Unifying Sport Science

18\textsuperscript{th} annual Congress of the European College of Sport Science
Barcelona - Spain, 26 - 29 June 2013

Final Programme

Hosted by
the National Institute of Physical Education of Catalonia (INEFC)
Welcome to Barcelona

Dear congress participant,

Since its creation one of the main aims of the ECSS has been to contribute to the unification of sport science. However, the tremendous growth in the field has produced further fragmentation. Is it possible to unify these fragmented areas? Are there common principles that bind them?

Reductionism has dominated research for over a century and has provided a wealth of knowledge, yet it is increasingly clear that a discrete biological function can only rarely be attributed to an individual molecule. Indeed, most biological characteristics arise from complex interactions: between proteins, cells, organisms, groups, societies, etc. A key challenge in the twenty-first century is therefore to understand the structure and dynamics of these complex interactions, as this will surely foster a new and better understanding between the different scientific disciplines.

The 2013 ECSS Congress in Barcelona seeks to help sport science make its own leap forward towards a comprehension of ourselves not as part of a technical world but as interacting parts of a consistent and coherent whole: nature. The 18th Annual Congress of the ECSS aims to contribute to the development of global approaches in the different specialized areas and to provide an even broader view of sport science. Hopefully, by moving from the whole to the parts and vice versa, sport scientists will be able to find the best paths through the field.

Barcelona is an open city: open to the sea, to culture, to the world and to science. What better place in which to join forces in unifying sport science.

Benvinguts a Barcelona, Bienvenidos a Barcelona, Welcome to Barcelona!

Natàlia Balagué & Carlota Torrents
Congress Presidents
Organization

**Congress Presidents**
- Natàlia Balagué, Carlota Torrents (ESP)

**ECSS Executive Board**
- Sigmund Loland - President (NOR)
- Hans Hoppeler - Past President (SUI)
- Marco Narici – President Elect (GBR)
- Romain Meeusen (BEL)
- Gisela Sjøgaard (DEN)
- Tim Cable (GBR)

**ECSS Scientific Board**
- Anton Wagenmakers - Chair (GBR)
- Flemming Dela - Co-Chair (DEN)
- Jean Cabri - Secretary (NOR)
- Joan Duda (GBR)
- Paul Greenhaff (GBR)
- Martin Halle (GER)
- José Antonio López Calbet (ESP)
- Erich Müller (AUT)

**ECSS Scientific Committee**
- Natàlia Balagué (ESP)
- Wilhelm Bloch (GER)
- Annalisa Cogo (ITA)
- Nenad Dikic (SRB)
- Daniel Green (GBR)
- Michael Grey (GBR)
- Markus Gruber (GER)
- Jørgen Wulff Helge (DEN)
- Yvonne Hellsten (DEN)
- Luc van Loon (NED)
- Mike McNamee (GER)
- Maria Francesca Piacentini (ITA)
- Janice L Thompson (GBR)
- Nicole Werderoth (NED)

**ECSS Office**
- Thomas Delaveaux
- Elias Tolakdis
- Steffen Neubert
- Juliane Melber
- Tullia Holkanen

**Local Scientific Committee**
- Rosa Angulo
- Natàlia Balagué
- Alfonso Blanco
- Joan Cadefau
- Andreu Camps
- Marta Castañer
- Francesc Corbi
- Francesc Cos
- Assumpta Ensinyet
- Pere Lavega
- Eloisa Lorente
- Xavier Peirau
- Jordi Porta
- Joan Riera
- Rosa Rodríguez
- Joan Solé
- Susanna Soler
- Anna Vilanova

**Additional reviewers**
- Duarte Araújo
- Roser Cussó
- Guadalupe Garrido
- Myriam Guerra
- Casimiro Javierre
- Daniel Memmert
- Susana Monserrat
- Carme Porcar
- Anna Puig
- Nicolás Terrados
- Alfonso Vainoras
- Josep Lluís Ventura

**Organizing Committee**
- Agustí Boixeda
- Jordi Borrell
- Benet Gil
- Xavier Iglesias
- Vicente Javaloyes
- Alfredo Joven
- Pere Manuel
- Mercè Matal
- M. José Montilla
- Felip Santamaria
- Cristófol Salls
- Jordi Solá
- Rafael Tarragó
- Carlota Torrents
- Lorena Torres
- Josep Vià
VENUE

INEFC is located in an excellent setting, right at the centre of the Olympic Ring on Montjuïc hill. Next door to some of the main tokens of Barcelona’s Olympic dream, such as Calatrava’s sculpture-like communication tower, the historical Lluís Companys Olympic Stadium or the beautifully built sports arena, Isozaki’s Palau Sant Jordi, INEFC benefits from the best of both worlds.

Institut Nacional d’Educació Física de Catalunya
Av. de l’Estadi 12-22
08038 Barcelona
Spain
Tel. (+34) 93 425 54 45, Fax (+34) 93 426 36 17

CONGRESS OFFICE AND REGISTRATION

The congress registration desks are located opposite the main entrance of the building.
Opening times are:
- Wednesday: 8.00 to 18.00
- Thursday: 8.00 to 18.00
- Friday: 8.00 to 18.00
- Saturday: 8.00 to 16.00

REGISTRATION FEES INCLUDE

Registration fee for participants includes:
- Admission to all scientific sessions
- Admission to exhibitions
- Opening Ceremony
- Opening reception
- Congress material
- Coffee breaks (7) and lunches (3) at the congress venue
- Closing Ceremony
- Congress Party (pre-booking required)

Registration fee for accompanying persons includes:
- No admission to scientific sessions
- Admission to exhibitions
- Opening Ceremony
- Opening reception
- Congress material
- Coffee breaks (7) and lunches (3) at the congress venue
- Closing Ceremony
- Congress Party (pre-booking required)

Registration fee for additional exhibitors (two free delegates per company) includes:
- Admission to all scientific sessions
- Admission to exhibitions
- Opening Ceremony
- Opening reception
- Congress material ( congress bag, Final Programme - in print, Book of Abstracts – print on demand 20,- EURO/30,- EURO)
- Coffee breaks (7) and lunches (3) at the congress venue
- Closing Ceremony
- Congress Party (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 will be identifiable by the dark blue 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 Unifying Sport Science. 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 and poster presentations complete the programme.

2210 abstracts have been accepted and allocated as follows:
- 1 honorary session with 1 presentation
- 4 plenary sessions with 8 presentations
- 36 invited symposia with 108 presentations
- 85 Oral sessions with 411 presentations
- 126 Mini-Oral sessions with 1228 presentations
- 454 e-poster not debated

YOUNG INVESTIGATORS AWARD (YIA) SPONSORED BY MARS INC

The ECSS has received 538 applications for this year’s YIA. Out of those 538 applications 276 have met the administrative requirements for the YIA. Based on thorough review 117 contestants have entered the final stage of the competition and will present in front of the jury in Barcelona. 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 (10 minutes) presentation + 5 minutes questioning time by the Scientific Board and/or Scientific Committee) at the Closing Ceremony on Saturday, June 29th. 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, June 28th 2013 at the ECSS congress booth in the exhibition hall.
- They will be invited by Mars Inc. to join the YIA-Cocktail to take place in the evening on Friday, June 28th of 2013.
- 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, June 29th, commencing at 16:45.
- Prize winners who do not attend and accept their prize within the framework of the YIA Ceremony on Saturday, June 29th 2013 cannot be considered for the award prize.
**General Information**

**PRIZE MONEY**
Mars Inc. will provide generous cash prizes 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 next to Aula Informatica 1 on level 3 of the building. Please locate your lecture hall well in advance of your session and familiarise yourself with the layout. Oral presentation format is PowerPoint. All PowerPoint presentations must be preloaded in the Speaker 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 1 or 2 Barcelona Volunteers in each lecture hall that can help with logistics, IT and timing of presentations.

**During**
The Chair will introduce you and call you to speak. Please practice to keep to the exact timeline of the session:
- 10 min presentation
- 5 min discussion

A Barcelona 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 15 minutes, in order to advise and the chair to move on to the next presentation.

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

**Mini-Oral SESSIONS**

**Before**
Mini-Oral presentation requires the pre-upload of an e-poster in pdf format (one slide only) in landscape (horizontal). The presentation time is 2 minutes plus 2 minutes Questions and Answers. The e-poster must be pre-uploaded right in advance of the congress via your ECSS account (Deadline 15th of June 2013). When preparing your e-poster for mini-oral presentation, remember that all the key oues of clear communication of ideas and content (font size, colour and contrast, organisation and flow, clarity etc.) are respected. The dimensions of your e-poster must be: 140 cm (55 in) width x 79 (31 in) cm height, in landscape (horizontal) orientation.

E-poster must have to be prepared in a special format:
- Number of pages (slides): one (1).
- E-poster file size is a max of 2 MB.
- Make sure your text and background have a large contrast.
- Minimum suggested font size: 24 (20 for references).
- For embedded images prefer .jpeg or .png file formats in a resolution of 72 or 96 dpi.
- Do not use animated effects, “animations” and videos.
- Before submitting, save your poster as a PDF file.

Please locate your mini-oral session right in advance and introduce yourself to your session Chair. Introduce yourself and wait at the first e-poster in your session at least 5 minutes before the 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 min presentation
- 2 min discussion

The chair will initiate discussion by asking the audience first; then putting a pertinent question for the speaker.

**After**
Please leave the room of your mini-oral presentation as there will 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 are served in the exhibition area Thursday to Saturday. Coffee breaks are also served in the Exhibition area from Wednesday to Saturday.

**Lunch tickets**
For lunches participants are asked for pre-booking indicating special food requirements. For each day (Thursday, Friday, Saturday) you will receive a lunch ticket at the registration desk.
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.

TRANSPORTATION

Barcelona is easily accessible via its public transport services. We recommend to make yourself familiar with the Transports Metropolitans de Barcelona.

MESSAGES AND CHANGES IN THE PROGRAMME

Messages to participants are given via email. Any changes in the programme will also be announced via email.

INTERNET SERVICES

Wireless internet will be available at the congress venue. You will need to obtain a log-in code from the registration desk.

TECHNICAL EXHIBITION

The technical exhibition is located on the lower Level, 1st Level of the congress venue. An extensive area is arranged for the congress exhibition forming the hub of the congress.

The opening hours of the exhibition are Wednesday, June 26th 15:00 to 20:00, Thursday, June 27th and Friday, June 28th, 10:00 to 16:30 (1st coffee break to end of 2nd coffee break) and Saturday, June 29th 10:00 to 14:00 (1st coffee break to end of lunch break) at which exhibitors attendance is mandatory.

TOURIST INFORMATION

Barcelona is the capital of Catalonia and the second largest city in Spain, after Madrid. About five million people live in the Barcelona metropolitan area. It is also Europe’s largest metropolis on the Mediterranean Sea. Barcelona is today one of the world’s leading tourist, economic, trade fair/exhibitions and cultural-sports centres, and its influence in commerce, education, entertainment, media, fashion, science, and the arts all contribute to its status as one of the world’s major global cities. It also boasts an extensive motorway network and is a hub of high-speed rail to link Spain with France and the rest of Europe.

SOCIAL PROGRAMME

The ECSS congress offers you a wide range of social events outside of 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 an Opening addresses from the congress presidents and the ECSS president together with some local entertainment.

Opening Reception

The Opening Ceremony will be followed by an Opening Reception also being the official opening of the exhibition with some finger food and drinks.

ECSS General Assembly

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

Friday Night Out in Barcelona

Delegates will be provided with a meeting location to start the evening together and explore the fabulous night life of Barcelona on the Friday night.

Closing Ceremony

The Closing Ceremony will immediately follow the Young Investigator Awards and will feature Thanks and Goodbye from Barcelona and a presentation from the 19th Annual Congress ECSS Amsterdam 2014 in the Netherlands.

ECSS Congress Party

The Congress Party will take place in placa d’Europa, right next door to INEFC building, a scenic Barcelona location on the Saturday night. It will be the time to celebrate, dancing being compulsory.

OPTIONAL TOURS and ACTIVITIES

Visit the Olympic Museum

All congress participants are offered a free-entrance to the Olympic Museum of the 1992 Barcelona Olympic Games. A service sponsored by Fundació Barcelona Olímpic.

Guided visit to Montjuïc’s mountain

Thursday 27.06.2013, 19:30 - 21:30
Starting at INEFC and from MNAC’s viewpoint, Sants-Montjuïc district. Montjuïc’s mountain and the city of Barcelona will be introduced. We’ll walk the slopes of the mountain and we’ll discover the evolution of Montjuïc and its own charm. 1929 and 1992 are the two main dates in the history of Montjuïc: an International Exhibition and the Olympic Games were two key moments in the evolution of this mountain. This guided tour will help you to discover how was Montjuïc before and after these two events. And how this charming mountain is nowadays, and from 1992, closely related to sport. We’ll finish the route in a unique and exceptional place, Maria Cristina’s avenue and the Magic Fountains, where we’ll enjoy the show of water, lights and music.

