Japan)
Molecular Biology
EP-UD01-3
EFFECTS OF 6WEEKS SWIMMING TRAINING ON AMMONIA METABOLISM IN SKELETAL MUSCLE IN MICE
Takeda, K. et al (Japan)
EP-UD01-2
Oxidative stress and aging: the relative role of regular exercise
Moto, P. et al (Portugal)
EP-UD01-3
WIN INDUCES SATELLITE CELL ACTIVATION IN ADULT AND AGED MICE AFTER VOLUNTARY WHEEL RUNNING
Fujimaki, S. et al (Japan)
EP-UD01-4
MOLECULAR ADAPTATIONS IN MOUSE SKELETAL MUSCLE FOLLOWING EC-CENTRICALLY VERSUS CONCENTRICALLY BIASED TRAINING
Hody, S. et al (Belgium)
EP-UD01-5
CHRONIC PHYSICAL EXERCISE DECREASES GLUCONEOGENESIS AND FASTING PLASMA GLUCOSE THROUGH MODULATION OF MKP-3 AND FOXO1 PROTEIN IN THE LIVER OF OBES MICE
Moura, L.P. et al (Brazil)
EP-UD01-6
TRANSCRIPTIONAL CHANGES IN BLOOD AFTER AEROBIC TRAINING IN URBAN VERSUS RURAL ENVIRONMENT
Bos, I. et al (Belgium)
EP-UD01-7
DIFFERENTIAL TRAINING AS AN INTERVENTION STRATEGY TO PREVENT CHOKING UNDER PRESSURE IN BASKETBALL FREE-THROW
Lothwein, M. et al (Germany)
EP-UD01-8
INFLUENCE OF PRESSURE ON POSTURAL ADJUSTMENTS IN AN ACCURACY DEMANDING SINGLE-FORWARD-STEPPING TASK
Sasaki, J. et al (Japan)
Motor Learning
EP-UD01-1
DOES BANDWIDTH-FEEDBACK FACILITATE MOTOR AUTOMATIZATION?
Agethen, M. et al (Germany)
EP-UD01-2
MAXIMAL VOLUNTARY CONTRACTION ASSESSMENT: IMPACT OF REAL-TIME VISUAL FEEDBACK OF PERFORMANCE
Simoneau Buessinger, E. et al (France)
EP-UD01-3
EFFECTS OF AERBIC DANCE EXERCISE ON THE LOWER LIMBS ISOMETRIC MUSCLE STRENGTH OF ELDERLY PEOPLE
Nishizawa, T. (Japan)
EP-UD01-4
EFFECTS OF INCREASING THE DAILY STEP COUNT ON PHYSICAL INACTIVITY AND MENTAL HEALTH IN YOUNG ADULT FEMALES
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Park, D.H. et al (Korea, South)
EP-UD01-7
SPECIFIC NECK-SHOULDER EXERCISES FOR REDUCING MUSCULOSKELETAL DISORDERS AMONG EMPLOYEES IN DENTISTRY
Fredslund, G. et al (Denmark)
EP-UD01-13 NEUROMUSCULAR ADJUSTMENTS IN PLANTAR FLEXORS IN YOUNG ADULTS WITH CEREBRAL PALSY
Neyroud, D. et al. [Switzerland]

Nutrition

EP-UD01-1 ACUTE ORAL TYROSINE SUPPLEMENTATION DOES NOT PREVENT THE DECLINE IN MAXIMAL HANDGRIFF FORCE IN HYPERTHERMIC SUBJECTS
Turney, L. et al. [United Kingdom]

EP-UD01-2 PHYSICAL ACTIVITY IN TURKISH YOUNG ADULTS. ASSOCIATION WITH THE TOTAL AMOUNT AND TYPES OF BEVERAGES CONSUMPTION
Karabudak, E. et al. [Turkey]

EP-UD01-3 EFFECT OF ANSINE-CONTAINING FISH-SALVAGE SUPPLEMENTATION ON HIGH-INTENSITY EXERCISE
Kato, S. et al. [Japan]

EP-UD01-4 EFFECT OF INORGANIC NITRATE INGESTION WITH BLOODFLOW-ENHANCING JUICE ON SKIN GAS NITRIC OXIDE CONCENTRATIONS
Ito, H. et al. [Japan]

EP-UD01-5 EFFECT OF ENERGY DRINK CONSUMPTION ON AUTONOMIC CARDIOVASCULAR CONTROL DURING MENTAL AND PHYSICAL STRESS IN YOUNG
Lima, F.R. et al. [Brazil]

EP-UD01-6 THE EFFECT OF ACUTE VS CHRONIC MAGNESIUM SUPPLEMENTATION ON RESISTANCE EXERCISE AND VASCULAR RESPONSE.
Kass, L. S. et al. [United Kingdom]

EP-UD01-7 MICROBIOLOGICAL QUALITY AND SAFETY OF DIETARY SUPPLEMENTS IN SAUDI ARABIA
Aljiloud, S. [Saudi Arabia]

EP-UD01-8 NITRIC OXIDE EMANATING FROM HUMAN SKIN FOLLOWING SUBMAXIMAL BICYCLE EXERCISE
Matsuo, K. et al. [Japan]

EP-UD01-9 BALANCED DIET IMPROVES PARAMETERS OF METABOLIC SYNDROME CAUSED BY FRUCTOSE-RICH DIET IN RATS
Cambri, L. et al. [Brazil]

EP-UD01-10 LEUCINE SUPPLEMENTATION DOES NOT CHANGE EXPRESSION OF PROTEINS INVOLVED IN THE SIGNALING PATHWAYS FOR PROTEIN SYNTHESIS IN DETERAINED RATS UNDER CALORIC RESTRICTION
Nishimura, I. et al. [Brazil]

EP-UD01-11 THE PROTEIN INTAKE FROM DIETARY AND SUPPLEMENTS IN MEN BODYBUILDERS
Coelho, I.L. et al. [Brazil]

EP-UD01-12 RELATIONSHIP BETWEEN UNDESIRABLE EATING HABITS AND HEALTH-RELATED COMPLAINTS OF ELITE HIGH SCHOOL TRACK AND FIELD ATHLETES
Sugiu, K. et al. [Japan]

EP-UD01-13 EXCESS DIETARY MAGNESIUM INCREASES EXPRESSION OF TRPM7, BUT DOES NOT IMPROVE THE AMOUNT OF MAGNESIUM IN RAT SKELETAL MUSCLE OF SWIMMING EXERCISED RATS
Sakai, K. et al. [Japan]

EP-UD01-14 CONCERN FOR WEIGHT CONTROL AND DIETARY SELF EFFICACY OF UNDERGRADUATE
Oladipo, I.O. et al. [Nigeria]

EP-UD01-15 LEUCINE IS REQUIRED FOR MAXIMAL AMINO ACID INDUCED S6K1 ACTIVITY IN HUMAN SKELETAL MUSCLE AFTER RESISTANCE EXERCISE
Arp, W. et al. [Sweden]

EP-UD01-16 EFFECTS OF OIL SUPPLEMENTATION IN TRAINED AND SEDENTARY ANIMALS
Candido, J.P. et al. [Brazil]

EP-UD01-17 PHYSICAL ACTIVITY LEVELS AND NUTRITIONAL KNOWLEDGE’S AMONG CHILDREN AND ADOLESCENTS
Ribeiro, J. et al. [Portugal]

EP-UD01-18 EFFECTS OF ISOLATED AND COMBINED CARBOHYDRATE AND COFFEE SUPPLEMENTATION DURING A SHORT-TERM RECOVERY ON SOCCER PERFORMANCE
Andrade Souza, V. et al. [Brazil]

EP-UD01-19 EXERCISE TRAINING, BUT NOT CREATINE SUPPLEMENTATION, PROMOTES BENEFICIAL EFFECTS ON BONE TISSUE IN OVARIECTOMIZED RATS.
Mura, J.H. et al. [Brazil]

EP-UD01-20 CONJUGATED LINOLEIC ACID -CLA AS AN ERGOGENIC AID IN ENDURANCE TRAINING.
Volantis, S. et al. [Denmark]

EP-UD01-21 THE EFFECT OF ACUTE RHODIOLA ROSEA INGESTION ON STRAIN AND TUNNEL PERCEIVED EXERTION, AROUSAL AND SATISFACTION.
Clarke, N.D. et al. [United Kingdom]

EP-UD01-22 THE EFFECT OF MILK ON THE ATTENUATION OF EXERCISE-INDUCED MUSCLE DAMAGE IN MALES AND FEMALES.
Rankin, P. et al. [Ireland]

EP-UD01-23 RESPONSIVENESS OF SKELETAL MUSCLE TO TIMING AND DISTRIBUTION OF PROTEIN INTAKE IN OLDER ADULTS. A SYSTEMATIC REVIEW
Thomas, D.K. et al. [United Kingdom]

EP-UD01-24 EFFECTS OF A 4 DAY ALKALIZING VERSUS ACIDIZING DIET ON 400M RACE TIME, CAPILLARY BLOOD LACTATE CONCENTRATION, BLOOD PH AND URINARY PH IN HEALTHY STUDENTS
Eibl, A. et al. [Germany]

EP-UD01-25 POST-EXERCISE PROTEIN INGESTION ATTENUATES LAT1/SLC7A5 MRNA EXPRESSION DURING OVERNIGHT RECOVERY IN HUMAN SKELETAL MUSCLE.
Franssen, R. et al. [Netherlands]

EP-UD01-26 ACUTE ORAL L-GLUTAMINE SUPPLEMENTATION Does NOT IMPROVE ROWING PERFORMANCE.
Volantis, S. et al. [Denmark]

EP-UD01-27 CREATEIN SUPPLEMENTATION IN WALKER 256 TUMOR-BEARING HAS NO EFFECT ON TUMOR GROWTH IN A TIME COURSE STUDY.
Composo Ferraz, P.L. et al. [Brazil]

EP-UD01-28 L-GLUTAMINE AND L-ALANINE IMPROVES GLUTAMINE STORES IN RATS SUBMITTED TO HIGH INTENSITY RESISTANCE TRAINING.
Raziel, R. et al. [Brazil]

EP-UD01-29 EFFECT OF DIETARY PROTEIN DISTRIBUTION ON LEAN MASS DURING ENERGY RESTRICTION WITH AND WITHOUT RESISTANCE TRAINING IN OVERWEIGHT OLDER MEN.
Murphy, C.H. et al. [Canada]

EP-UD01-30 BEEF AND MILK DO NOT DIFFER IN THEIR CAPACITY TO STIMULATE POST-EXERCISE MYOFIBRILLAR PROTEIN SYNTHESIS IN YOUNG MALES.
Gorisien, S.H.M. et al. [Netherlands]

EP-UD01-31 PATTERNS OF HERBAL SUPPLEMENT USE AMONG IRANIAN NATIONAL LEVEL ATHLETES.
Goldhannaz, F. et al. [Iran]

Philosophy and Ethics

EP-UD01-1 A STUDY ON THE SLOWSNESS OF TAI CHI CHUAN FROM THE SOMATIC PERSPECTIVE.
Kwon, O. et al. [Korea, South]

EP-UD01-2 MEANINGS AND RELEVANCE OF THE CREATIVITY IN THE SPORT AND PHYSICAL EDUCATION.
Park, H. et al. [Korea, South]

Physical Education and Pedagogics

EP-UD01-1 SEGUNDO TEMPO PROGRAM: SPORT EDUCATION FOR THE BRAZILIAN YOUTH – THE PEDAGOGICAL AND ADMINISTRATIVE SUPPORT.
Stanganelli, L.C.R. et al. [Brazil]

Bisconsini, C. et al. [Brazil]

EP-UD01-3 THE RELATIONSHIP AMONG PARTICIPATION MOTIVATION OF AFTER-SCHOOL PHYSICAL ACTIVITIES, ADAPTATION TO SCHOOL LIFE AND EDUCATIONAL ACHIEVEMENTS FOR THE MIDDLE SCHOOL STUDENTS.
Kam, D. et al. [Korea, South]

EP-UD01-4 CHINESE MARTIAL ARTS’ PROGRAM AT THE BRAZILIAN UNIVERSITY.
Carrara, W.R. et al. [Brazil]
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE EFFECT OF WHOLE BODY CRYOTHERAPY AND MAGNITUDE OF COOLING ON ANTHROPOMETRIC CHARACTERISTICS</td>
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</tr>
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<td>WHOLE BODY CRYOTHERAPY AND MAGNITUDE OF COOLING ON ANTHROPOMETRIC CHARACTERISTICS</td>
<td>Yamauchi, H. et al (Japan)</td>
</tr>
</tbody>
</table>
Frontal Midline Theta and Sensory Motor Rhythm Differences Between Good and Poor Golf Putting Performance
Yi Ting, C. et al (Taiwan)

EFFECT OF ACUTE EXERCISE AND CARDIOVASCULAR FITNESS ON COGNITIVE FUNCTION. AN EVENT-RELATED CORTEXAL DESYNCHRONIZATION STUDY
Chang, Y. et al (Taiwan)

The Relation of Regular Exercise on Stroop Test Related Event-Related Potential: An Preliminary Study
Song, T. et al (Taiwan)

Acceptability of an Online Intervention to Motivate Adults Aged 50 to Be More Physically Active: A Pilot Study
Stolte, E. et al (Netherlands)

The Effects of Types of Self-Talk and Volleyball Sport Performance
Cheng Hui, C. et al (Taiwan)

Effects of Acute Exercise on Working Memory in Children with Attention Deficit Hyperactivity Disorder (ADHD)
Yu, C. et al (Taiwan)

The Examination of the Impact of Social Support: A Qualitative Analysis of the Reaction to Verbal Messages
Katogami, T. et al (Japan)

The Use of Contextual Information in Expert Tennis Anticipation
Murphy, C. et al (United Kingdom)

The Influence of Beliefs and Goals for Emotion Regulation on Self-Regulation Strategies: Their Impact on Competitive Anger
Crut, J. et al (Portugal)

The Relationship Between Exercise Modality and the Stroop Task in Older Adults
Yang, K. T. et al (Taiwan)

State of the Art Review: Beneficial Influence of Aerobic Exercise on the Brain
Félez Nóvrego, M. et al (Spain)

Differences in Sensormotor MU Rhythm Between Experts and Beginners in Successful Golf Putting Performance
Wang, K. P. et al (Taiwan)

Effects of Acute Exercise in Inhibition Process in Children with ADHD: An Event-Related Potential Study
Lin, C. et al (Taiwan)

Higher Sensory Motor Rhythm Associated with Better Performance in Skilled Air Pistol Shooters
Tu, Y. et al (Taiwan)

The Effects of Different Exercise Types on Inhibitory Ability in the Elders: An ERP Study
Hung, T. et al (Taiwan)

The Effects of Three Cognitively Demanding Tasks on Psychological and Performance Indicators of Cognitive Fatigue
Smith, M. et al (Australia)

Sports Practice in the Adolescence: Fit and Violent
Ballester, R. et al (Spain)

Rehabilitation

Application of Interval Training and Aerobic Resistance in Patients with Stable COPD Assessed 6 Minutes Walking Distance Test <6MWD>
Herrera Pacheco, M. et al (Spain)

The Effectiveness of Robot-Assisted Treadmill Training in MS Patients Concerning the Outcomes Gait Velocity, Distance and Activity of Daily Life Versus Over-Ground Walking Training a Systematic Review
Knoke, K. (Germany)

Effects of Resistance Exercise with Blood Flow Restriction on Vascular Function
Okita, K. et al (Japan)

The Effect of 12 Weeks of Accelerated Rehabilitation Exercise on Isokinetic Muscle Function of Patients with ACL Reconstruction of the Knee Joint
Gi Duck, P. et al (South Korea)

Physical Activity in Epilepsy: Relations Between Quality of Life and Depressive Symptoms
Kishimoto, S. et al (Brazil)

Effects of Long-Term Low Intensity Exercise on Age-Related Atrophied Muscle in a Rat Model
Sakamoto, M. et al (Japan)

Effects of Resistance Training with Blood Flow Restriction on Strength, Functionality, Pain, and Quality of Life in Women with Knee Osteoarthritis
Roschel, H. et al (Brazil)

Overweight Adolescents and &H1A-2,4-Derenergic Receptor Gene POLYMORPHISMS: METABOLIC RESPONSE AFTER 12 WEEKS AEROBIC TRAINING
Lehe, N. et al (Brazil)

Sociology

Development and Approval of Management and Analysis System for Scientific and Project Activities
Kuleva, M. et al (Bulgaria)

The Case of Brazil’s Adventure Sports Commission: An Abandoned Policy Agenda
Bandeira, M. M. et al (Brazil)

Community Capacity Building Evaluation of the Organization of a Walking School Bus Program in Two Socio-Economically Contrast-Ed Settings: Preliminary Results
Lapointe, L. et al (Canada)

The Power of the Bias Attitude in the Fitness Club
Jeong Min, K. et al (South Korea)

Understanding Female Body-Builders’ Emotional Acceptance According to Reaction from an Audience in the Body-Builder Competition
Jung Rea, L. et al (Korea, South)

The Effects of Different Exercise Types on Inhibitory Ability in the Elders: An ERP Study
Hung, T. et al (Taiwan)

The Examination of the Impact of Social Support: A Qualitative Analysis of the Reaction to Verbal Messages
Katogami, T. et al (Japan)

The Use of Contextual Information in Expert Tennis Anticipation
Murphy, C. et al (United Kingdom)