Sporting activities for children- Family friend congress

27-28-29. 06.2013, 10:00-13:00
Do you want to come with your family to the congress? We will run sporting activities for children aged between 3 – 12 years old during the congress days. Different activities according to the age of the children will be offered in the mornings of the 27th, 28th and 29th of June, from 10 am to 13 pm.
**Swing dance class**

Thursday 27.06.2013, 19:30 - 20:30

Looking for a way to meet new people and expand your social skills? On Thursday, June 27 in the afternoon ECSS is organizing the swing class (a European version called the Jive). In a short lesson you will learn the steps of American style Swing from the master teacher and dancer Dr. Michael Kalinski. He performed as a dancer on many stages in several European and Asian countries, including France, Germany, Poland, Ukraine, Syria etc. He is a world class Exercise Physiologist and an accomplished dancer at the same time. Michael teaches Ballroom Dance along with Exercise Physiology at Kent State University (Kent, Ohio, USA).

**Free entrance to the 1992 Olympic Swimming Pool**

The congress is offering you a free entrance to the 1992 Olympic Swimming Pool close by. Tickets may be picked up at the registration each day. There is a limited number of tickets available per day.

**Experiencing art in an open, dynamic, interactive space.**

The Fundació Joan Miró, located in Barcelona’s Parc de Montjuïc, in an outstanding building designed by Josep Lluís Sert, houses a unique collection of over 300 painting, 150 sculptures and the complete graphic works. The Fundació Joan Miró offers a 20% discount for all congress delegates upon presentation of the congress badge.
1: Aula rítmica
2: Pavelló parquet
3: Aula PP1
4: Aula PP2
5: Sala Judo
6: Sala Musculacio
7: Aula PS1
8: Aula PS2
9: Pavelló sintètic
10: Gimnàs esportiva
11: Aula esportiva 1
12: Aula esportiva 2
1: Sala d’honor
2: Aula Magna 4
3: Aula 4
4: Aula 3
5: Aula Magna 3
6: Sala d’Actes
7: Aula Magna 2
8: Aula 2
9: Aula 1
10: Aula Magna 1
Congress venue - Planta III

1: Speakers Ready Room
2: Aula informàtica 1
   (Internet Corner)
3: Aula Magna 5
4: Sala professorat 2
5: Executive Board
6: Library
7: Sala professorat 1
<table>
<thead>
<tr>
<th>Exhibitor</th>
<th>Description</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>ActiGraph</td>
<td>Objective activity monitoring device (accelerometer)</td>
<td>USA</td>
</tr>
<tr>
<td>38 AB Technologies Inc.</td>
<td>Metabolic carts</td>
<td>USA</td>
</tr>
<tr>
<td>5 Akern Srl</td>
<td>Non invasive devices for body hydration and body composition analysis</td>
<td>Italy</td>
</tr>
<tr>
<td>46 Bertec Corp.</td>
<td>Force Measuring Instruments</td>
<td>USA</td>
</tr>
<tr>
<td>71 CamNtech Ltd.</td>
<td>Medical Devices</td>
<td>United Kingdom</td>
</tr>
<tr>
<td>76 Cardiowise Seleon GmbH</td>
<td>Equipment + Software for performance diagnostic and cardio-pulmonary rehabilitation</td>
<td>Germany</td>
</tr>
<tr>
<td>62 Artinis Medical Systems B.V.</td>
<td>Near Infrared Spectroscopy System</td>
<td>The Netherlands</td>
</tr>
<tr>
<td>44 ANT Neuro b.v.</td>
<td>Mobile EEG &amp; EMG systems, EEG recording and analysis systems, TMS Neuronavigation</td>
<td>The Netherlands</td>
</tr>
<tr>
<td>69 C-Motion, Inc.</td>
<td>Advanced biomechanical analysis and modeling software</td>
<td>USA</td>
</tr>
<tr>
<td>9 Charnwood Dynamics Ltd.</td>
<td>CODAMOTION - Movement Analysis System</td>
<td>United Kingdom</td>
</tr>
<tr>
<td>73 CIDIDA Foundation</td>
<td>International Athletics Documentation, Research and Development Centre</td>
<td>Spain</td>
</tr>
<tr>
<td>45 Casio</td>
<td>High speed photo cameras &amp; eco projectors</td>
<td>Spain</td>
</tr>
<tr>
<td>77 Cardiowise Seleon GmbH</td>
<td>Equipment + Software for performance diagnostic and cardio-pulmonary rehabilitation</td>
<td>Germany</td>
</tr>
<tr>
<td>54 Corbera M.I.Polo Trade, S.A.L.</td>
<td>Portable charger for all kind of mobile devices</td>
<td>Spain</td>
</tr>
<tr>
<td>91 COSMED Srl</td>
<td>Cardiopulmonary, Metabolic and Body Composition solutions for Research, Sport Science and Performance</td>
<td>Italy</td>
</tr>
<tr>
<td>12 Bassett Biomechanics</td>
<td>Biomechanics online training, resources, and community</td>
<td>Italy</td>
</tr>
<tr>
<td>36 Channel Innomatrix BV</td>
<td>Energy and performance enhancement products like Aimergy and liquid activated stabilized oxygen (ASO) products</td>
<td>The Netherlands</td>
</tr>
<tr>
<td>13 Catapult Sports Pty Ltd</td>
<td>Athlete Analytics</td>
<td>United Kingdom</td>
</tr>
<tr>
<td>50 COSMED Srl</td>
<td>Cardiopulmonary, Metabolic and Body Composition solutions for Research, Sport Science and Performance</td>
<td>Italy</td>
</tr>
<tr>
<td>86 ECSS Office</td>
<td>Organiser of the annual congresses of the European College of Sport Science</td>
<td>Germany</td>
</tr>
<tr>
<td>14 European Hydration Institute</td>
<td>Sports Medicine and Orthopaedic Services</td>
<td>Spain</td>
</tr>
<tr>
<td>94 Gatorade Sports Science Institute</td>
<td>Gatorade Sports Science Institute focuses on Research, Education and Athlete Services in the fields</td>
<td>USA</td>
</tr>
<tr>
<td>No.</td>
<td>Company Name</td>
<td>Products/Services</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>--------------------------------------------------------------------</td>
</tr>
<tr>
<td>37</td>
<td>GENEActiv (Activinsights Ltd)</td>
<td>GENEActiv - tri-axial accelerometers</td>
</tr>
<tr>
<td>93</td>
<td>Hy'p/ cosmos sports &amp; medical gmbh</td>
<td>Treatmill solutions for sport &amp; medicine</td>
</tr>
<tr>
<td>41</td>
<td>Hamamatsu Photonics Deutschland GmbH</td>
<td>NIIRO - Near infrared oxygenation monitor</td>
</tr>
<tr>
<td>87</td>
<td>Human Kinetics</td>
<td>Sport Science Publisher</td>
</tr>
<tr>
<td>78-81</td>
<td>HUR Labs Oy</td>
<td>Performance testing products</td>
</tr>
<tr>
<td>91</td>
<td>Iberian Sportech S.L.</td>
<td>Training technology devices</td>
</tr>
<tr>
<td>35</td>
<td>Instituto de Estudios Médicos (IEM)</td>
<td>Private health training and Automated External Defibrillation (AED)</td>
</tr>
<tr>
<td>11</td>
<td>Iskra Medical d.o.o.</td>
<td>Physiotherapy, rehabilitation, aesthetic medicine devices</td>
</tr>
<tr>
<td>39</td>
<td>Ivolution Research &amp; Development</td>
<td>Rehab, Recovery and Wellness equipment</td>
</tr>
<tr>
<td>98</td>
<td>Keiser Corporation</td>
<td>Fitness Equipment used for Rehab and specialist training</td>
</tr>
<tr>
<td>92</td>
<td>Kistler Instrumente AG</td>
<td>Force Plates, Force and Acceleration Sensors, Software for Performance and Balance analysis</td>
</tr>
<tr>
<td>60-61</td>
<td>Lode B.V.</td>
<td>Sport medical ergometry products</td>
</tr>
<tr>
<td>53</td>
<td>Manatec Biomedical/PhysioFlow</td>
<td>Non invasive continuous cardiac output monitors based on a novel and proprietary technology</td>
</tr>
<tr>
<td>58</td>
<td>MICROGATE SRL</td>
<td>Optical Measuring Systems for Gait, Run, Jump Analysis (Optogait / OptoJump Next)</td>
</tr>
<tr>
<td>64</td>
<td>MICROGATE SRL</td>
<td>Optical Measuring Systems for Gait, Run, Jump Analysis (Optogait / OptoJump Next)</td>
</tr>
<tr>
<td>48</td>
<td>MIE Medical Research Ltd.</td>
<td>EMG telemetry, force platforms, dynamometers, goniometers</td>
</tr>
<tr>
<td>70</td>
<td>Mind Media B.V.</td>
<td>Biofeedback and Neurofeedback Systems</td>
</tr>
<tr>
<td>20</td>
<td>Northern Digital Inc.</td>
<td>Research-Grade Motion Capture</td>
</tr>
<tr>
<td>72</td>
<td>Novel GmbH</td>
<td>Pressure distribution measurement systems, sensors</td>
</tr>
<tr>
<td>63</td>
<td>Novotec Medical GmbH</td>
<td>Vibration training devices, ground reaction force plates, Bone densitometry</td>
</tr>
<tr>
<td>42</td>
<td>Omegawave</td>
<td>Omegawave Pro - physiological assessment tool</td>
</tr>
<tr>
<td>59</td>
<td>PAL Technologies Ltd</td>
<td>activPALtm - clinical tools for quantifying sedentary, upright and ambulatory activities and behaviour</td>
</tr>
<tr>
<td>95</td>
<td>Polar Electro Oy</td>
<td>Training computers &amp; HR monitors</td>
</tr>
<tr>
<td>90</td>
<td>PowerBar Europe GmbH</td>
<td>PowerBar, Nestlé Nutrition Institute</td>
</tr>
<tr>
<td>No.</td>
<td>Company Name</td>
<td>Products and Services</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>--------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>3</td>
<td>Qualisys AB</td>
<td>3D Motion Capture System - Movement Analysis System</td>
</tr>
<tr>
<td>8</td>
<td>T&amp;T medilogic Medizintechnik GmbH</td>
<td>Germany</td>
</tr>
<tr>
<td>52</td>
<td>Tekscan, Inc.</td>
<td>Pressure Measurement Systems</td>
</tr>
<tr>
<td>47</td>
<td>Sensamove</td>
<td>Interactive measurement and exergaming products for balance, coordination and movement feedback</td>
</tr>
<tr>
<td>40</td>
<td>Universidad Católica San Antonio de Murcia (UCAM)</td>
<td>UCAM University - Master High Performance Sport - Master en Gestión de eventos deportivos - CAFD</td>
</tr>
<tr>
<td>7</td>
<td>Velamed GmbH</td>
<td>Biomechanic Full Supplier</td>
</tr>
<tr>
<td>49</td>
<td>Simi Reality Motion Systems GmbH</td>
<td>2D/3D Movement and Behaviour Analyses, Video-based High-speed Systems</td>
</tr>
<tr>
<td>28</td>
<td>Xsens Technologies B.V.</td>
<td>MVN BIOMECH - 3D kinematics measurement system / MTw - wireless inertial 3D motion tracker</td>
</tr>
<tr>
<td>96</td>
<td>SM Europe EZYWrap</td>
<td>Orthopedic products such as orthoses and the cryovest</td>
</tr>
<tr>
<td>43</td>
<td>YoYo Technology AB</td>
<td>Resistance Exercise for Sports and Rehabilitation</td>
</tr>
<tr>
<td>84</td>
<td>Springer Verlag GmbH</td>
<td>Scientific publications</td>
</tr>
<tr>
<td>82-83</td>
<td>RBM elektron-automation GmbH</td>
<td>Cyclus2 - The Ergometer for Pros - PERFORMANCE DIAGNOSTICS AND TRAINING ON YOUR OWN BIKE</td>
</tr>
<tr>
<td>85</td>
<td>Routledge/Taylor&amp;Francis</td>
<td>Publisher of European Journal of Sport Science</td>
</tr>
<tr>
<td>52</td>
<td>Routledge/Taylor&amp;Francis</td>
<td>Publisher of European Journal of Sport Science</td>
</tr>
<tr>
<td>85</td>
<td>Routledge/Taylor&amp;Francis</td>
<td>Publisher of European Journal of Sport Science</td>
</tr>
<tr>
<td>96</td>
<td>SM Europe EZYWrap</td>
<td>Orthopedic products such as orthoses and the cryovest</td>
</tr>
<tr>
<td>43</td>
<td>YoYo Technology AB</td>
<td>Resistance Exercise for Sports and Rehabilitation</td>
</tr>
<tr>
<td>84</td>
<td>Springer Verlag GmbH</td>
<td>Scientific publications</td>
</tr>
</tbody>
</table>