The Influence of Beliefs and Goals for Emotion Regulation on Self-Regulation Strategies: Their Impact on Competitive Anger
Crut, J. et al (Portugal)

The Relationship Between Exercise Modality and the Stroop Task in Older Adults
Yang, K. T. et al (Taiwan)

State of the Art Review: Beneficial Influence of Aerobic Exercise on the Brain
Félez Nóvrego, M. et al (Spain)

Differences in Sensormotor MU Rhythm Between Experts and Beginners in Successful Golf Putting Performance
Wang, K. P. et al (Taiwan)

Effects of Acute Exercise in Inhibition Process in Children with ADHD: An Event-Related Potential Study
Lin, C. et al (Taiwan)

Higher Sensory Motor Rhythm Associated with Better Performance in Skilled Air Pistol Shooters
Tu, Y. et al (Taiwan)

The Effects of Three Cognitively Demanding Tasks on Psychological and Performance Indicators of Cognitive Fatigue
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Rehabilitation

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The Effectiveness of Robot-Assisted Treadmill Training in MS Patients Concerning the Outcomes Gait Velocity, Distance and Activity of Daily Life Versus Over-Ground Walking Training a Systematic Review
Knoke, K. (Germany)

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Okita, K. et al (Japan)

The Effect of 12 Weeks of Accelerated Rehabilitation Exercise on Isokinetic Muscle Function of Patients with ACL Reconstruction of the Knee Joint
Gi Duck, P. et al (South Korea)

Physical Activity in Epilepsy: Relations Between Quality of Life and Depressive Symptoms
Kishimoto, S. et al (Brazil)

Effects of Long-Term Low Intensity Exercise on Age-Related Atrophied Muscle in a Rat Model
Sakamoto, M. et al (Japan)

Effects of Resistance Training with Blood Flow Restriction on Strength, Functionality, Pain, and Quality of Life in Women with Knee Osteoarthritis
Roschel, H. et al (Brazil)

Overweight Adolescents and &H1A-2,4-Derenergic Receptor Gene POLYMORPHISMS: METABOLIC RESPONSE AFTER 12 WEEKS AEROBIC TRAINING
Lehe, N. et al (Brazil)

Sociology

Development and Approval of Management and Analysis System for Scientific and Project Activities
Kuleva, M. et al (Bulgaria)

The Case of Brazil’s Adventure Sports Commission: An Abandoned Policy Agenda
Bandeira, M. M. et al (Brazil)

Community Capacity Building Evaluation of the Organization of a Walking School Bus Program in Two Socio-Economically Contrast-Ed Settings: Preliminary Results
Lapointe, L. et al (Canada)

The Power of the Bias Attitude in the Fitness Club
Jeong Min, K. et al (South Korea)

Understanding Female Body-Builders’ Emotional Acceptance According to Reaction from an Audience in the Body-Builder Competition
Jung Rea, L. et al (Korea, South)

The Effects of Different Exercise Types on Inhibitory Ability in the Elders: An ERP Study
Hung, T. et al (Taiwan)

The Examination of the Impact of Social Support: A Qualitative Analysis of the Reaction to Verbal Messages
Katogami, T. et al (Japan)

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The Influence of Beliefs and Goals for Emotion Regulation on Self-Regulation Strategies: Their Impact on Competitive Anger
Crut, J. et al (Portugal)

The Relationship Between Exercise Modality and the Stroop Task in Older Adults
Yang, K. T. et al (Taiwan)

State of the Art Review: Beneficial Influence of Aerobic Exercise on the Brain
Félez Nóvrego, M. et al (Spain)

Differences in Sensormotor MU Rhythm Between Experts and Beginners in Successful Golf Putting Performance
Wang, K. P. et al (Taiwan)

Effects of Acute Exercise in Inhibition Process in Children with ADHD: An Event-Related Potential Study
Lin, C. et al (Taiwan)

Higher Sensory Motor Rhythm Associated with Better Performance in Skilled Air Pistol Shooters
Tu, Y. et al (Taiwan)

The Effects of Different Exercise Types on Inhibitory Ability in the Elders: An ERP Study
Hung, T. et al (Taiwan)

The Examination of the Impact of Social Support: A Qualitative Analysis of the Reaction to Verbal Messages
Katogami, T. et al (Japan)

The Use of Contextual Information in Expert Tennis Anticipation
Murphy, C. et al (United Kingdom)

The Influence of Beliefs and Goals for Emotion Regulation on Self-Regulation Strategies: Their Impact on Competitive Anger
Crut, J. et al (Portugal)

The Relationship Between Exercise Modality and the Stroop Task in Older Adults
Yang, K. T. et al (Taiwan)
EP-UD01-6
AEROBIC FITNESS IN MALE ELITE ATHLETES AGED 11-16 YEARS: THE INFLUENCE OF AGE, MATURATION PARAMETERS, AND BODY COMPOSITION
Nolfo, J et al [Germany]

EP-UD01-7
EFFECTS OF PARKOUR TRAINING ON AEROBIC FITNESS PARAMETERS IN ADOLESCENTS
Dvorak, M et al [Czech Republic]

EP-UD01-8
CONTRIBUTION OF HAND AND LEG MOVEMENTS TO THE THROWING PERFORMANCE OF WATER POLO PLAYERS Komori, Y et al [Japon]

EP-UD01-9
A WEARABLE SENSOR SYSTEM FOR SPORTS AND FITNESS APPLICATIONS Blank, P et al [Germany]

EP-UD01-10
THE METABOLIC RESPONSE TO THE SPECIFIC EFFORT CORRELATED WITH THE EFFORT ZONES IN WATER POLO PLAYERS – JUNIORS 14 TO 15 YEARS OLD Marinescu, Gh et al [Romania]

EP-UD01-11

EP-UD01-12
LEFT ARIAL DIMENSIONS IN SOCCER PLAYERS Olm, T et al [Estonia]

EP-UD01-13
MODERATE INTENSITY EXERCISE PROGRAM ON HEART PARAMETERS IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE <COPD>
Ferreira, M.G.A.M et al [Brazil]

EP-UD01-14
INFLUENCE OF REACTION TIME IN TABLE TENNIS PLAYERS Rossi, A et al [Italy]

EP-UD01-15
THE CONSISTENCY OF PHYSIOLOGICAL AND METABOLIC RESPONSES DURING A LABORATORY BASED, SIMULATED FOOTBALL GAME Peters, G.S et al [United Kingdom]

EP-UD01-16
TESTING OF SOCCER TECHNICAL SKILLS UNDER PHYSICAL LOAD BY MEANS OF TWO DFB-TESTS Portela, J et al [Germany]

EP-UD01-17
THE EFFECT OF VVO2MAX PROTOCOL ON PREDICTING 2000M RUNNING PERFORMANCE Baker, J et al [United Kingdom]

EP-UD01-18
ANTHROPOMETRIC AND PHYSICAL PERFORMANCE CHARACTERISTICS OF COLOMBIAN ELITE MALE WRESTLERS Ramirez Velez, R et al [Colombia]

EP-UD01-19
INTERNAL TRAINING LOAD OF RHYTHMIC GYMNASTICS ATHLETES Antulapco, K et al [Brazil]

EP-UD01-20
ACUTE EFFECTS OF A VIBRATION EXPOSURE WITH AND WITHOUT LOADING ON JUMPING PERFORMANCE Smirniotou, A et al [Greece]

EP-UD01-21
THE EFFECT OF 8 WEEKS STRENGTH TRAINING PROGRAM ON NAVY CADETS PHYSICAL CONDITIONING PARAMETERS Chatzinkokolou, A et al [Greece]

EP-UD01-22
MAXIMAL HEART RATE IN SOCCER PLAYERS: MEASURED VS. AGE-PREDICTED Kostoulas, I et al [Greece]

EP-UD01-23
SEX DIFFERENCES IN PHYSICAL AND ANTHROPOMETRIC CHARACTERISTICS IN CHILDHOOD Manidakis, M et al [Greece]

EP-UD01-24
THE DEVELOPMENT OF SWIMMING POWER Leban, B et al [Italy]

EP-UD01-25
ACUTE EFFECTS OF INTERRITEENT AND CONTINUOUS STRETCHING ON VERTICAL JUMPING ABILITY IN ELITE ATHLETES Dolf, O et al [Greece]

EP-UD01-26
WEIGHT STATUS AND PHYSICAL FITNESS IN FEMALE SOCCER PLAYERS – IS THERE AN OPTIMAL BMI? Nikolaidis, P et al [Greece]

EP-UD01-27
EFFECTS OF A SIMULATED TAEMSWOON MATCH ON STRENGTH, POWER AND KICKING PERFORMANCE Tasiopoulos, I.G et al [Greece]

EP-UD01-28
DIFFERENCES IN ANTHROPOMETRIC AND PHYSICAL CHARACTERISTICS OF PREPUBESCENT FEMALE ATHLETES PARTICIPATING IN DIFFERENT SPORTS Theas, A et al [Sweden]

EP-UD01-29
RELATIONSHIP BETWEEN SPINNING, JUMPING ABILITY AND AEROBIC FITNESS IN PUBERTAL BOYS Velgekas, P et al [Greece]

EP-UD01-30
ANTHROPOMETRIC CHANGES IN ELITE ROWERS Mladen, M [Croatia]

EP-UD01-31
LONGITUDINAL GROWTH AND DEVELOPMENT OF BODY HEIGHT AND LOWER LIMB MUSCLE THICKNESS IN JAPANESE JUNIOR SPEED SKATERS Kumagawa, D et al [Japan]

EP-UD01-32
PHYSIOLOGICAL, BIOMECHANICAL AND ENERGETIC PARAMETERS CHANGES DURING DESCENDING FRONT CRAWL SWIMMING IN YOUNG ATHLETES Ozzinek, M et al [Poland]

EP-UD01-33
THE RELATIONSHIP BETWEEN FITNESS PARAMETERS AND SUCCESS IN THE PROGRESSIVE PRAWO DISCIPLINE IN BOCCO Sentić, D et al [Croatia]

EP-UD01-34
STUDIES ON PHYSICAL FITNESS OF SPEED AND AGILITY IN UNIVERSITY ELITE TENNIS PLAYERS Umebayashi, K et al [Japan]

EP-UD01-35
ANALYSIS OF INTENSITY OF EXERCISE LOAD OF JUNIOR ICE HOCKEY PLAYERS DURING A CHAMPIONSHIP MATCH – CASE STUDY Volo, R et al [Czech Republic]

EP-UD01-36
INVESTIGATION OF HEART RATE RESPONSES DURING THE KORFBALL GAME TO DETERMINE EXERCISE INTENSITY IN SEDENTARY Yildirim, A et al [Turkey]

EP-UD01-37
AN INVESTIGATION OF MOTORIC CHARACTERISTICS OF A TURKISH 2ND DIVISION WOMEN BASKETBALL TEAM PLAYERS IN CANAKKALE, TURKEY Ozgider, C et al [Turkey]

EP-UD01-38
EFFECTS OF DRY-LAND TRAINING IN FEMALE SWIMMERS Leko, G et al [Croatia]

EP-UD01-39
MALE 400 M HURDLES: RUNNING DYNAMICS Babic, V et al [Croatia]

EP-UD01-40
FMS AND INJURY IN GAELIC GAMES AND RUGBY Lyons, M et al [Ireland]

EP-UD01-41
REPEATED SHORT STATIC STRETCH INCREASED RANGE OF MOTION WITHOUT ISOMETRIC AND ECCENTRIC ISOKINETIC TORSO VARIATION Leon Prados, J.A et al [Spain]

EP-UD01-42
DETERMINATION OF THE TRAINING INTENSITY ZONES USING BREATH – BY – BREATH PARAMETERS AND ESTIMATED PERCENTAGES OF HRMAX Vucetic, V et al [Croatia]

EP-UD01-43
ANTHROPOMETRY AND PHYSICAL PERFORMANCE OF ESTONIAN TOP-LEVEL FEMALE VOLLEYBALL PLAYERS Stamm, M et al [Estonia]

EP-UD01-44
METABOLIC OPTIMIZATION OF THE BASKETBALL FREE THROW Vando, S et al [Italy]

EP-UD01-45
FEMORAL ARTERY CROSS-SECTIONAL AREA IS MINIMALLY AFFECTED WITH DIFFERENT RESTRICTIVE PRESSURE LEVELS Laurentino, G et al [Brazil]

EP-UD01-46
THE EFFECT OF DYNAMIC GUN-EX ROPE TRAINING ON UPPER BODY STRENGTH Srejcova, B et al [Czech Republic]

EP-UD01-47
PRELIMINARY EFFICACY OF 16-WEEK HIGH INTENSITY INTERVAL TRAINING AMONG HEALTHY MEN Azuma, K et al [Japan]

EP-UD01-48
EFFECTS OF RESPIRATORY MUSCLE TRAINING ON EXERCISE PERFORMANCE FOR TENNIS PLAYERS – A PILOT STUDY Wu, C.Y et al [Taiwan]

EP-UD01-49
EFFECTS OF DRY-LAND TRAINING IN FEMALE SWIMMERS Leko, G et al [Croatia]

EP-UD01-50
COMPARISON OF A 6-WEEK FUNCTIONAL CORE TRAINING AND TRADITIONAL RESISTANCE TRAINING ON DYNAMIC BALANCE IN TENNIS PLAYERS Nig, S.K et al [Chinal]

EP-UD01-51
DIFFERENCES IN HEART RATE AT FIRST AND SECOND LACTATE TURN POINT IN TREADMILL RUNNING AND ERGOMETER CYCLING IN WOMEN Wollner, D et al [Austria]

EP-UD01-52
COMPARISON OF BIOELECTRICAL IMPEDANCE ANALYSIS AND SKINFOLDS TO DETERMINE BODY FAT IN RECREATIONAL ATHLETES Sanna, I et al [Italy]

EP-UD01-53
RPE TO REGULATE EXERCISE INTENSITY AND PREDICT VO2PEAK IN HEART FAILURE PATIENTS Morris, M et al [United Kingdom]

EP-UD01-54
PEAK HAND-Grip FORCE PREDICTS COMPETITIVE PERFORMANCE IN ELITE FEMALE CROSS-COUNTRY SKIERS Carlsson, M et al [Sweden]

EP-UD01-55
ERGOGENIC CAPACITY OF MELATONIN DURING SLEEP AND WAKEFULNESS PERIOD IN SWIMMING RATS Beck, W et al [Brazil]

EP-UD01-56
DO CORE STABILIZATION EXERCISES ENHANCE CYCLING EFFICIENCY? Weijmans, E.J et al [Netherlands]

EP-UD01-57
ANTHROPOMETRIC CHANGES IN ELITE ROWERS Mladen, M [Croatia]

EP-UD01-58
HEART RATE AND BLOOD LACTATE DURING FUTSAL MATCH: COMPARISON BETWEEN FIRST AND SECOND PERIOD IN BRAZILIAN PROFESSIONAL FUTSAL PLAYERS Santos, L et al [Brazil]

EP-UD01-59
LACTATE THRESHOLD IN SQUAT EXERCISE WITH INCREMENTAL RESISTANCE Haramura, M et al [Japan]

EP-UD01-60
THE METABOLIC RESPONSE TO THE SPECIFIC EFFORT CORRELATED WITH THE EFFORT ZONES IN WATER POLO PLAYERS – JUNIORS 14 TO 15 YEARS OLD Marinescu, Gh et al [Romania]

EP-UD01-61

EP-UD01-62
LEFT ARIAL DIMENSIONS IN SOCCER PLAYERS Olm, T et al [Estonia]