**Your notes**

---

**Congress Exhibitors**

INEFC-Barcelona/Spain, 26-29 JUNE 2013
## Scientific Programme

### Sessions

- **Plenary Sessions / Honorary session.** 17
- **Oral Presentations.** 18
  - Wednesday, June 26th. 18
  - Thursday, June 27th. 20
  - Friday, June 28th. 28
  - Saturday, June 29th. 36

### Mini Oral Presentations

- Thursday, June 27th (14:00-15:00). 40
- Thursday, June 27th (15:00-16:00). 46
- Friday, June 28th (14:00-15:00). 52
- Friday, June 28th (15:00-16:00). 58
- Saturday, June 29th (14:00-15:00). 64
- Saturday, June 29th (15:00-16:00). 70

**Poster not debated.** 76

**Exhibitors profiles.** 84
**Plenary sessions / Honorary session**

**Wednesday, June 26th, 2013**

17:00 - 18:15

Pavelló Sintètic PS-PL01

**Does Pain Produce Gain?**

Chair(s):

GONZÁLEZ-ALONSO, J. [UNITED KINGDOM]
ST CLAIR GIBSON, A. [UNITED KINGDOM]

17:00 - PS-PL01-1
UNIFICATION OF CONCEPTS AND MEASURES FOR CAPTURING THE MIND CONTROL OVER THE MOTION SYSTEM
TENENBAUM, G. [UNITED STATES]

17:40 - PS-PL01-2
UNCERTAINTIES REGARDING SOME OF THE EXPECTED BENEFITS OF REGULAR EXERCISE
BOUCHARD, C. [UNITED STATES]

**Thursday, June 27th, 2013**

12:00 - 13:15

Pavelló Sintètic PS-PL02

**Emerging Trends in Team Sports Science**

Chair(s):

ANGELO, T. [SPAIN]
ARAUJO, D. [PORTUGAL]

12:00 - PS-PL02-1
ECOLOGICAL DYNAMICS IN ANALYSIS OF PERFORMANCE IN TEAM SPORT
DAVIDS, K. [AUSTRALIA]

12:40 - PS-PL02-2
USING TEAM SPORTS TO ENHANCE HEALTH AND WELL-BEING IN YOUNG PEOPLE
STuardo, J. L. [UNITED KINGDOM]

**Friday, June 28th, 2013**

12:00 - 13:15

Pavelló Sintètic PS-PL03

**The choreography of movement and the brain**

Chair(s):

BEEK, P. [NETHERLANDS]
MATEU, M. [SPAIN]

12:00 - PS-PL03-1
WHITHER SPORT/SCIENCE? THE CHALLENGE OF UNDERSTANDING LIVING MOVEMENT
SCOTT KELSO, J. A. [UNITED STATES]

12:40 - PS-PL03-2
CHOREOGRAPHIC THINKING TOOLS
DELAHUNTY, S. [UNITED KINGDOM]

**Saturday, June 29th, 2013**

12:00 - 13:15

Pavelló Sintètic PS-PL04

**Rehabilitation through exercise**

Chair(s):

WAGENMAKERS, A. [UNITED KINGDOM]
SJØGAARD, G. [DENMARK]

12:00 - PS-PL04-1
EXERCISE AS PREVENTION AND TREATMENT OF KNEE OSTEOARTHRITIS
Roos, E. [DENMARK]

12:40 - PS-PL04-2
THE ROLE OF MUSCLE STEM CELLS IN COUNTER-FIGHTING SARCOPENIA BY EXERCISE
MACKEY, A. [DENMARK]

**Honorary session**

16:15 - 16:45

Pavelló Sintètic PS-HS01

**Sport Science, in the World of Science**

Chair(s):

BALAGUÉ N. [SPAIN]

16:15 - PS-HS01-1
SPORT SCIENCE, IN THE WORLD OF SCIENCE
SALTIN, B. [DENMARK]
### Oral & Invited Presentations

#### Invited & Oral Presentations

**Aula Magna 1 IS-PM07**

**Sala d’actes OP-PM20**

**Physiology [PH] 2**

**Exercise and Training in COPD Patients**

- Chair(s):
  - Ceremák, N. [Netherlands]
  - Klissouras, V. [Greece]
- **15:00** IS-PM07-1
  - **[YA] OP-PM20-1**
    - Training increases muscle carnosine loading by beta-alanine supplementation
    - Bex, T. et al. [Belgium]
- **15:00** IS-PM07-2
  - **[YA] OP-PM20-2**
    - Regulation of PG1-1A and FNDC5 expression in human skeletal muscle: influence of exercise volume and protein content of the diet
    - Ponce-Gonzalez, J. et al. [Spain]
- **15:00** IS-PM07-3
  - **[YA] OP-PM20-3**
    - Factors influencing serum caffeine concentrations following caffeine ingestion
    - Skinner, T. et al. [Australia]
- **15:30** IS-PM07-4
  - Muscle carnosine loading does not enhance endurance cycling performance
  - Chung, W. et al. [Belgium]
- **15:30** IS-PM07-5
  - Kayak rowing performance and muscle function is unaffected by beta-alanine supplementation in elite kayakers
  - Bech, S. et al. [Denmark]
- **15:30** IS-PM07-6
  - Effects of a carbohydrate and caffeine gel on intermittent endurance performance in recreational-trained males
  - Cooper, R. et al. [United Kingdom]

**Aula Magna 2 OP-PM25**

**Physiology [PH] 3**

**Exercise and Training in COPD Patients**

- Chair(s):
  - Willems, M. [United Kingdom]
  - Verdijk, L. [Netherlands]
- **15:00** IS-PM07-1
  - **[YA] OP-PM25-1**
    - The influence of body weight on the pulmonary oxygen uptake kinetics in prepubertal children during treadmill exercise
    - McNaughton, M. et al. [United Kingdom]
- **15:30** IS-PM07-2
  - **[YA] OP-PM25-2**
    - Oxygen availability in the blood of football players during 12 days of acclimatization to 3600m
    - Wachsmuth, N. et al. [Germany]
- **15:30** IS-PM07-3
  - Are restrictions in blood flow and oxygen supply to the human brain a mechanism by which dehydration impairs maximal exercise capacity?
  - Tanigawa, S. et al. [United Kingdom]
- **15:45** IS-PM07-4
  - Exercise training prevents right ventricular dysfunction and maladaptive remodeling in experimental pulmonary arterial hypertension
  - Moreira-Gonçalves, D. et al. [Portugal]
- **15:45** IS-PM07-5
  - Thermoregulatory responses of athletes with a spinal cord injury during intermittent wheelchair exercise in cool conditions
  - Grigs, K. et al. [United Kingdom]
- **15:45** IS-PM07-6
  - The role of thermal and touch sense in the perception of skin wellness at rest and during exercise in different environments
  - Ringler, D. et al. [United Kingdom]
HEAVY-INTENSITY INTERVAL TRAINING INCREASES CIRCULATING PROGENITOR CELL MOBILISATION BUT REDUCES FLOW-MEDIATED DILATION IN OVERWEIGHT/OBESE WOMEN

Harris, E. et al [United Kingdom]

EFFECT OF 60 MINUTES INTERMITTENT HYPOXIC EXPOSURE SESSION ON OXYGEN UPTAKE KINETICS IN HEAVY INTENSITY CYCLING EXERCISE

Minhalma, R. et al [Portugal]

EFFECT OF SPRINT TRAINING: TRAINING ONCE A DAY VS. TWICE A DAY UNDER CONDITION WITH SAME TRAINING VOLUME

Ijichi, T. et al [Japan]

SHORT DURATION HIGH INTENSITY/LOW VOLUME RESISTANCE TRAINING HAS A SUPERIMPOSABLE EFFECT ON AKT, 4EBP1 AND S6 COMPARED TO A MORE TIME COMMITMENT LOW INTENSITY/HIGH VOLUME RESISTANCE.

Paoli, A. et al [Italy]

EVALUATING THE IMPACT OF BLOOD FLOW RESTRICTION TRAINING ON VASCULAR FUNCTION

Van Mechelen, W. [Netherlands]

THE ROLE OF PHYSICAL ACTIVITY IN THE LIGHT OF AN AGEING EUROPEAN WORKFORCE

Van Mechelen, W. [Netherlands]

ACUTE EFFECT OF INCREASED PARTICIPATION IN ACTIVITIES OF DAILY LIVING ON POSTPRANDIAL LIPAEMIA IN POSTMENOPAUSAL WOMEN

Miyashita, M. et al [Japan]
Op-PM22 Nutrition [NU] 3
Chair(s):
Hansen, M. [Denmark]
Gravina Alfonso, L. [Spain]
08:30 OP-PM22-1 EVALUATION OF FOOD PROVISION AND NUTRITION SUPPORT AT THE LONDON 2012 OLYMPIC AND PARALYMPIC GAMES
Pelly, F. et al [Australia]
08:45 OP-PM22-2 WIGHT STATUS IN PRIMARY SCHOOL CHILDREN: THE ACTUAL VERSUS THE PERCEIVED BY PARENTS
Leitão, R. et al [Portugal]
09:00 OP-PM22-3 NUTRITIONAL ASSESSMENT OF HIGH INTENSITY TRAINING COLLECTIVE: STATUS OF VITAMINS
Garcia Hortal, M. et al [Spain]
09:15 OP-PM22-4 PROTEIN DISTRIBUTION AND QUANTITY AMONGST BITE-OUT RUGBY PLAYERS
MacKenzie, K. et al [Australia]
09:30 OP-PM22-5 GLYCAEMIC INDEX BREAKFASTS AFFECT CONGITION BUT NOT LINCH INATE IN ATHLETIC MALES
Wu, D.M.Y. et al [United Kingdom]
09:45 OP-PM22-6 THE ANALYSIS OF BODY COMPOSITION AND NUTRITIONAL STATUS IN ROWERS
Rilova, N. et al [Russia]

Aula Magna 1 OP-PM47 Training and Testing [TT] 1
Chair(s):
Zamparo, P. [Italy]
08:30 [YIA] OP-PM47-1 NON-INVASIVE DETECTION OF VENTILATORY BREAKPOINTS DURING FIELD TESTING IN RUNNING
Heyde, C. et al [Germany]
08:45 [YIA] OP-PM47-2 UPD MOBILISATION AND RESPIRATORY QUOTIENT DURING REST AND EXERCISE IN YOUNG AND ELDERLY AFTER 2 WEEKS OF UNILATERAL IMMobilisation
Vigelsoe, A. et al [Denmark]
09:00 [YIA] OP-PM47-3 A RANDOMIZED CONTROLLED TRAIL TO INVESTIGATE THE EFFECTS OF TRAINING IN THE FUNCTIONAL MOVEMENT CIRCLE FOR ELDERLY ON FALL-RELATED RISK FACTORS
Mort, T. et al [Germany]
09:15 [YIA] OP-PM47-4 A NEW MODEL FOR ESTIMATING PEAK OXYGEN UPTAKE BASED ON POST EXERCISE MEASUREMENTS AND HEART RATE KINEMICS IN SWIMMING
Schul, K. et al [Germany]
09:30 [YIA] OP-PM47-5 EFFECT OF PHYSICAL EXERCISE ON POSTURAL CONTROL IN PATIENTS WITH HIP OSTEOARTHROSIS
Miller, R. et al [Germany]
09:45 [YIA] OP-PM47-6 VALIDITY OF SUB-MAXIMAL BIODETTER TESTS FOR ESTIMATING MAXIMAL AEROBIC CAPACITY IN CHILDREN
Biblon, Ö. [Sweden]

Aula Magna 2 OP-PM34 Motor Learning [ML] 1
Chair(s):
Girard, O. [Qatar]
08:30 [YIA] OP-PM34-1 PERCEIVED EXERTION, TIME OF IMMERSION, AND PHYSIOLOGICAL CORRELATES IN ELITE SYNCHRONIZED SWIMMING DURING COMPETITION
Rodriguez-Zamora, L. et al [Spain]
08:45 [YIA] OP-PM34-2 RESPONSE-INHIBITION ALTERS PERCEPTION OF EFFORT INDEPENDENTLY OF NEUROMUSCULAR ADAPTATIONS
Pageaux, B. et al [United Kingdom]
09:00 [YIA] OP-PM34-3 IMPACT OF NEUROMUSCULAR ELECTRICAL STIMULATION CURRENT CHARACTERISTICS ON NEUROMUSCULAR FATIGUE
Neyroud, D. et al [Switzerland]
09:15 [YIA] OP-PM34-4 DOES THE STRENGTH RELATIONSHIP CORRELATE WITH THE ONSET TIMING OF ANTICIPATORY POSTURAL ADAPTATIONS?
Voglar, M. et al [Slovenia]
09:30 [YIA] OP-PM34-5 NEUROMUSCULAR CONTROL OF Leg STIFFNESS FOLLOWING SOCCER-SPECIFIC EXERCISE
Oliveira, A.R. et al [Brazil]
09:45 [YIA] OP-PM34-6 THE EFFECT OF EXPERTISE ON COORDINATION VARIABILITY DURING A DISCRETE MULT-ARTICULAR ACTION
Travier, N. et al [Spain]