EP-UD01-63
MODERATE INTENSITY EXERCISE PROGRAM ON HEART PARAMETERS IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE <COPD>
Ferreira, M.G.A.M et al [Brazil]
<INTERMITTENT VS CONTINUOUS>
Minuzzi, L. et al [Portugal]
EP-UD01-60
THE INVESTIGATION OF THE IMPACT OF HAND PREFERENCE ON THE SERVICE, FOREHAND AND BACKHAND HITTING SPEED AND STRENGTH PARAMETER-SAMONG STUDENTS TAKING TENNIS TRAINING AT UNIVERSITY
Erzeybek, M.S. et al [Turkey]
EP-UD01-61
ISOMETRIC LEG PRESS TRAINING AT DIFFERENT KNEE ANGLES RESULTS IN A SHIFT OF THE FORCE-LENGTH RELATIONSHIP OF LEG EXTENSORS
Bogdanis, G. et al [Greece]
EP-UD01-62
THE RELATIONSHIP BETWEEN PHYSICAL FITNESS PARAMETERS AND TECHNICAL EXECUTION IN YOUNG RHYTHMIC GYMNASTS
Kritikou, M. et al [Greece]
EP-UD01-63
RESISTANCE TRAINING WITH SLOW MOVEMENT IN WING CHUN MARTIAL ARTISTS
Chricon, M. et al [Italy]
EP-UD01-64
CALCULATING LACTATE ANAEROBIC THRESHOLDS IN DIFFERENT SPORTS
Gabyry437, T. et al [Poland]
EP-UD01-65
FOUR WEEKS OF CODS SPRINT TRAINING IMPROVE SPRINTING PERFORMANCE IN MALE ELITE JUNIOR SOCCER PLAYERS
Gundersen, H. et al [Norway]
EP-UD01-66
SHUTTER GLASSES AS A TRAINING TOOL IN SPORTS VISION TRAINING – CHANGES IN VISUAL PERCEPTION ACCORDING TO FREQUENCY AND DUTY RATIO
Jendrusch, G. et al [Germany]
EP-UD01-67
AEROBIC PARAMETERS AND MUSCLE STRENGTH: IS THERE A SINGLE MODE OF TRAINING ABLE TO IMPROVE BOTH CONCURRENTLY?
Caputo, F. et al [Brazil]
EP-UD01-68
THE ROLE OF INSTABILITY WITH CORE STRENGTH TRAINING IN ADOLESCENTS
Granacher, U. et al [Germany]
EP-UD01-69
HYPERLACTEMIA INDUCTION MODES IN THE LACTATE MINIMUM TEST RESULTING IN DIFFERENT BLOOD PH AND BICARBONATE VALUES, BUT NOT AFFECTING THE LACTATE MINIMUM INTENSITY
Zagatto, A. et al [Brazil]
EP-UD01-70
STATIC STRETCHING OF THE ANKLE DORSIFLEXORS IMPROVES VERTICAL JUMP PERFORMANCE IN YOUNG HEALTHY MEN
Sempf, F. et al [Germany]
EP-UD01-71
MUSCLE STRENGTHENING EFFECT OF URSOIC ACID ON BODY BUILDERS
Seo, D.Y. et al [Korea, South]
EP-UD01-72
“HEARING IMPAIRED” AND “NON-HEARING IMPAIRED” ATHLETES: WE CAN SPRINT TOGETHER!
Barmapriots, P. et al [Greece]
EP-UD01-73
RELATIONSHIP BETWEEN TRAINING LOAD AND DIFFERENT MONITORING MEASURES IN TEAM SPORTS
Everett, K. et al [Australia]
EP-UD01-74
SENSOR-BASED SIT-TO-STAND MEASURES ARE ASSOCIATED WITH FUNCTIONAL STATUS IN OLDER ADULTS
Riegelsdotter, G.R.H. et al [Netherlands]
EP-UD01-75
ACCURACY AND RELIABILITY OF VXS-PORT GLOBAL POSITIONING SYSTEM IN INTERMITTENT ACTIVITY
Malone, S. et al [Ireland]
EP-UD01-76
LONGITUDINAL CHANGES IN BODY COMPOSITION AND FITNESS PROFILES
Of Elite Male Japanese Wrestlers
Arakawa, H. [Japan]
EP-UD01-77
DIFFERENTIATED RATINGS OF PERCEIVED EXERTION: HOW DO PEOPLE PERCEIVE EXERTION DURING CYCLING AND HANDCYCLING?
Heitler, G.J. et al [United Kingdom]
EP-UD01-78
COMPARISON BETWEEN VENTILATORY THRESHOLD AND HEART RATE VARIABILITY INDEXES IN NONATHLETES Neumann, I.B.A. et al [Brazil]
EP-UD01-79
THE INFLUENCE OF RESISTANCE TRAINING USING A LOAD OF 65% TO 85% MAXIMAL VOLUNTARY CONTRACTION WITH SHORTER INTERVAL ON THE INTRamuscular OXYGENATION IN BICEPS Brachii AND TRICEPS Brachi
Masahiro, G. et al [Japan]
EP-UD01-80
SUBJECTS VS INSTRUCTOR PERCEIVED TRAINING LOAD IN TRX FITNESS ACTIVITY
Giancotti, G.F. et al [Italy]
EP-UD01-81
EFFECTS OF SHORT-TERM TRAINING COMBINING STRENGTH AND BALANCE EXERCISES IN THE ELDERLY
Penzer, F. et al [Belgium]
EP-UD01-82
ASSESSMENT OF ANTHROPOMETRIC AND PHYSICAL PERFORMANCE CHARACTERISTICS IN YOUTH FEMALE TEAM HANDBALL PLAYERS
Moss, S.L. et al [United Kingdom]
EP-UD01-83
METABOLIC POWER DURING CONSTANT AND SHUTTLE RUNNING IN AMATEUR SOCCER PLAYERS
Stevens, T.G.A. et al [Netherlands]
EP-UD01-84
VARIATION IN RELATIVE WORKLOAD AND HEART RATE WITH SESSION-RPE HELD CONSTANT
Evans, R. et al [South Africa]
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With the motion analysis software TEMPLO and VICOM MOTUS, Contemplas offers the possibility to do professional motion analysis in different fields of application and integrates other systems, such as EMG, pressure and force measurement. http://www.contemplas.com

Cortex Biophysik GmbH [Germany]

As world market leader in mobile Cardiopulmonary Exercise testing systems Cortex is pleased to present to you at the ECSS comprehensive information about professional athletes' performance diagnostics. Our diagnostic systems allow our customers to obtain precise measurement results in the areas of performance diagnostics, training evaluation, prevention, therapy and rehabilitation.

http://www.cortex-medical.com

COSMED S.r.l. [Italy]

With more than 30 years of experience in the Sport & Performance field, COSMED provides the best and most comprehensive Cardiopulmonary, Metabolic and Body Composition solutions for the Research, Sport Science and human Performance fields. http://www.cosmed.com

Delsys Inc. [USA]

Delsys have been at the forefront of innovative developments in electromyography (EMG) with our patented parallel-bar sensors offering unmatched signal quality, consistency and reliability. The Delsys Trigno systems allow completely unrestricted subject motion while maintaining high fidelity signal quality and full-bandwidth sampling. Innovation is further demonstrated with the ground-breaking surface decomposition EMG system (sEMG) providing new parameters for studying and assessing motor control. /http://www.delsys.com

DorsaVi [United Kingdom]

DorsaVi's ViPerform is wireless sensor technology used to objectively measure movement and muscle activity. ViPerform is easy and fast to use. ViPerform tests include running symmetry (GRF), dynamic knee (including varus/valgus), low back & pelvis, dynamic hamstring, core control and rowing. ViPerform assesses athlete's performance both in clinic and on the field. Our real-time feedback functionality facilitates rehabilitation and skill acquisition. http://www.dorsavi.com

ECSS Malmö 2015 [Sweden]

On behalf of the Department of Sport Sciences, Malmö University, the Department of Health Sciences, Lund University, and the Department of Nutrition, Exercise and Sports (IiNEX), University of Copenhagen, it is our pleasure to invite you to attend the 20th Annual Congress of the European College of Sport Science. The congress will take place between June 24 and 27, 2015, in the multicultural city of Malmö, Sweden, a 15-minute train ride from Kastrup Airport in Copenhagen, Denmark. In 2015, the multidisciplinary ECSS Congress will be celebrating its 20th anniversary. The 2015 congress theme of Sustainable Sport will permeate the academic programme as well as the arrangements: the three universities co-hosting the event all emphasise sustainability in education and research, and will work together with the City of Malmö, a fair trade city, to make ECSS 2015 a sustainable sports congress http://www.ecss-congress.eu/2015/

FrieslandCampina DMV BV [The Netherlands]

FrieslandCampina DMV BV is a global leader in dairy ingredients for the food and nutrition industry. We have a dedicated team on Performance Nutrition focusing on growing this market segment. Our added value lies in the nutritional know-how on dairy proteins as well as applied support for formulating end products.

http://www.dmv.nl

Galileo Novotec Medical GmbH [Germany]

Novotec Medical is the manufacturer of Galileo training- and therapy devices and of Leonardo motion analysis systems (Mechanograph). Galileo Training enables the successful treatment of musculo-skeletal disorders using side alternating vibration technology. The central importance of muscles for a healthy and efficient organism has been increasingly recognized in recent years.

http://www.galileo-training.com

ECSS Office [Germany]

The ECSS is the leading association of sport scientists at the European level and maintains extensive co-operation with corresponding non-European associations. The purpose of the ECSS is the promotion of science and research, with special attention to sport science and sport medicine across Europe and beyond. The ECSS is a non-profit organisation consulting European institutions, such as the European Union, by offering scientific advice. In addition it serves as the most important European network of sport and sport medicine scientists from all relevant sub-disciplines.

http://sport-science.org

ForceLink [The Netherlands]

ForceLink offers a wide variety of treadmills. Force measurement both 1D and 3D is offered in both single belt and dual belt treadmills. A new concept is the C-Mill: a treatment and evaluation system for gait using both auditory and visual cues. We measure gait parameters and use a projector to make real virtual objects on the belt.

http://www.forcelink.nl

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http://www.galileo-training.com

Gatorade Sports Science Institute [USA]

Founded in 1985, the Gatorade Sports Science Institute (GSSI) is committed to helping athletes optimize their performance and well-being through driving the research, improving education and providing world class sports science services. Using research, GSSI aims to lead in the field of sports nutrition, generate ideas, support new product development and improve recommendations to athletes. Through education, GSSI translates complicated science into practical applications. Utilizing sports science services, GSSI helps athletes obtain a better and more detailed understanding of their body and provides key benchmarks. Headquartered in Barrington, IL, GSSI has opened satellite labs in Bradenton, FL on the IMG Academies campus and on the campus of Loughborough University in Loughborough, UK.

http://www.gssiweb.com

h/p/cosmos sports & medical GmbH [Germany]

Through the long history of more than 25 years in producing running-machines, h/p/cosmos has become THE treadmill specialist for sports, true medical (MDD) and oversize treadmills. h/p/cosmos produces a range of running machine systems from robust, reliable and MDD-certified machines to oversize machines for wheelchair athletes, cyclists and skiers. There are over 100 different models which include unweighting systems, safety systems, software solutions and other patented support solutions.

http://www.h-p-cosmos.com

Human Kinetics [UK]

At Human Kinetics, our mission is to produce innovative, informative products in all areas of physical activity that helps people worldwide lead healthier, more active lives. We are committed to providing quality informational and educational products in physical activity and health fields that meet the needs of our customers.