Aula Magna 3 OP-BN09 Coaching [CO] 1
Chair(s):
Hansen, M. [Denmark]
Gravina Alfonso, L. [Spain]
08:30 OP-BN09-1 RELATIONSHIP BETWEEN NUTRITION AND SPORTS PERFORMANCE
Dallinga, J. et al [Netherlands]
08:45 OP-BN09-2 THE ANALYSIS OF BODY COMPOSITION AND NUTRITIONAL STATUS IN ROWERS
Rilova, N. et al [Russia]
09:00 OP-BN09-3 RELATIONSHIP BETWEEN CARDIORESPIRATORY FITNESS AND QUALITY OF LIFE IN RESPONSE TO A LIFESTYLE INTERVENTION STUDY IN BREAST CANCER SURVIVORS
Tavler, N. et al [Spain]
TIME-COURSE OF TRANSCRIPTOMIC CHANGES IN SKELETAL MUSCLE DURING RECOVERY FROM ENDURANCE EXERCISE

Neubauer, O. et al [Austria]

THE ACUTE ANGIOGENIC TRANSCRIPTIONAL RESPONSE TO LOW LOAD RESISTANCE EXERCISE WITH BLOOD FLOW RESTRICTION

Hunt, J.E. et al [United Kingdom]

AGING IMPAIRS MYOGENIC PRECURSOR CELL EXPANSION AND MUSCLE RECOVERY AFTER IMMOBILITY-INDUCED ATROPHY IN HUMAN SKELETAL MUSCLE

Suetta, C. et al [Denmark]

DYNAMIC CHANGES IN DNA METHYLATION STATUS IN PBMCS FOLLOWING AN ACUTE BOUT OF EXERCISE: POTENTIAL IMPACT OF TEMPORAL ELEVATION IN IL-6 CONCENTRATIONS

Robson-Ansley, P. et al [United Kingdom]

THE ASSOCIATION OF GENES INVOLVED IN THE ANGIOGENESIS-ASSOCIATED CELL SIGNALING PATHWAY WITH RISK OF ANTERIOR CRUCIATE LIGAMENT RUPTURE

Rahim, M. et al [South Africa]

SPORT CONSUMPTION IN GERMANY

Alfs, C. [Germany]

COSTS AND BENEFITS OF DECEPTION: THE CASE OF PROFESSIONAL BASKETBALL PLAYERS AND REFEREES

Morgulev, E. et al [Israel]

CONTEXTUAL AND AGE GROUP EFFECTS IN POSITIVE DEVELOPMENT OF YOUTH SOCCER PLAYERS

Santibañes, A. et al [Portugal]

WINNING WITHOUT CONSEQUENCES: TENDENCIES OF DOPING AND ENHANCEMENT

Kredel, R. [Switzerland]

GOAL ORIENTATION IN SPORT AND PREFERRED COACHING STYLES AMONG YOUNG ATHLETES

Mohd Rasyid, N. et al [Malaysia]

THE EFFECT OF EXERCISE TRAINING INTENSITY ON FATTY ACID OXIDATION, NEAT, AND APPETITE IN OVERWEIGHT OBESITY MEN

Kredel, R. et al [Switzerland]

MUSCLE WATER DEFICIT DOES NOT INCREASE GYCOGENOLYSIS DURING INTENSE EXERCISE

Rathschlag, S. [Austria]

GOAL PERSPECTIVE AND PHYSICAL FITNESS

Mehus, I. [Norway]

THE EFFECT OF ADDITIONAL LINES ON A FOOTBALL FIELD ON ASSISTANT REFEREES’ POSITIONING AND OFFSIDE JUDGMENTS

Barte, J.C.M. et al [Netherlands]

MEASURING ACCELERATIONS AND DECELERATIONS IN SOCCER-SPECIFIC MOVEMENTS

Stevens, T.G.A. et al [Netherlands]

SOCCER ANALYSIS OF FAST ATTACK SEQUENCES THAT END IN GOAL: COMPARING REAL MADRID AND INTER MILAN

Barbosa, A. et al [Portugal]

RELATION BETWEEN DISTANCE FROM THE LEAST ADVANCED OUTFIELD DEFENDER TO HIS GOAL LINE ON ZONE OF THE PITCH WHERE THE BALL IS GAINED IN SOCCER

Añón Gómez, A. et al [Spain]
**Oral & Invited Presentations**

### Aula Magna 1 | IS-SH11

**In Pursuit of Active Aging - Achieving Sustained Physical Activity and Function in Older Adults**

**Chair(s):**

- Roelands, B. [Belgium]
- Stathi, A. [United Kingdom]

#### IS-SH11-1

- **10:20** [YIA] **OP-SH11-1**

  **OP-PM24**

  **Physiology** (PH) 1

  **Chair(s):**

  - Gemmusk, N. [Netherlands]
  - Draper, N. [New Zealand]

  **10:20** [YIA] **OP-PM24-1**

  **FOUR WEEKS OF REPEATED-SPRINT EXERCISE TRAINING UP-REGULATES THE NA+-K+-ATPASE B ISOFORM IN BOTH FAST AND SLOW TYPICAL SINGLE FIBRES IN HUMAN SKELETAL MUSCLE**

  Wyckelsma, V.L. et al [Australia]

  **10:35** [YIA] **OP-PM24-2**

  **HIGH INTENSITY INTERVAL AND TRADITIONAL ENDURANCE TRAINING BOTH INCREASE INSULIN SENSITIVITY, VO₂PEAK AND SKELETAL MUSCLE PERILIPIN 2 AND PERILIPIN 5 CONTENT IN SEDENTARY OBESE MALES**

  Shepherd, S. et al [United Kingdom]

  **10:50** [YIA] **OP-PM24-3**

  **EFFECTS OF HIGH-INTENSITY INTERVAL TRAINING ON MYOCARDIAL VASCULAR FUNCTION**

  Eskelinen, J.J. et al [Finland]

  **11:05** [YIA] **OP-PM24-4**

  **A NOVEL INSTRUMENTED BACKSTROKE START HANDGIMP**

  de Jesus, K. [Portugal]

  **11:20** [YIA] **OP-PM24-5**

  **FOOT STRIKE PATTERNS IN LONG-DISTANCE RUNNING: BIOMECHANICAL AND PHYSIOLOGICAL IMPLICATIONS**

  Oguebui-Alidari, A. et al [Spain]

#### IS-SH11-2

- **10:20** [YIA] **OP-SH11-2**

  **OP-PM24**

  **Physiology** (PH) 1

  **Chair(s):**

  - Gollhofer, A. [Germany]
  - Nicol, C. [France]

  **10:20** [YIA] **OP-PM24-1**

  **LEARNING TO MOVE FAST DEPENDS ON MEMORY OF SENSORFEEDBACK RELATED TO PREVIOUS MOVEMENTS**

  Lundbye-Jensen J. [Denmark]

  **10:35** [YIA] **OP-PM24-2**

  **BRAIN PLASTICITY IN FEEDBACK-MEDIATED LEARNING**

  Leukel, C. et al [Germany]

  **11:05** [YIA] **OP-PM24-3**

  **PRACTICAL IMPLICATIONS IN LEARNING WITH FEEDBACK**

  Tübke, W. [Switzerland]

#### IS-SH11-3

- **10:20** [YIA] **OP-SH11-3**

  **OP-PM24**

  **Physiology** (PH) 1

  **Chair(s):**

  - Fernández, F.A. et al [Spain]

  **11:05** [YIA] **OP-PM24-4**

  **BRAIN PLASTICITY IN FEEDBACK-MEDIATED LEARNING**

  Sanchis, M. et al [Spain]

  **11:35** [YIA] **OP-PM24-5**

  **FOOT STRIKE PATTERNS IN LONG-DISTANCE RUNNING: BIOMECHANICAL AND PHYSIOLOGICAL IMPLICATIONS**

  Oguebui-Alidari, A. et al [Spain]
Thursday, June 27th, 2013

10:20 - 11:50

Aula Magna 5  OP-PM11
Molecular Biology [MB] 1
Chair(s):
Bouchard, C. [United States]
ID:20  OP-PM11-1
REACTIVE OXYGEN SPECIES REGULATES MUSCLE SIGNALING AND POST EXERCISE INSULIN SENSITIVITY.
Stepto, N.K. et al [Australia]

Aula 1  IS-SH03
Transitions and strategies in top level sport
Chair(s):
Torregrosa, M. [Spain]
Vilanova, A. [Spain]
ID:20  IS-SH03-1
ENTERING AN ELITE SPORT TRAINING CENTER: MODALITIES OF ADAPTATION.
Ledon, A. et al [France]

Aula 2  IS-SH03
Implementation and impact of the Empowering Coaching programme in promoting children’s active and healthy engagement in sport: Findings from the PAPA main trial
Chair(s):
Duda, J. [United Kingdom]
Balaguer, I. [Spain]
ID:20  IS-SH03-2
EMPOWERING AND DISEMPOWERING COACH BEHAVIOURS, PLAYERS’ NEED SATISFACTION AND WELL-BEING IN THE CONTEXT OF SPANISH GRASSROOTS FOOTBALL: A MULTILEVEL ANALYSIS.
Balaguer, I. et al [Spain]

Aula 3  OP-SH06
Psychology [PS] 2
Chair(s):
Martínez Alvarez, L. [Spain]
ID:20  [YIA] OP-SH06-1
THE WAY OF GOAL STRIVING MATTERS: THE IMPACT OF PRIMED GOAL MOTIVES ON PERSISTENCE.
Healy, L. et al [United Kingdom]

Aula 4  OP-SH14
Sport Management [SM] 2
Chair(s):
Breedveld, K. [Netherlands]
ID:35  OP-SH14-1
THE ORGANIZATION OF SWEDISH TALENT DEVELOPMENT IN SOCCER: IMPACT ON PERFORMANCE.
Söderström, T. [Sweden]

Aula 1 IS-SH10
Implementation and impact of the Empowering Coaching programme in promoting children’s active and healthy engagement in sport: Findings from the PAPA main trial
Chair(s):
Duda, J. [United Kingdom]
Balaguer, I. [Spain]
ID:20  IS-SH10-1
EMPOWERING AND DISEMPOWERING COACH BEHAVIOURS, PLAYERS’ NEED SATISFACTION AND WELL-BEING IN THE CONTEXT OF SPANISH GRASSROOTS FOOTBALL: A MULTILEVEL ANALYSIS.
Balaguer, I. et al [Spain]

Aula 2  IS-SH10
GENERAL SELF-ESTEEM, VITALITY AND INTENSIVE PHYSICAL ACTIVITY: EVIDENCE FOR CROSS-CULTURAL INVARIANCE OF THEIR ASSOCIATION ACROSS 5 EUROPEAN COUNTRIES.
Papaiaonnou, A. et al [United Kingdom]

Aula 3  OP-SH06
THE ORGANIZATION OF SWEDISH TALENT DEVELOPMENT IN SOCCER: IMPACT ON PERFORMANCE.
Söderström, T. [Sweden]

Aula 4  OP-SH14
THE REGULATION OF CAREERS IN SPORT INDUSTRY.
Camps, A. et al [Spain]
Invited & Oral Presentations

Pavelló Síntec OP-PM43
Sports Medicine [SM] 4
Chair(s):
MacPhail, A. [Ireland]
16:20 OP-PM43-1
CARRIERS AND PERFORMANCE OVER TWO DAYS OF SIMULATED CROSS-COUNTRY SKIING COMPETITION
Stadheim, H.K. et al [Norway]
16:35 OP-PM43-2
EFFICACY OF FRWHEEL RESISTANCE EXERCISE TO MAINTAIN MUSCLE AND OXIDATIVE AND GLYCOLYTIC POTENTIAL OF MUSCLE DURING 90 D BED REST
Rodriguez-Miguelez, P. et al [Spain]
16:50 OP-PM43-3
CREATINE SUPPLEMENTATION ASSOCIATED OR NOT WITH STRENGTH TRAINING UPON DEPRESSION AND COGNITION IN OLDER WOMEN
Guailano, B. et al [Brazil]
17:05 OP-PM43-4
VITAMIN D DEFICIENCY AND EVALUATION OF APPLIED SUPPLEMENTATION IN POLISH ATHLETES
Kowalski, J. et al [Poland]
17:20 OP-PM43-5
MITOCHONDRIAL BIOGENESIS AND ENDURANCE PERFORMANCE IN RESPONSE TO HIGH INTENSITY INTERVAL TRAINING AND ENDURANCE TRAINING IN GAELIC FOOTBALL PLAYERS
Tobin, C. et al [Ireland]
17:35 OP-PM43-6
ORAL L-ARGININE MODULATES BLOOD LACTATE AND INTERLEUKIN-6 AFTER EXERCISE IN HIV INFECTED MEN
Alves, G.N. et al [Brazil]

Sala d'actes IS-PM03
Oxygenation and fatigue in humans: unavailing the mechanisms *
Chair(s):
Calbet, J. [Spain]
Hellsten, Y. [Denmark]
16:20 IS-PM03-1
BRAIN OXYGENATION AND FATIGUE ROLE OF Pao2 AND CaO2?
Calbet, J. [Spain]
16:50 IS-PM03-2
OXYGENATION AND TRAINING
Lundby, C. [Switzerland]
17:20 IS-PM03-3
NUCLEOTIDES, THE KEY TO HEALTH AND PERFORMANCE?
Hellsten, Y. [Denmark]

Aula Magna 1 IS-PM08
Limits to performance during short-term and prolonged exercise in the heat (sponsored by Aspetar)
Chair(s):
Mora-Rodriguez, R. [Spain]
16:20 IS-PM08-1
MARATHON PERFORMANCE IN A HOT ENVIRONMENT
Maughan R. [United Kingdom]
16:50 IS-PM08-2
CARDIOVASCULAR LIMITS DURING EXERCISE IN A HOT ENVIRONMENT
González-Alonso, J. [United Kingdom]
17:20 IS-PM08-3
METABOLIC LIMITATIONS DURING PROLONGED EXERCISE IN A HOT ENVIRONMENT
Mora-Rodriguez, R. [Spain]

Aula Magna 2 IS-PM11
Muscle mass regulation in humans: relative importance of protein synthesis and protein breakdown *
Chair(s):
Greenhaff, P. [United Kingdom]
16:20 IS-PM11-1
PROTEIN IN PROMOTING ADAPTATION WITH EXERCISE TRAINING
Phillips, S. [Canada]
16:50 IS-PM11-2
CARBOHYDRATES: IMMOBILISATION AND INFLAMMATION
Murton, A.J. [United Kingdom]
17:20 IS-PM11-3
AGING SARCOPENIA: EXERCISE AND NUTRITIONAL INTERVENTION
Atherton, P. [United Kingdom]

Aula Magna 3 OP-PM28
Physiology [PH] 5
Physiology [PH] 5
Chair(s):
Hettinga, F. [Netherlands]
Abeln, V. [Germany]
16:20 YIA OP-PM28-1
EFFECT OF ACUTE ISOMETRIC BILATERAL LEG EXTENSION EXERCISE ON BRACHIAL AND COMMON FEMORAL ARTERY FLOW MEDATED DILATATION
Howland, L.J. et al [United Kingdom]
16:35 YIA OP-PM28-2
EFFECTS OF DAWN SIMULATION ON MARKERS OF SLEEP INERTIA AND POST-WAKING PERFORMANCE IN HUMANS
Thompson, A. et al [United Kingdom]
16:50 YIA OP-PM28-3
POST-EXERCISE ELECTROCORTICAL ALTERATIONS INDUCED BY DIFFERENT RECOVERY INTERVENTIONS
De Pauw, K. et al [Belgium]
17:05 YIA OP-PM28-4
MODERATE FOOD RESTRICTION STIMULATES INCREASES IN APPETITE THAT DO NOT OCCUR IN RESPONSE TO AN EQUIVALENT EXERCISE-INDUCED ENERGY DEFICIT
Deighton, K. et al [United Kingdom]
17:20 YIA OP-PM28-5
CARDIAC FUNCTION AND LEFT VENTRICULAR MECHANICS IN MEN AND WOMEN AT REST AND DURING EXERCISE
Nio, A.Q.X. et al [United Kingdom]
17:35 YIA OP-PM28-6
PACING AND TECHNIQUE OF TALENTED SPEED SKATERS: PERSIST TO THE END.
Stoter, I.K. et al [Netherlands]

Aula Magna 4 IS-BN01
What the dynamics of team sports tell us about collective behaviours
Chair(s):
Button, C. [New Zealand]
Mennert, D. [Germany]
16:20 IS-BN01-1
INTER-TEAM DYNAMICS IN SOCCER: EVIDENCE FROM SMALL-SIDED GAMES AND FULL-SIZED MATCHES
Frenken, W. [Netherlands]
16:50 IS-BN01-2
PAIRED BEHAVIORS IN RUGBY UNION: THE COMPLEMENTARY BETWEEN STABILITY AND VARIABILITY
Passos, P. [Portugal]
17:20 IS-BN01-3
TEAM COORDINATION IN BASKETBALL: WHAT CAN VARIOUS LEVELS OF ANALYSIS REVEAL ABOUT INTERPERSONAL DYNAMICS?
Bourbousson, J. [France]

invited & oral
### IS-BN04: Cyclic sports: energetics, evaluation and constraints *

**Chair(s):**
- Arellano, R. [Spain]
- Seifert, L. [France]

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:20</td>
<td>INTER-LIMB COORDINATION IN SWIMMING: EFFECT OF EXPERTISE</td>
<td>Seifert, L. [France]</td>
</tr>
<tr>
<td>16:50</td>
<td>A LASER SYSTEM AS A TOOL FOR ASSESS PERFORMANCE IN REAL-TIME IN SPORTS</td>
<td>Ferro, A. [Spain]</td>
</tr>
<tr>
<td>17:20</td>
<td>ECONOMY AND EFFICIENCY IN CYCLIC SPORTS</td>
<td>Zamparo, P. [Italy]</td>
</tr>
</tbody>
</table>

### IS-SH04: The impact of sport for all policies on elite sporting success

**Chair(s):**
- De Bosscher, V. [Belgium]
- Monserrat, S. [United Kingdom]  

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:20</td>
<td>NEW INSIGHTS TO MEASURING THE PERFORMANCE OF NATIONS IN THE OLYMPIC GAMES</td>
<td>Shibli, S. [United Kingdom]</td>
</tr>
<tr>
<td>16:50</td>
<td>DOES MORE MONEY IN EQUAL MORE MEDALS OUT? AN INTERNATIONAL COMPARISON IN 25 COUNTRIES, RESULTS OF THE SPSS 2.0 STUDY</td>
<td>De Bosscher, V. et al [Belgium]</td>
</tr>
<tr>
<td>17:20</td>
<td>THE IMPACT OF SPORT FOR ALL POLICIES ON ELITE SPORTING SUCCESS</td>
<td>Dijk, B. et al [Netherlands]</td>
</tr>
</tbody>
</table>

### IS-SH09: Towards a theory of sports coaching

**Chair(s):**
- Jones, R.L. [United Kingdom]
- Mesquita, I. [Portugal]
- Ronglan, L.T. [Norway]

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:20</td>
<td>TOWARDS A THEORY OF COACHING: THE LEARNING ORDER</td>
<td>Jones, R.L. [United Kingdom]</td>
</tr>
<tr>
<td>16:50</td>
<td>TOWARDS A THEORY OF COACHING: THE TEMPORAL ORDER</td>
<td>Mesquita, I. [Portugal]</td>
</tr>
</tbody>
</table>

### OP-SH15: Biomechanics [BM] 1

**Chair(s):**
- Senner, V. [Germany]

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:20</td>
<td>PRELIMINARY STUDY: ELECTROMYOGRAPHICAL CHANGES IN BAREFOOT AND SHOD RUNNING, BEFORE AND AFTER A FATIGUING 10KM RUNNING TRIAL</td>
<td>Tam, N. et al [South Africa]</td>
</tr>
<tr>
<td>16:35</td>
<td>GENDER DIFFERENCES IN FORCE APPLICATION DURING OFFENSIVE AND DEFENSIVE AGILITY MOVEMENTS</td>
<td>Spiteri, T. et al [Australia]</td>
</tr>
<tr>
<td>16:50</td>
<td>UNWEIGHTING STATE AS A PREPARATORY MOVEMENT SHORTEN THE SIDESTEP INITIATION FOR BASKETBALL PLAYERS IN 1-ON-1 BASKETBALL SITUATION</td>
<td>Fujii, K. et al [Japan]</td>
</tr>
<tr>
<td>17:05</td>
<td>ENERGETIC COST OF LOCOMOTION AND BIOMECHANICAL ASPECTS OF THE DOUBLE POLING TECHNIQUE</td>
<td>Zoppirolli, C. [Italy]</td>
</tr>
<tr>
<td>17:20</td>
<td>LOCOMOTION ADAPTATION WITH AGE - CHANGES IN JOINT MOMENTS AND POWERS DURING WALKING, RUNNING AND SPINNING</td>
<td>Kulmala, J.P. et al [Finland]</td>
</tr>
<tr>
<td>17:35</td>
<td>RUNNING PERFORMANCE ON DIFFERENT SURFACES IN ELITE AND AMATEUR ORIENTEER ATHLETES</td>
<td>Hebert-Losier, K. et al [Sweden]</td>
</tr>
</tbody>
</table>
Oral & Invited Presentations

Pavelló Sintètic  OP-PM21

Platen, P. [Germany]
Derave, W. [Belgium]

18:00  OP-PM21-1
BEETROOT JUICE AND EXERCISE: THE PHARMACOKINETIC-PHARMACODYNAMIC AND DOSE-RESPONSE RELATIONSHIPS

Wylie, L. et al. [United Kingdom]

18:15  OP-PM21-2
EFFECTS OF COMBINED SUPPLEMENTATION OF DETERMINED NITRATE AND L-ARGININE ON PHYSIOLOGICAL RESPONSES, SPINNING, ENDURANCE PERFORMANCE

Bucht, Sandbakk, S. et al. [Norway]

18:30  OP-PM21-3
DOES SODIUM BICARBONATE LOADING IMPROVE ENDURANCE PERFORMANCE?

Williford, H. et al. [United States]

18:45  OP-PM21-4
EFFECT OF TWO BUFFERING AGENTS ON REPEATED SPRINTS DURING INTERMITTENT EXERCISE PERFORMED UNDER HYPOXIC CONDITIONS

Saunders, B. et al. [Brazil]

19:00  OP-PM21-5
PROTEIN-LEUCINE INGESTION FOLLOWING INTENSE ENDURANCE EXERCISE STIMULATES A REGENERATIVE INFLAMMATORY TRANSCRIPTOME IN SKELETAL MUSCLE

Rowlands, D. et al. [New Zealand]

Session Chair: Collin, M. [South Africa]

Salas d'actes  OP-PM27

Physiology (PH) 4

18:00  OP-PM27-1
PLASMA ADIPOKINE CONCENTRATIONS IN PREPUBERAL CHILDREN WITH DIFFERENT LEVELS OF CARDIORESPIRATORY FITNESS AND PHYSICAL ACTIVITY

Strandberg, T.L. et al. [Sweden]

18:15  OP-PM27-2
INVESTIGATION OF COL3A1, COL6A1 AND COL12A1 POLYMORPHISMS WITH ANTERIOR CRUCIATE LIGAMENT RUPTURE IN TWO INDEPENDENT POPULATIONS

O’Connell, K. et al. [South Africa]

18:30  OP-PM27-3
POVERNTAINMENT INDUCED BY MAXIMAL VOLUNTARY CONTRACTIONS OF THE QUADRICEPS DIFFERENCES BETWEEN OVER-THE-MUSCLE AND FEMORAL NERVE SIMULATION

Rodriguez-Falces, J. et al. [Spain]

Aula Magna 1  OP-PM05

Health and Fitness (HF) 1

18:00  OP-PM05-1
STRENGTH, AEROBIC AND COGNITIVE EXERCISE TO IMPROVE EXECUTIVE FUNCTION

Eggerberger, P. et al. [Switzerland]

18:15  OP-PM05-2
Twitch and M-WAVE POTENTIATION INDUCED BY MAXIMAL VOLUNTARY CONTRACTIONS OF THE QUADRICEPS

Rodriguez-Falces, J. et al. [Spain]

18:30  OP-PM05-3
SPONTANEOUS PHYSICAL ACTIVITY, AEROBIC PHYSICAL EXERCISE AND CORTISOL TO DEHYDROEPIANDROSTERONE SULFATE RATIO IN POSTMENOPAUSAL

Di Blasio, A. et al. [Italy]

Aula Magna 2  OP-PM56

Training and Testing (TT) 10

18:00  OP-PM56-1
STRENGTH TRAINING MAY ENTAIL A LOWER OVERLOAD RISK TO KNEE AND ANKLE. AN INFRARED THERMOGRAPHY STUDY

Fernández-Cuevas, I. et al. [Spain]