Please see us at stand 52 for 25% discount on titles 
HUR Labs Oy [Finland]

HUR Labs is a world leading vendor of products for testing human physical performance. Our main products are portable force platforms and software for testing of balance and jumps. Also products for strength testing - both dynamic and isometric are in our range. In Amsterdam HUR Labs introduces the Megaplate - a large force platform for measuring jumps and balance. Please visit us at the exhibition for a demonstration.

http://www.hurlabs.com

InnoSportLab Papendal [The Netherlands]

InnoSportLab Papendal is elevating elite sports to a higher level. The lab is working on the development of innovative products and services in the field of performance monitoring, physiology, recovery, sleep and nutrition. Thanks to the advanced test and measurement equipment it offers, elite athletes and coaches can receive feedback on their performance.

http://www.innosportlabpapendal.nl

Kistler Instrumente AG [Switzerland]

Kistler force plates were first introduced in 1969 and have consistently proved their worth as precise, reliable measurement instruments. The unique piezoelectric measuring system offers numerous advantages and makes Kistler force plates a cost effective investment for biomechanical laboratories. Longevity, high accuracy, linearity and sensitivity provide reliable and reproducible results.

http://www.kistler.com/biomechanics

Lode B.V. [The Netherlands]

Lode is world renowned as manufacturer of high quality ergometry products for professional ergometry applications. We offer unique products for sportsmedical applications. The Lode product range varies from bicycle, treadmill, arm, recumbent ergometers and supine ergometers to ergometry software. The Lode brand stands for accuracy, durability and ergonomic design.

http://www.lode.nl

McRoberts [The Netherlands]

Our goal is to enhance the patients quality of life by using and implementing our innovative products in activity monitoring and function testing. Our products are used worldwide in research, clinical settings and pharmaceutical trials to reach this goal.

http://www.microberts.nl

Mega Electronics Ltd [Finland]

Mega Electronics Ltd has developed advanced technology for EMG, ECG and HRV monitoring applications in hospital, laboratory and field conditions. Using advanced technology, Mega offers leading precision and comfort for ECG and HRV measurement and new flexible and comprehensive ways to measure and analyse EMG data. Our main product lines are neurological monitoring equipments, physiotherapy and rehab systems. Using advanced technology, Mega offers leading precision and comfort for HRV measurement and new flexible and comprehensive ways to measure and analyze EMG data.

http://www.megaeng.com

MICROGATE SRL [Italy]

Microgate’s technological research is applied in the field of training with one objective: to analyze and improve sports performances. Our Company provides innovative and well-known solutions (e.g. OptoLump Next, With), consulting, and technical support to coaches and trainers with the aim of optimizing training activities and evaluating performances.

http://www.microgate.it

Monark Exercise AB [Sweden]

The new generation of Monark bikes is developed with the cyclist in mind.

With a perfect position, modern force and open source connect ability it offers models for any situation within Sports & Medical area.

http://www.monarkexercise.se

Northern Digital Systems [Canada]

For over 30 years, the advanced measurement systems from Northern Digital Inc. INDI have been considered the gold standard in motion capture technology, trusted worldwide by researchers for their unparalleled accuracy, speed and resolution. Our new force plate technology, TrueImpulse, builds on that reputation, providing superior performance without compromising affordability.

http://www.ndigital.com/

PAL Technologies Ltd [Scotland, UK]

PAL Technologies’ award winning activPAL™ is the researcher’s preferred choice for quantifying free-living sedentary, upright and ambulatory activities, providing the evidence to link sedentary behaviours to chronic disease risk. Working in partnership with our worldwide customer base, we deliver clinically relevant measures to support and inform patient-centred treatment approaches and are proud to be helping to build healthier lives. Come and chat with us about your research and find out about our latest product developments on stand 4.

http://www.paltechnologies.com

PhysioFlow Inc. USA / Manatec Biomedical France [France]

PhysioFlow® is a unique range of noninvasive hemodynamic monitors that perform the most accurate and validated continuous measurements of cardiac output in the world, even at max exercise. Some of our systems are wireless and portable. The combination of advanced miniaturized hardware and software enables new applications in the lab and for the first time in the field, for trainers and exercise physiologists.

http://www.physioflow.com

Polar Electro [The Netherlands]

Founded in 1977, Polar Electro invented the first wireless heart rate monitor. Since then the company has been leading the sports instruments and heart rate monitoring category. Today, the award-winning Polar training computers are the number one choice among consumers worldwide.

http://www.polar.com/nl

Power Bar Europe GmbH [Germany]

We started PowerBar® in 1986 to help athletes reach their goals by providing nutrition tools for optimum athletic performance. PowerBar® products, backed by leading edge science and innovation, help fuel passionate and committed endurance athletes to push their limits to perform and win. From the PowerBar Performance System to electrolytes to protein bars and more, we’ve got the sports nutrition products to help you achieve your athletic goals.

Powerbar is committed to helping enhance the health and wellness of active individuals by providing convenient nutritional products. We are passionate about sport, fitness and health – our products are setting the pace in science proven sport nutrition.

http://www.powerbar.com

POWERbreathe International Ltd [United Kingdom]

Not only are POWERbreathe’s K-Series devices the World’s 1st Intelligent Digital Breathing Trainers, but an independent International & Nation Clinical Medical Research study has endorsed these as “Gold Standard” devices. With the new K5 + K4 Breathe-Link s/w the possibilities for research in Sports Science and improvement in Time Efficient High Performance Training Outcomes are increasingly being recognised. Also, ask about PBAS the new innovative, affordable, modular – portable and room based POWERbreathe Altitude Systems.

http://www.powebreathe.com
Exhibitors profiles

Qualisys AB [Sweden]

Qualisys Optical Motion Capture System and software for 3D tracking of biomechanics. The system include the Oqus range of cameras is the latest platform for Qualisys motion capture systems. With features such as high-speed video and active filtering for outdoor usage, the Oqus camera is a versatile piece of hardware. The Project Automation Framework (PAF) for OQA is a customizable infrastructure that lets you automate repetitive tasks in your workflow. Analyse a series of captures and create reports with the click of a button.

http://www.qualisys.com

RBM elektronik-automation GmbH [Germany]

The Cyclus2 is an innovative state-of-the-art cycling ergometer packed with electronic and IT solutions, comprising of standardized performance tests, isokinetic mode, lateral oscillation, and training- and programming applications. Due to its versatility, functionality and user-friendliness it is used by sports scientists, high performance centres, coaches and top-class cyclists worldwide.

http://www.cyclus2.com

Routledge Taylor & Francis Group [United Kingdom]

As a leading publisher in the field of Sports and Leisure, Routledge proudly offers a wealth of highly-cited journal content and primary research. Routledge journals dominate the Hospitality, Leisure, Sport and Tourism category of the Social Sciences Citation Index® as well as hosting a prestigious book publishing program. Discover more on Routledge Journals at http://explore.tandfonline.com/sport
And Routledge books at http://www.routledge.com/sport
http://www.tandfonline.com/tejs

SensoMotoric Instruments GmbH [Germany]

Efficiently quantify attention on screen-based materials such as TV spots, web designs, print marketing material or video clips with the SM1 RED remote eye tracking devices. Test real world applications including store shelves, product packaging, billboards, mobile devices and more with the unique mobile SM1 Eye Tracking Glasses.

http://www.smivision.com

Simi Reality Motion Systems GmbH [Germany]

Simi develops high-speed image based motion capture systems. Our mission is to develop high end systems which are simple to use. Our customers range from top research facilities to practical applications in daily activities. Our solutions are tailored to customer's needs and we foster a very close cooperation with our customers.

http://www.simicom

SM Europe [France]

The Cryovest is a cooling vest which can lower artificially the body temperature before and after the training composed by 8 pockets: in which we can place the first ice packs colder. The energy efficiency, which is one of the most important determining factors in physical performances, has improved substantially thanks to the cryovest of 15.8%.

http://www.cryovest.fr

Tania Europe B.V. [The Netherlands]

Tania is the global leader in BIA technology - a fast, cost-effective method of measuring body composition. Accurate measurements taken in 30 seconds include muscle mass, BMI, hydration and body fat levels. Tania is universally recognized as the most clinically accurate on the market, reflecting 25 years of independent scientific research.