18:15  OP-PM56-2
OPTIMAL JAMMAR DYNAMOMETER HANDLE POSITION TO ASSESS MAXIMAL ISOMETRIC HAND GRIP STRENGTH IN EPIDEMIOLOGICAL STUDIES

Trampisch, U. et al. [Germany]

18:30  OP-PM56-3
EFFECTS OF STRENGTH AND HIGH-INTENSITY TRAINING ON JUMPING, SPRINTING AND INTERMITTENT PERFORMANCE IN PREPUBLERTAL SOCCER PLAYERS

Ferre, C. et al. [Spain]

18:45  OP-PM56-4
EFFECT OF A TYPICAL IN-SEASON WEEK ON STRENGTH JUMP AND SPRINT PERFORMANCES IN NATIONAL-LEVEL FEMALE BASKETBALL PLAYERS

Calleja-González, J. et al. [Spain]

Aula Magna 3  OP-BN03

Biomechanics (BM) 3

18:00  OP-BN03-1
PHYSIOLOGICAL AND BIOMECHANICAL ANALYSIS OF THE ARM SWING IN ROLLER SKIING

Hege, A. et al. [Norway]

18:15  OP-BN03-2
DIALECTICAL COMPLEXITY APPROACH TO A CONTESTING ATHLETE IN TEAM SPORTS

Lebed, F. et al. [Israel]

18:30  OP-BN03-3
ANALYSIS OF THE ARM SWING IN ROLLER SKIING

Schäfer, K. et al. [Germany]

18:45  OP-BN03-4
BONE MECHANICALLY RELEVANT EVENTS IN FIGURE SKATING SINGLE JUMPS CAN BE DETERMINED BY UNIAXIAL ACCELERATION DATA

Schäfer, K. et al. [Germany]

Aula Magna 4  OP-BN12

Motor Learning (ML) 3

18:00  OP-BN12-1
AN ANALYSIS OF HERDING BEHAVIORS IN BASKETBALL AS A FUNCTION OF SKILL LEVEL

Chow, J.Y. et al. [Singapore]

18:45  OP-BN12-2
DOES PHYSICAL TRAINING INFLUENCE THE INCRETIN EFFECT?

Schmidt, M. et al. [Germany]
**Aula Magna 5**  OP-BN04

**Biomechanics [BM]** 4

Chair(s):
Potthast, W. [Germany]
Cronin, N. [Finland]

18:00  OP-BN04-1
THE INFLUENCE OF 6 WEEKS OF MAXIMAL ECCENTRIC PLANTARFLEXOR TRAINING ON MUSCLE-TENDON MECHANICS.
Kay, A.D. et al [United Kingdom]

18:15  OP-BN04-2
DOES MUSCLE ACTIVATION ALTER SYNERGISTIC MUSCLE BEHAVIOR?
Finni, T. et al [Finland]

18:30  OP-BN04-3
STANCE LIMB KINETICS OF OLDER MALE ENDURANCE RUNNING PERFORMANCE.
Diss, C.E. et al [United Kingdom]

18:45  OP-BN04-4
AGE-RELATED FASCICLE-TENDON INTERACTION IN REPETITIVE HOPPING.
Hoffrén-Mikkola, M. et al [Finland]

19:00  OP-BN04-5
RAPID STRETCHING OF THE ACTIVATED AGEING MUSCLE INDUCES FAVORABLE MECHANICAL, MORPHOMETRIC, AND HORMONAL CHANGES.
Václavík, M. et al [Hungary]

19:15  OP-BN04-6
López, J.L. et al [Spain]

**Aula 1**  OP-PM19

**Neuromuscular Physiology [NP]** 6

Chair(s):
Nosaka, K. [Australia]
Leukel, C. [Germany]

18:00  OP-PM19-1
ANTICIPATORY REGULATION DURING REPEATED SPRINTS IS BASED ON LOCOMOTOR MUSCLE FATIGUE.
Billaut, F. et al [Canada]

18:15  OP-PM19-2
RESIDUAL FORCE ENHANCEMENT - A BENEFICIAL MUSCULAR PROPERTY?
Hahn, D. et al [Germany]

18:30  OP-PM19-3
NEUROMUSCULAR RECRUITMENT AND COMMON DRIVE OF THE KNEE EXTENSORS FOLLOWING ACUTE ACCENTUATED ECCENTRIC LOAD.
Hunter, A.M. et al [United Kingdom]

18:45  OP-PM19-4
ANKLE DESTABILISATION DEVICE FOR INJURY PREVENTION OR REHABILITATION IN SPORT.
Paizis, C. et al [France]

19:00  OP-PM19-5
REDUCED TYPE IA AFFERENT FEEDBACK DOES NOT INFLUENCE QUADRICEPS MAXIMAL AND EXPLOSIVE ISOMETRIC FORCE PRODUCTION IN MAN.
Fry, A. et al [United Kingdom]

19:15  OP-PM19-6
TORQUE ANGLE RELATIONSHIPS OF THE ELBOW FLEXORS AND EXTENDERS IN HEALTHY FEMALES.
Penceva, N. et al [Bulgaria]

**Aula 2**  OP-SH10

**Psychology [PS]** 6

Chair(s):
Chroni, S. [Greece]

18:00  OP-SH10-1
THE MEDIATION OF MASTERY ORIENTED CLIMATE BETWEEN COACH INITIATED PROSOCIAL BEHAVIOR AND PROSOCIAL BEHAVIOR IN SPORTS.
Wagner, S. et al [Sweden]

18:15  OP-SH10-2
QUALITATIVE ANALYSIS OF A SELF-DETERMINATION THEORY-BASED INTERVENTION IN SCHOOL TO PROMOTE PHYSICAL ACTIVITY.
González-Cutre, D. et al [Spain]

18:30  OP-SH10-3
MOTIVATION IN ADOLESCENTS’ PHYSICAL ACTIVITY OF TWO EUROPEAN COUNTRIES.
Aibar, A. et al [Spain]

18:45  OP-SH10-4
EXPLORING STIGMATISATION OF EATING DISORDERS IN SPORT.
McArdle, S. et al [Ireland]

19:00  OP-SH10-5
MOTIVATION, BODY WEIGHT CONTROL AND PHYSICAL EXERCISE: EVALUATION BETWEEN MEN AND WOMEN.
Rosa, J.P.P. et al [Brazil]

19:15  OP-SH10-6
CONSIDERING TEMPORAL EVOLUTION OF DEPRESSIVE SYMPTOMATOLOGY: A LONGITUDINAL STUDY INVOLVING PHYSICAL ACTIVITY.
Vachon, H. et al [France]
ORAL SESSIONS

Sala d'actes OP-PM49
Training and Testing [TT] 3

- Hypoxia for health and fitness*
  Chair(s):
  Mennert, D. [Germany]
  Schilling i del Alcázar, X. [Spain]
- Heart Rate Variability Threshold Predicts the Training Threshold in World-Class Road Cyclists
  Garcia-Tabar, I. et al. [Spain]
- Relationship Between Heart Rate Recovery and Lactate Thresholds in Elite Soccer Players
  Baumgart, C. et al. [Germany]

Aula Magna 1 IS-PM14
Hypoxia for health and fitness*

- Adapted Physical Activity [AP] 1
  Chair(s):
  van Meeteren, N. [Netherlands]
  Aranda-Garcia, S. [Spain]
- Exercise Augmentation Compared to Usual Care for Posttraumatic Stress Disorder. A Randomised Controlled Trial: Results From the REAP Trial
  Rosenbaum, S. et al. [Australia]
- Concentric and Eccentric Torque in COPD Patients vs. Healthy Control
  Rinaldo, N. et al. [Italy]

Aula Magna 2 OP-PM01
Adapted Physical Activity [AP] 1

- Biomechanics [BM] 7
  Chair(s):
  Brüggemann, G. [Germany]
  Posthumus, M. [South Africa]
- Involvement of Oxidative Stress in Prostate Cancer Progression: A Preventive Effect of Fish Oil Activity and/or Pomegranate Juice?
  Guéritat, J. et al. [France]
- Monitoring Recovery During the In-Season Competitive Phase in Elite Soccer Players
  Thorpe, P. et al. [United Kingdom]

Aula Magna 3 OP-BN07
Biomechanics [BM] 7

- Genes Encoding Proteoglycans Are Associated With the Risk of Anterior Cruciate Ligament Ruptures
  Mannion, S. et al. [South Africa]
<table>
<thead>
<tr>
<th>Aula Magna 5</th>
<th>OP-PM04</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biochemistry [BC] 1Biochemistry Chair(s): Prats, C. [Denmark] Nielsen, J. [Denmark]</td>
<td></td>
</tr>
<tr>
<td>08:30</td>
<td>OP-PM04-1 EFFECT OF A FUTSAL MATCH ON LYMPHOCYTE SURFACE MARKERS FOR APOTOPSIS AND ROS PRODUCTION Hatanaka, E. et al [Brazil]</td>
</tr>
<tr>
<td>08:45</td>
<td>OP-PM04-2 SALIVARY HORMONAL PROFILE IN RELATION WITH BONE-MUSCLE ACTIVITY OVER A CYCLING STAGE RACE Lombardi, G. et al [Italy]</td>
</tr>
<tr>
<td>09:00</td>
<td>OP-PM04-3 THE EFFECTS OF NAC SUPPLEMENTATION ON T2DM PATIENTS WITH Insulin RECEPTOR DEFICIENCY Jamurtas, A. et al [Greece]</td>
</tr>
<tr>
<td>09:15</td>
<td>OP-PM04-4 MUSCLE FIBRE TYPE DOES NOT EXPLAIN POOR MUSCLE STRENGTH IN MCVADDIE PATIENTS Kohn, TA. et al [South Africa]</td>
</tr>
<tr>
<td>09:30</td>
<td>OP-PM04-5 THE EFFECT OF SOCCER TRAINING AND EXERCISE ON DNA STABILITY AND OXIDATIVE STRESS STATUS Baralic, I. et al [Serbia]</td>
</tr>
<tr>
<td>09:45</td>
<td>OP-PM04-6 BLOOD LACTATE KINETICS AND MUSCLE POWER FOLLOWING ONE SESSION OF HIGH INTENSITY INTERVAL TRAINING AND HIGH INTENSIVE TRAINING IN YOUNG AND ADULT MALE ATHLETES Engel, F. et al [Germany]</td>
</tr>
</tbody>
</table>

| Aula 1 | OP-SH04 |
| Aula 2 | OP-SH08 |
| Aula 3 | OP-SH11 |
| Aula 4 | OP-PM44 |
| Physical Education and Pedagogics [PP] 3 Chair(s): Knoppers, A. [Netherlands] Chow, J. [Singapore]  |
| 08:30 | OP-SH04-1 JOINING THE DOTS: WHO ARE THE BEGINNING TEACHERS? Queirós, P. et al [Portugal]  |
| 08:45 | OP-SH04-2 THE HIDDEN LEARNING OBJECTIVES IN PE – PROBLEMATIC OR NOT? Redelius, K. et al [Sweden]  |
| 09:00 | OP-SH04-3 EFFECTS OF A SHORT-TERM SERVICE LEARNING EXPERIENCE ON PHYSICAL EDUCATION PRE-SERVICE TEACHERS CULTURAL COMPETENCY AND TEACHING SKILLS. Peralta, L.R. et al [Australia]  |
| 09:15 | OP-SH04-4 THE SOCIAL CONSTRUCTION OF PEDAGOGIC DISCOURSE DURING A DECADE OF CHANGE IN ENGLAND 2000-2010 Jung, H. et al [United Kingdom]  |
| 09:30 | OP-SH04-5 PE TEACHERS’ CONSTRUCTIONS OF SOCIAL AND BODILY DIVERSITY AND THEIR INFLUENCE ON TEACHING PROCESSES IN MULTI-CULTURAL PE CLASSES IN SECONDARY SCHOOLS IN THE NETHERLANDS Van Doodewaard, C.L et al [Netherlands]  |
| 09:45 | OP-SH04-6 FACTORS INFLUENCING PARENTS’ INVOLVEMENT IN A SCHOOL-BASED INTERVENTION FOR THE PROMOTION OF PHYSICAL ACTIVITY AND HEALTHY EATING Beltrán-Carrillo, V. et al [Spain]  |
| Psychology [PS] 4 Chair(s): Bourbousson, J. [France]  |
| 08:30 | OP-SH08-1 THE INTERRELATION OF SPORT PSYCHOLOGY AND SPORT SCIENCES IN THE PREPARATION OF ELITE PERFORMERS. Fink, C. et al [United States]  |
| 08:45 | OP-SH08-2 IDENTIFYING EDUCATION IN PROFESSIONAL YOUTH TEAM LEADERSHIP MITCHELL, T.O. et al [United Kingdom]  |
| 09:00 | OP-SH08-3 BREAKING WAVES: THE WITHIN-CAREER TRANSITIONS EXPERIENCED BY A HIGH PERFORMANCE ADOLESCENT SWIMMER. Lyons, D. et al [Ireland]  |
| 09:15 | OP-SH08-4 A QUALITATIVE EXPLORATION OF ATHLETES' EXPERIENCES OF A THREE TIER POST-OLYMPIC DEBRIEFING PROGRAMME. Moore, P. et al [Ireland]  |
| 09:30 | OP-SH08-5 THEMOTHERSPSYCHOLOGICAL SUPPORT IN HIGH LEVEL SPORT Palomo, M. et al [Spain]  |
| 09:45 | OP-SH08-6 MOTIVATIONS OF MASTERS SURF LIFESAVERS Reddan, G. [Australia]  |
| Sociology [SO] 1 Chair(s): Vertinsky, P. [Canada]  |
| 08:30 | OP-SH11-1 SPORT SCIENCE IN EUROPE: FIRST STEPS IN A ‘SCIENCE STUDIES’ RESEARCH PROJECT Carry, J. [France]  |
| 08:45 | OP-SH11-2 PHYSICAL EDUCATION TEACHER EDUCATION IN FINLAND – FOUNDATION BUILT FOR HIGHER EDUCATION IN THE 1960s Lahl, J. [Finland]  |
| 09:00 | OP-SH11-3 COACHES ALTERNATIVE DEFINITIONS OF THEIR PROFESSIONAL SUCCESS Dumitrăș, C. [Romania]  |
| 09:15 | OP-SH11-4 SPORT ATTITUDES AND MOTIVATIONAL CLIMATE TWO CONTRASTING FOOTBALL CLUBS Domingues, M. et al [Portugal]  |
| 09:30 | OP-SH11-5 THE MOTHER'S PSYCHOLOGICAL SUPPORT IN HIGH LEVEL SPORT Palomo, M. et al [Spain]  |
| 09:45 | OP-SH11-6 FACTORS INFLUENCING PARENTS’ INVOLVEMENT IN A SCHOOL-BASED INTERVENTION FOR THE PROMOTION OF PHYSICAL ACTIVITY AND HEALTHY EATING Beltrán-Carrillo, V. et al [Spain]  |
| Sports Medicine [SM] 5 Chair(s): Torres, L. [Spain]  |
| 08:30 | OP-PM44-1 BENEFITS OF FIFA 11+ Protocols for Elite Football Players Fink, C. et al [United States]  |
| 08:45 | OP-PM44-2 INJURIES IN GERMAN ELITE MENS HANDBALL – VIDEO ANALYSIS OF MATCH INJURIES Luig, P. et al [Germany]  |
| 09:00 | OP-PM44-3 DO ELITE RUGBY PLAYERS WITH REPEATEDLY INJURED HAMSTRINGS DEMONSTRATE ALTERED GLUTEAL HAMSTRING RECRUITMENT PATTERN WHEN SPREITING? Brett, A.N. et al [United Kingdom]  |
| 09:15 | OP-PM44-4 THE ANALYSIS OF MOTOR SKILLS, FUNCTIONAL MOVEMENT AND PREVENTION OF INJURY IN ELITE YOUNG SOCCER PLAYERS Zalai, D. et al [Hungary]  |
**ACSM Exchange symposium: Exercise - Thermoregulation**

**Chair(s):**
- Meeusen, R. [Belgium]
- Kalinski, M. [United States]

**Pavelló Sintètic IS-PM02**

**10:20 IS-PM02-1**

INTEGRAL HEAT TRANSFER IN EXERCISING HUMANS

Kenney, W. [United States]

10:50 IS-PM02-2

HEAT TRANSFER FROM SKIN TO ENVIRONMENT IN HYPERTHERMIC HUMANS

Havenith, G. [United Kingdom]

---

**Sala d’actes OP-PM45**

**Sports Medicine [SM] 6**

**10:20 OP-PM45-1**

PERSISTENCE OF EXERCISE ADAPTATIONS AFTER ONE MONTH OF DETERMINATION IN METABOLIC SYNDROME PATIENTS

Hamouti, N. et al [Spain]

**10:35 OP-PM45-2**

CARDIAC SCREENING BEFORE MARATHON?

Scherr, J. [Germany]

**10:50 OP-PM45-3**

IMMUNONUTRITION SUPPORT FOR ATHLETES: BENEFIT OR HAZARDS?

Nieman, D. [United States]

**11:05 OP-PM45-4**

EVIDENCE FOR CARDIAC STRAIN DURING A MARATHON

George, K. [United Kingdom]

---

**Aula Magna 1 IS-PM15**

**Can exercise damage the heart**

**Chair(s):**
- Halle, M. [Germany]
- Vainoras, A. [Lithuania]

**10:20 IS-PM15-1**

DOES MARATHON INCREASE INCIDENCE OF SUDDEN DEATH?

Halle, M. [Germany]

**10:50 IS-PM15-2**

ROBOTICS AS A TOOL TO UNDERSTAND HUMAN MOTOR LEARNING

Stein, T. [Germany]

**11:20 IS-PM15-3**

IMPACT OF MUSCLE FATIGUE ON HUMAN MOTION IN ATHLETES: BENEFIT OR HAZARDS?

Nieman, D. [United States]

**11:50 IS-PM15-4**

EVIDENCE FOR CARDIAC STRAIN DURING A MARATHON

George, K. [United Kingdom]

---

**Aula Magna 2 IS-PM04**

**Mitochondrial structural organization, dynamics and function**

**Chair(s):**
- Prats, C. [Denmark]
- García-Rovés, P. [Spain]

**10:20 IS-PM04-1**

ROLE OF MITOCHONDRIAL FUSION PROTEINS ON EXERCISE TRAINING

Zorzano, A. [Spain]

**10:50 IS-PM04-2**

METABOLIC AND NEUROMUSCULAR FATIGUE INDUCED BY REPEATED WINGATE TESTS

Place, N. et al [Switzerland]

**11:05 IS-PM04-3**

FUNCTION OF THE VASTUS LATERALIS MUSCLE FIBERS DURING A RAPID KNEE EXTENSION

Ogiso, K. et al [Japan]
Aula Magna 5  IS-BN03
Biomechanical human-environment interaction
Chair(s):
Brüggemann, G. [Germany]
Angulo-Barroso, R. [Spain]
10:20  IS-BN03-1
THE EFFECT OF DIFFERENT SKI-SNOW INTERACTION MODES ON THE HUMAN BODY
Kröll, J. et al [Austria]
10:50  IS-BN03-2
ESTIMATING AND ADJUSTING FOR EFFECTS OF ENVIRONMENTAL FACTORS IN SPORT RESEARCH
Hopkins, W.G. et al [New Zealand]
11:20  IS-BN03-3
GROUND-SHOE-FOOT INTERACTION TO BIOMECHANICS OF THE MUSCULAR-SKELETAL SYSTEM IN LOCOMOTION
Brüggemann, G.P. et al [Germany]

Aula 1  IS-SH06
Ethico-legal perspectives on justice in sport
Chair(s):
McNamee, M. [United Kingdom]
Pérez Triviño, J. [Spain]
10:20  IS-SH06-1
PRIVACY VS ANTIDOPING POLICIES
Nicolas, P. [Spain]
10:50  IS-SH06-2
VALUE PLURALISM IN SPORTS: JUSTICE AND CHEATING
Tamburrini, C. [Sweden]
11:20  IS-SH06-3
LUCK EGALTARIANISM, JUSTICE AND SPORT
Pérez Triviño, J.L. [Spain]

Aula 2  IS-SH02
Body projects and the embodiment of gender and ethnicity
Chair(s):
Pfister, G. [Denmark]
10:20  IS-SH02-1
TRANSGENDERISM - CONFLICTS AND CONTROVERSIES ABOUT GENDER IDEOLOGY AT INTERNATIONAL SPORT COMPETITIONS
Pfister, G. [Denmark]
10:50  IS-SH02-2
CHALLENGING THE NORM? PHYSICAL IMPAIRMENT, ACTIVE AGING AND SPORTING BODIES
Knoppers, A. et al [Netherlands]

Aula 3  OP-PM02
Adapted Physical Activity [AP] 2
Chair(s):
Guerra, M. [Spain]
Giné-Garriga, M. [Spain]
10:20  OP-PM02-1
PARENTAL SOCIO-ECONOMIC POSITION AND BEHAVIOR INFLUENCING HABITUAL PHYSICAL ACTIVITY AMONG 6-YEAR OLD CHILDREN: A REPRESENTATIVE COMMUNITY STUDY
Aaspik, N.P. et al [Norway]
10:35  OP-PM02-2
POSITIVE INFLUENCE OF ACOUSTIC FEEDBACK FOR ELITE ATHLETES IN ROWING
Schaffert, N. et al [Germany]
10:50  OP-PM02-3
UPPER BODY TRAINING AND EXERCISE INTENSITY IN HANDBALL: A PROSPECTIVE EPIDEMIOLOGICAL INVESTIGATION
Hettinga, F. et al [Netherlands]
11:05  OP-PM02-4
“CALCIPENSIERI” PROJECT: AN ADD-ON TREATMENT IN THE MANAGEMENT OF SUBJECTS WITH SCHIZOPHRENIA
Battaglia, G. et al [Italy]
11:20  OP-PM02-5
AN ANALYSIS OF HOW TWO DIFFERENT FRONT FOOT POSITIONS INFLUENCE ACCELEROMETERS ON PREDICTION OF PHYSICAL ACTIVITY LEVEL IN WHEELCHAIR USERS
Nightingale, T.E. et al [United Kingdom]
11:35  OP-PM02-6
INFLUENCE OF ANATOMICAL PLACEMENT OF ACCELEROMETERS ON PREDICTION OF PHYSICAL ACTIVITY ENERGY EXPENDITURE IN WHEELCHAIR USERS

Aula 4  OP-PM41
Sports Medicine [SM] 2
Chair(s):
Gratas- Delamarche, A. [France]
Verhagen, E. [Netherlands]
10:20  OP-PM41-1
ANKLES BACK IN CONTROL: BRACES VERSUS NEUROMUSCULAR EXERCISES FOR THE SECONDARY PREVENTION OF ANKLE INJURIES
Janssen, K.W. et al [Netherlands]
10:35  OP-PM41-2
MorPHOLOGICAL CHARACTERISTICS OF THE FOOT WITH JONES FRACTURE IN UNIVERSITY SOCCER PLAYERS
Fujita, K. et al [Japan]
10:50  OP-PM41-3
SPORTS INJURIES AMONGST UNIVERSITY PHYSICAL EDUCATION STUDENTS - A PROSPECTIVE EPIDEMIOLOGICAL INVESTIGATION
Mukhejee, S. [Singapore]
11:05  OP-PM41-4
EPIDEMIOLOGY OF INJURIES IN MIXED MARTIAL ARTS: A SYSTEMATIC REVIEW WITH META-ANALYSIS
Lystad, R.P. et al [Australia]
11:20  OP-PM41-5
AN ANALYSIS OF HOW TWO DIFFERENT FRONT FOOT POSITIONS INFLUENCE ACCELEROMETERS ON PREDICTION OF PHYSICAL ACTIVITY LEVEL IN WHEELCHAIR USERS
Iwamoto, S. et al [Japan]

Friday, June 28th, 2013
<table>
<thead>
<tr>
<th>Sala d'actes</th>
<th>OP-PM46</th>
</tr>
</thead>
<tbody>
<tr>
<td>The brain at work *</td>
<td></td>
</tr>
</tbody>
</table>

**Chair(s):**
- Secher, N. [Denmark]
- Meeusen, R. [Belgium]

**16:20**
- EXERCISE IN THE HEAT
- Nybo, L. [Denmark]

**16:50**
- EFFECT OF ORTHOSTASIS ON CEREBRAL BLOOD FLOW AND OXYGENATION
- Van Lieshout, J. [Netherlands]

**17:20**
- CEREBRAL BLOOD FLOW AND METABOLISM DURING EXERCISE
- Secher, N. [Denmark]

<table>
<thead>
<tr>
<th>Aula Magna 1</th>
<th>IS-BN09</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomechanics in disability sport: Challenges and solutions *</td>
<td></td>
</tr>
</tbody>
</table>

**Chair(s):**
- Potthast, W. [Germany]
- Guerra, M. [Spain]

**16:20**
- MODELING AND OPTIMAL CONTROL OF DOUBLE AMPUTEE RUNNING
- Mombaur, K. [Germany]

**16:50**
- BIKE аCTIVITY Monitoring and physical activity levels
- Donaire-Gonzalez, D. et al. [Spain]

**17:20**
- THE CONTRIBUTION OF YOUTH SPORT TOWARDS WEEKEND AND WEEKLY PHYSICAL ACTIVITY AND RELATIONSHIPS WITH INDICATORS OF ADIPOSY AND CARDIOVASCULAR RISK
- Fenton, S. et al. [United Kingdom]