http://www.tanitaeu

Tekscan, Inc. [USA]

Tekscan is a leading provider of technologies for analyzing foot function, gait, and balance. Our MobileMat BESS is a computerized implementation of the Balance Error Scoring System (BESS), which is a protocol for postural stability testing that is commonly conducted as part of a sports concussion assessment.

http://www.tekscan.com

The Coca-Cola Company [Belgium]

The Coca-Cola Company is the world’s largest beverage company, with more than 500 sparkling & still brands. With an enduring commitment to building sustainable communities, our Company is focused on initiatives that reduce our environmental footprint, support active, healthy living, create safe, inclusive work environments, & enhance the economic development of communities. The Company also supports the Bev- erage Institute for Health & Wellness to create awareness of evidence-based science around healthy, active living, energy balance and beverage ingredients. Visit www.beverageinstitute.com for more information.

http://www.coca-colicompany.com/

TMG-BMC Ltd. [Slovenia]

TMG-BMC Ltd. is a cutting-edge biomechanics and kinesiology company providing the best tools for research and muscle/tendon research. Our own in-house research resources continually develop patented, highly effective methods for research, training optimization and rehabilitation for research institutions and top sportspeople as well as general physiotherapy and medical requirements. As a result of creating and developing the field of Tensiomyography (TMG), TMG-BMC Ltd’s unique products and techniques have already been adopted by leading medical and research institutions such as Manchester Metropolitan University, Ruhr-University Bochum, UK Athletics and also elite football clubs such as FC Barcelona.

http://www.tmg-bodyevolution.com

Velamed GmbH [Germany]

Velamed GmbH was founded in 2005 as a medical distribution company in Cologne, Germany. As European distributor for biomechanical measuring systems the key company competence is to equip laboratories with biomechanical measurement solutions combined with qualified product and planning consultancy.

http://www.velamed.com

Vicon [United Kingdom]

Vicon delivers 3D movement analysis systems in sports training and research department’s worldwide. Its flagship camera line, the T-Series, offers the highest resolution, frame rates and accuracy available, allowing detailed motion capture in almost any environment. BEAT is Vicon’s next generation camera, combining size, power, and price performance into one amazing solution.

http://www.vicon.com

Woodway GmbH [Germany]

WOODWAY treadmills are specifically requested by professional sports teams, medical & rehabilitation facilities and high-usage fitness facilities worldwide because of their patented design that provides a superior running surface for users, owners and operators. With scientific accuracy, great ride feel and fully adjustable setup, the WATTBIKE is the world’s most advanced indoor training bike.

http://www.woodway.de

Xsens Technologies B.V. [The Netherlands]

Xsens is the leading innovator in 3D motion tracking technology and products. Xsens products range includes full body 3D kinematics solutions & 3D motion tracker development kits for ambulatory measurements. Xsens products are widely used by Universities and institutes worldwide for sports science research and projects.

http://www.xsens.com/
Improve the Performance in Start, Turns and Relay Changeovers

Kistler Performance Analysis System for Swimming assists coaches in the analysis and correction of technique relating to starts and turns.

www.kistler.com
<table>
<thead>
<tr>
<th>ID</th>
<th>Sessions Slot A: 13:00 - 14:00</th>
<th>Lecture room</th>
<th>ID</th>
<th>Sessions Slot B: 14:00 - 15:00</th>
<th>Lecture room</th>
</tr>
</thead>
<tbody>
<tr>
<td>MO-PM01</td>
<td>NU Ergogenic Supplements 1</td>
<td>Auditorium</td>
<td>MO-PM12</td>
<td>PH Resistance Exercise</td>
<td>Auditorium</td>
</tr>
<tr>
<td>MO-PM02</td>
<td>HF Obesity</td>
<td>Forum</td>
<td>MO-PM13</td>
<td>TT Clinical 1</td>
<td>Forum</td>
</tr>
<tr>
<td>MO-PM03</td>
<td>PH High Intensity Interval Training</td>
<td>E102</td>
<td>MO-PM14</td>
<td>PH Fatigue</td>
<td>E102</td>
</tr>
<tr>
<td>MO-BN01</td>
<td>BM Running</td>
<td>G102</td>
<td>MO-BN04</td>
<td>BM Balance &amp; Stability</td>
<td>G102</td>
</tr>
<tr>
<td>MO-PM04</td>
<td>Molecular Biology &amp; Strength</td>
<td>G103</td>
<td>MO-PM15</td>
<td>Molecular Biology &amp; Endurance</td>
<td>G103</td>
</tr>
<tr>
<td>MO-SH01</td>
<td>Psychology &amp; Soccer</td>
<td>G104</td>
<td>MO-SH04</td>
<td>Psychology of Team Performance</td>
<td>G104</td>
</tr>
<tr>
<td>MO-PM05</td>
<td>Physical Education &amp; Body Composition</td>
<td>G105</td>
<td>MO-SH05</td>
<td>Physical Education &amp; Sociology</td>
<td>G105</td>
</tr>
<tr>
<td>MO-PM06</td>
<td>TT Teamsport</td>
<td>G106</td>
<td>MO-PM16</td>
<td>TT Soccer</td>
<td>G106</td>
</tr>
<tr>
<td>MO-BN02</td>
<td>BM Kinematics</td>
<td>G107</td>
<td>MO-BN05</td>
<td>Neuromuscular Performance</td>
<td>G107</td>
</tr>
<tr>
<td>MO-PM07</td>
<td>TT HR Recovery &amp; Variability</td>
<td>E103</td>
<td>MO-PM17</td>
<td>TT Endurance Exercise 1</td>
<td>E103</td>
</tr>
<tr>
<td>MO-PM08</td>
<td>SM Exercise=Medicine</td>
<td>E104</td>
<td>MO-PM18</td>
<td>SM Epidemiology</td>
<td>E104</td>
</tr>
<tr>
<td>MO-PM09</td>
<td>TT Agility</td>
<td>E105-106</td>
<td>MO-PM19</td>
<td>TT Strength Training</td>
<td>E105-106</td>
</tr>
<tr>
<td>MO-PM10</td>
<td>Thermoregulation 1</td>
<td>E107</td>
<td>MO-PM20</td>
<td>Thermoregulation 2</td>
<td>E107</td>
</tr>
<tr>
<td>MO-PM11</td>
<td>Physical Activity in Children 1</td>
<td>E108</td>
<td>MO-PM21</td>
<td>HF Physical Activity in Children 2</td>
<td>E108</td>
</tr>
<tr>
<td>MO-SH02</td>
<td>Sport Psychology &amp; Physical Education</td>
<td>G108</td>
<td>MO-SH06</td>
<td>Sportmarketing &amp; Consumersatisfaction</td>
<td>G108</td>
</tr>
<tr>
<td>MO-BN03</td>
<td>BM Cyclic Sports</td>
<td>G109</td>
<td>MO-BN06</td>
<td>Physical Education, Motor Skills &amp; Dance</td>
<td>G109</td>
</tr>
<tr>
<td>MO-SH03</td>
<td>Athletes &amp; Achievements</td>
<td>G110</td>
<td>MO-SH07</td>
<td>Sport &amp; Motivation</td>
<td>G110</td>
</tr>
</tbody>
</table>
### Programme Overview: Wednesday 2\textsuperscript{nd} July 2014

<table>
<thead>
<tr>
<th>Time</th>
<th>Auditorium</th>
<th>Forum</th>
<th>Emerald</th>
<th>E102</th>
<th>G102</th>
<th>G103</th>
<th>G104</th>
<th>G105</th>
<th>G106</th>
<th>G107</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Satellite symposia, Workshops (Overview on page 88), ECSS General Assembly</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>13:00</td>
<td>Mini Oral Sessions Slot A: 13:00 - 14:00 (Overview on the left page)</td>
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<td>14:00</td>
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</tr>
</tbody>
</table>
| 15:00 | IS-PM02 Control of skeletal muscle mass with ageing  
IS-BN01 Maximizing wheelchair performance! *  
IS-PM01 Asthma in the athletes *  
OP-PM01 Muscle Protein Synthesis & Balance  
OP-BN01 Neuromuscular Physiology  
OP-PM02 Alternative Exercise Training  
IS-SH01 FEPSAC symposium  
OP-SH01 Sports Policy and Statistics  
OP-PM03 Lifestyle Research  
OP-BN02 Kinematics |
| 16:30 | Coffee break |
| 16:50 | Plenary Session 1: Women versus men in sport and exercise (Auditorium) |
| 18:15 | Opening Ceremony (Auditorium) |
| 19:15 | Opening Reception (Exhibition Area) sponsored by City of Amsterdam, Department of Sports |

* Clinical track
<table>
<thead>
<tr>
<th>ID</th>
<th>Sessions Slot A: 14:00 - 15:00</th>
<th>Lecture room</th>
<th>ID</th>
<th>Sessions Slot A: 15:00 - 16:00</th>
<th>Lecture room</th>
</tr>
</thead>
<tbody>
<tr>
<td>MO-PM22</td>
<td>Exercise &amp; Muscle Metabolism</td>
<td>Auditorium</td>
<td>MO-PM32</td>
<td>Exercise, Nutrition &amp; Metabolism</td>
<td>Auditorium</td>
</tr>
<tr>
<td>MO-BN07</td>
<td>Biomechanics</td>
<td>Forum</td>
<td>MO-BN11</td>
<td>Neuromuscular Physiology</td>
<td>Forum</td>
</tr>
<tr>
<td>MO-PM23</td>
<td>Vascular Biology</td>
<td>Emerald</td>
<td>MO-PM33</td>
<td>Physical Disabilities &amp; Activity</td>
<td>Emerald</td>
</tr>
<tr>
<td>MO-PM24</td>
<td>TT High Intensity Interval Training</td>
<td>E102</td>
<td>MO-PM34</td>
<td>Physical Activity &amp; Exercise Training</td>
<td>E102</td>
</tr>
<tr>
<td>MO-BN08</td>
<td>Motor Control &amp; Learning 1</td>
<td>G102</td>
<td>MO-BN12</td>
<td>BM Muscle Function</td>
<td>G102</td>
</tr>
<tr>
<td>MO-PM25</td>
<td>Age-related Physiology</td>
<td>G103</td>
<td>MO-PM35</td>
<td>Nutrition &amp; Body Composition</td>
<td>G103</td>
</tr>
<tr>
<td>MO-SH08</td>
<td>Sport Statistics &amp; Analysis 1</td>
<td>G104</td>
<td>MO-SH12</td>
<td>Sport Psychology</td>
<td>G104</td>
</tr>
<tr>
<td>MO-SH09</td>
<td>Physical Education &amp; Pedagogics</td>
<td>G105</td>
<td>MO-SH13</td>
<td>Psychological Interventions</td>
<td>G105</td>
</tr>
<tr>
<td>MO-PM26</td>
<td>TT Small Sided Games</td>
<td>G106</td>
<td>MO-PM36</td>
<td>TT Talent</td>
<td>G106</td>
</tr>
<tr>
<td>MO-BN09</td>
<td>Motor Control &amp; Learning 2</td>
<td>G107</td>
<td>MO-BN13</td>
<td>Motor Control Learning 3</td>
<td>G107</td>
</tr>
<tr>
<td>MO-PM27</td>
<td>TT General</td>
<td>E103</td>
<td>MO-PM37</td>
<td>TT Overhead Sports</td>
<td>E103</td>
</tr>
<tr>
<td>MO-PM28</td>
<td>SM Upper Body Related Activity</td>
<td>E104</td>
<td>MO-PM38</td>
<td>SM Lower Body Related Activity</td>
<td>E104</td>
</tr>
<tr>
<td>MO-PM29</td>
<td>TT Endurance Exercise 2</td>
<td>E105-106</td>
<td>MO-PM39</td>
<td>Vascular Physiology</td>
<td>E105-106</td>
</tr>
<tr>
<td>MO-PM30</td>
<td>Health &amp; Fitness</td>
<td>E107</td>
<td>MO-PM40</td>
<td>HF Ageing</td>
<td>E107</td>
</tr>
<tr>
<td>MO-PM31</td>
<td>Physical activity</td>
<td>E108</td>
<td>MO-PM41</td>
<td>HF Health</td>
<td>E108</td>
</tr>
<tr>
<td>MO-BN10</td>
<td>BM Injury Prevention</td>
<td>G109</td>
<td>MO-BN14</td>
<td>BM Athletics &amp; Skiing</td>
<td>G109</td>
</tr>
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## Programme Overview: Thursday 3rd July 2014

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<td>OP-PM04 Nutrition &amp; Supplements</td>
<td>OP-BN03 Biomechanics</td>
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<td>IS-PM08 Muscle stem cells and skeletal muscle plasticity</td>
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<td>IS-PM04 Pacing strategy</td>
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<td>IS-BN03 Muscle contractile mechanics of human multi-joint movements</td>
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<td>IS-SH02 Sport organizations in Europe – opportunities and challenges</td>
<td>IS-SH04 Tactical performance analyses in soccer: what approach matches?</td>
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<td>OP-SH05 Social &amp; Gender</td>
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<td>OP-PM21 Teamsport Basketball &amp; Volleyball</td>
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## Programme Overview: Friday 4th July 2014

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<td>IS-PM10 Concurrent training for peak power and endurance</td>
<td>IS-BN06 Core stability: What is it, does it matter, how can it be assessed?</td>
<td>IS-PM05 Exercise in cancer patients *</td>
<td>IS-PM13 JSPSM-ECSS Exchange lecture</td>
<td>IS-BN07 Physiological characteristics of small-sided games</td>
<td>IS-PM29 Health &amp; Fitness (ESSA Exchange)</td>
<td>IS-SH05 Interface problems of physical activity research *</td>
<td>IS-SH06 Perceptual training in sport</td>
<td>IS-PM30 Heart Rate Recovery &amp; Variability</td>
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<td>Plenary Session 3: Interaction between thermal environment, mental and physical status of the athlete and power output * (Auditorium)</td>
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* Clinical track
Sports science and sports medicine never have been that easy before!

Since decades, metabolic and exercise assessments have been made by respiratory carts with maximum precision on the one hand, but with huge required knowledge, enormous costs and amounts of time on the other hand. Extensive and highly needed explanation of reports and test results are well known in specialised scientific fields.

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  - occupational medicine
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www.aerolution.de/ecs
### Programme Overview: Saturday 5th July 2014

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* Clinical track
### Parallel programme

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<tr>
<th>Satellites</th>
<th>ECSS Workshops (EWSS)</th>
<th>Technical Sessions</th>
<th>GSSI Nutrition Award</th>
<th>Special Interest Groups (SIG)</th>
<th>ECSS General Assembly</th>
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<tr>
<td><strong>GSSI - Sports Nutrition then and now</strong></td>
<td><strong>Aspetar - How to win the match - The science behind football</strong></td>
<td><strong>COSMED introduces K5, the wearable metabolic technology</strong></td>
<td><strong>Finalists' presentations</strong></td>
<td><strong>SIG - Sports Nutrition</strong></td>
<td><strong>ECSS General Assembly</strong></td>
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<td>Wednesday, 2nd of July 2014, 8.00 – 12.30</td>
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<td>Thursday, 3rd of July 2014, 11.00 – 12.00</td>
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<td><strong>EWSS: Publishing in Scientific Journals - Getting that first paper published in a peer-reviewed journal</strong></td>
<td><strong>EWSS: Social media and sport research workshop - What's trending at #ECSS2014</strong></td>
<td><strong>SNI shows innovative use of eye tracking</strong></td>
<td><strong>SIG - Environmental Physiology</strong></td>
<td><strong>SIG - Elite Sport</strong></td>
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<td><strong>Kistler - Performance Assessment with Force Plates - Bringing Science to Practice</strong></td>
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Back in the game

Aspetar helps athletes regain their trajectory of success despite the setback of injury. Our multidisciplinary team of expert clinicians provides seamless patient care at our state-of-the-art facility. At Aspetar, clinical excellence is supported by the latest technology and research advances. Our team has a wealth of international sports medicine experience at the highest level. We can support you on your journey to do what you do best - perform at your peak.
NOC*NSF (Netherlands Olympic Committee * Netherlands Sports Confederation) considers scientific research into all areas of sport crucial. Whether it is about a better understanding of what makes people participate in sports, the economic impact of sports events, or developments supporting elite performance, we strongly encourage decisions to be based on sound evidence. And we are convinced science helps in moving forward! For this reason, NOC*NSF has developed a Masterplan “Sports and Science” and has started the program “Sport Science and Innovation” (aimed at elite sports).

All in all, NOC*NSF actively facilitates in “bridging the gap” between sports and science. This is reflected in for example the “Sectorplan Sports Research and Education 2011-2016”, the portal www.sportenkennisplein.nl and the NWO research program Sport. Within elite sports, NOC*NSF is a strong advocate of embedded scientists (scientists within the coaching staff, active on the workfloor), fieldlabs and innovation projects. NOC*NSF actively participates in a number of projects within the research program Sport and one of the founders of the project Topsport Topics, aimed at elite coaches. Our network within the world of academics and R&D has increased dramatically and we congratulate the VU University Amsterdam on hosting ECSS 2014 in Amsterdam, a well deserved job! We are proud to be able to support our valued academic partner in making this year’s conference a successful edition.

For more information, please visit:
- www.nocnsf.nl/wetenschap (NOC*NSF and science in general)
- www.nocnsf.nl/wot (support of elite sports programs through science and innovation)