<table>
<thead>
<tr>
<th>Aula Magna 2</th>
<th>OP-PM09</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health and Fitness [HF] 5</td>
<td></td>
</tr>
</tbody>
</table>

**Chair(s):**
- Miyashita, M. [Japan]
- Puig Riba, A. [Spain]

**16:20**
- USING THE ACTIVE WORKSTATION: CAN WE BE ACTIVE AT WORK AND STILL BE PRODUCTIVE?
- Walsh, M. et al. [United States]

**16:50**
- BIKE аCTIVITY Monitoring and physical activity levels
- Donaire-Gonzalez, D. et al. [Spain]

**17:20**
- THE CONTRIBUTION OF YOUTH SPORT TOWARDS WEEKEND AND WEEKLY PHYSICAL ACTIVITY AND RELATIONSHIPS WITH INDICATORS OF ADIPOSY AND CARDIOVASCULAR RISK
- Fenton, S. et al. [United Kingdom]

<table>
<thead>
<tr>
<th>Aula Magna 3</th>
<th>OP-BN05</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomechanics of sport equipment: Triad of performance, comfort and injury prevention *</td>
<td></td>
</tr>
</tbody>
</table>

**Chair(s):**
- Schwameder, H. [Austria]
- Ballus, X. [Spain]

**16:20**
- BIOMECHANICS OF SPORT EQUIPMENT: TRAD OF PERFORMANCE, COMFORT AND INJURY PREVENTION
- Schwameder, H. [Austria]

**16:50**
- METHODOLOGICAL CHALLENGES AND BEST PRACTICE EXAMPLES IN SPORTS TECHNOLOGY RESEARCH AND DEVELOPMENT
- Senner, V. [Germany]

**17:20**
- ALPINE SKI RACING EQUIPMENT – THE CHALLENGE OF BALANCING PERFORMANCE AND SAFETY ASPECTS
- Spörri, J. et al. [Austria]
Evolution and adaptation in human locomotion *

Chair(s):
Grey, M. [United Kingdom]
Cronin, N. [Finland]

16:20 IS-BN06-1
MESSING WITH EVOLUTION: EXAMPLES FROM HUMAN WALKING
Cronin, N. et al [Finland]

16:50 IS-BN06-2
CORTICAL ADAPTATIONS FOR HUMAN WALKING
Grey, M.J. [United Kingdom]

17:20 IS-BN06-3
NEUROMUSCULAR INTERACTION DURING RUNNING FOR ELITE LONG-DISTANCE RUNNERS
Ishikawa, M. et al [Japan]

Training and Testing [TT] 6

Aula Magna 5  OP-PM52

Strategies for preventing sexual harassment in sport – in between voluntariness and obligation

Chair(s):
de Ruiter, J. [Netherlands]
Hartmann-Tews, I. [Germany]

16:20 OP-PM52-1
DIFFERENCES IN SWIMMING FORCE METRICS INDUCED BY GENDER
Amaro, N. et al [Portugal]

16:35 OP-PM52-2
REPRODUCIBILITY OF SELECTED PHYSIOLOGICAL PARAMETERS IN SWIMMING
Götz, J.K. et al [Germany]

17:05 OP-PM52-3
A MODIFIED METHOD OF TRIMP CALCULATION TO QUANTIFY TRAINING LOAD IN ELITE SWIMMERS
Garcia-Ramos, A. et al [Spain]

17:20 OP-PM52-4
TRAINING VOLUME OF TRAITEES OF DIFFERENT AGE CATEGORIES: A NATIONAL INVESTIGATION
Corrado, S. et al [Italy]

17:20 OP-PM52-5
PLAYERS BORN DURING EVEN YEARS ARE MORE SUCCESSFUL IN ELITE HANDICAP TABLE TENNIS
Karcher, C. et al [France]

Aula 2  IS-SH08

Chair(s):
Fox, K. [United Kingdom]

16:20 OP-PM07-1
PERCEPTIONS AND AWARENESS OF PARENTS ABOUT PEDIATRIC OBESEITY: THE ACORDA PROJECT
Lagoa, M.J. et al [Portugal]

16:35 OP-PM07-2
THE REAL ENERGY EXPENDITURE OF OBESE ADULTS IN A FITNESS WORKOUT
Vallejo, L. et al [Spain]

16:50 OP-PM07-3
CHANGES IN ADIPOSITY AMONG PORTUGUESE YOUTH WITH OR WITHOUT INDUCTED COUNSELING APPROACH AS PART OF A SCHOOL-BASED PROGRAM: THE ACORDA PROJECT
Aires, L. et al [Portugal]

17:05 OP-PM07-4
INFLUENCE OF THE BMI ON THE MOTOR DEVELOPMENT OF CHILDREN AND ADOLESCENTS
Albrecht, C. et al [Germany]

17:20 OP-PM07-5
EFFECTS OF HOSPITALIZATION ON OXIDATIVE STRESS AND BODY COMPOSITION IN PATIENTS WITH RHEUMATOID ARTHRITIS
Stavropoulos-Kalinoglou, A. et al [Greece]

17:35 OP-PM07-6
DIETARY HABITS, BODY MASS INDEX AND PHYSICAL ACTIVITY IN BRITISH AND SAUDI YOUTH: A CROSS-CULTURAL CLUSTER ANALYSIS
Al-Nakeeb, Y. et al [Qatar]

Aula 3  OP-PM57

Chair(s):
Zemkova, E [Slovakia]
Ritzmann, R [Germany]

16:20 OP-PM57-1
EFFECT OF INTEGRATIVE TRAINING ON INJURY FREQUENCY IN PROFESSIONAL SOCCER PLAYERS
Peer, R. et al [Germany]

16:35 OP-PM57-2
PRESCRIBING AND MONITORING HIGH INTENSITY INTERVAL TRAINING IN CYCLISTS
Christle, J. et al [Germany]

16:50 OP-PM57-3
EFFECTS OF AN INJURY PREVENTION WARM-UP PROGRAM ON POSTURAL CONTROL MEASURES IN YOUTH TEAM ATHLETES: A RANDOMIZED CONTROLLED TRIAL
Zech, A. et al [Germany]

17:05 OP-PM57-4
RELIABILITY OF FUNCTIONAL CAPACITY TESTS IN RHEUMATOID PATIENTS
Carbonell-Baeza, A. et al [Spain]

17:20 OP-PM57-5
EFFECTS OF 9 WEEKS OF WHOLE BODY VIBRATION VS. UNSTABLE SURFACE TRAINING ON STRENGTH IN POSTMENOPAUSAL WENOMEN
Del Cerro, N. et al [Spain]

17:35 OP-PM57-6
WHOLE-BODY CRYOTHERAPY [-110 °C] DO NOT AFFECT VERTICAL JUMP PERFORMANCE AFTER HIGH-INTENSITY EXERCISE
Veira, A. et al [Brazil]
Oral & Invited Presentations

Pavelló Síntetic  OP-PM33

Physiology [PH] 1D

Chair(s):
Havenith, G. [United Kingdom]

18:00  OP-PM33-1
NOVEL PERIPHERAL TRAINING AS A PRIMER FOR INCREASED GAINS IN FUNCTIONAL CAPACITY IN THE ELDERLY
VanBruggen, M. et al [United States]

18:15  OP-PM33-2
THE INFLUENCE OF AGE AND TRAINING STATUS ON EXERCISE EFFICIENCY AND CYCLING PERFORMANCE
Hopker, J. et al [United Kingdom]

18:30  OP-PM33-3
THE EFFECT OF TRAINING INVOLVING SIMULTANEOUS WALKING WITH ISOMETRIC EXERCISE ON RESTING BLOOD PRESSURE IN YOUNG HEALTHY ADULTS
Baross, A.W. et al [United Kingdom]

18:45  OP-PM33-4
DOES HBA1C RESPOND TO STRENGTH TRAINING IN POST-MENOPAUSAL FEMALES?
Viljoen, J. et al [South Africa]

19:00  OP-PM33-5
CHANGES IN METABOLIC PROFILS AND MUSCLE FUNCTION OF ELDERLY MEN AFTER ECCENTRIC OR CONCENTRIC TRAINING
Chen, T.C. et al [Taiwan]

19:15  OP-PM33-6
NO EFFECT OF 36 WEEKS ENDURANCE TRAINING ON RATE OF LIPID OXIDATION DURING SUBMAXIMAL EXERCISE IN OBESITY AND TYPE 2 DIABETES
O'Hagan, C. et al [United Kingdom]

Saló d'actes  OP-PM55

Physiology [PH] 12

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

18:00  OP-PM55-1
PHYSIOLOGICAL, NEUROMUSCULAR AND PERCEPTUAL RESPONSES TO SMALL-SIZED GAMES IN HIGHLY-TRAINED YOUNG SOCCER PLAYERS
Mendez-Villanueva, A. [Qatar]

18:15  OP-PM55-2
INTER-INDIVIDUAL DIFFERENCES IN CONTROL OF ALVEOLAR CAPILLARY BLOOD VOLUME IN EXERCISE AND HYPOGASTRIC RELATION WITH INCREASED MICROVASCULAR FUNCTION?
Bartesaghi, M. [Italy]

18:30  OP-PM55-3
TOTAL HEMOGLOBIN MASS IN RELATION TO BLOOD AND PLASMA VOLUMES: LONGITUDINAL INSIGHTS INTO THE ROLE OF GENDER
Pringle, J. et al [United Kingdom]

18:45  OP-PM55-4
HEMODYNAMIC CHANGES DURING DEEP DIVING IN MEANING OF A PORTABLE DECECCO TOCCO, F. et al [Italy]

Aula Magna 1  OP-PM35

Physiology [PH] 13

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

18:00  OP-PM35-1
POSTRESISTANCE EXERCISE HYPOTENSION IN NORMOTENSIVE AND HYPERTENSIVE MEN: HEMODYNAMIC AND NEURAL MECHANISMS
Forjaz, C.J.M. et al [Brazil]

18:15  OP-PM35-2
EFFECTS OF A 6-MONTH INTEGRAL PROGRAM OF EXERCISE ON PHYSICAL FITNESS AND BODY COMPOSITION IN LIVER TRANSPLANTATION RECIPIENTS
Moya-Nájera, D. [Spain]

18:30  OP-PM35-3
HEALTH-RELATED PHYSICAL FITNESS IN MARTIAL ARTS AND COMBAT SPORTS PRACTITIONERS
Chen, T.C. et al [Taiwan]

18:45  OP-PM35-4
EFFECT OF VITAMIN D SUPPLEMENTATION ON PERFORMANCE IN ELITE RUGBY UNION PLAYERS OF SOUTHERN NEW ZEALAND
Franchini, E. et al [Brazil]

Aula Magna 2  OP-PM06

Health and Fitness [HF] 2

Chair(s):
Lopes, V. [Portugal]

18:00  OP-PM06-1
MOTOR FITNESS OF HEARING-IMPAIRED PRIMARY SCHOOL CHILDREN
Augste, C. et al [Germany]

18:15  OP-PM06-2
EFFECTS OF A 6-MONTH INTEGRAL PROGRAM OF EXERCISE ON PHYSICAL FITNESS AND BODY COMPOSITION IN LIVER TRANSPLANTATION RECIPIENTS
Moya-Nájera, D. [Spain]

18:30  OP-PM06-3
THE EFFECT OF EXERCISE-INDUCED HYPOHYDRATION UPON TREADMILL RUNNING PERFORMANCE
Baker, D. et al [United Kingdom]

18:45  OP-PM06-4
EFFECT OF PROLONGED DYNAMIC EXERCISE AND SLEEP DEPRIVATION ON CARDIOVASCULAR AND PLASMA ADRENOMEDULLIN RESPONSES TO STATIC EXERCISE IN HEALTHY YOUNG MEN
Salvesen, S. et al [Norway]

Aula Magna 3  OP-PM23

Health and Fitness [HF] 3

Chair(s):
Panhke, M. [United States]

18:00  OP-PM23-1
EVALUATION OF FLUID STATUS AND EFFECT OF INDIVIDUAL INTERVENTION IN FEMALE SOCCER PLAYERS BEFORE MATCH PLAY
Forjaz, C.J.M. et al [Brazil]

18:15  OP-PM23-2
EFFECTS OF A SPECIFIC PHYSICAL ACTIVITY PROGRAM (POSTURAL STABILITY) ON FITNESS IN POSTMENOPAUSAL WOMEN
Mateu, M. et al [Spain]

18:30  OP-PM23-3
THE EFFECT OF VITAMIN D SUPPLEMENTATION ON PERFORMANCE IN ELITE RUGBY UNION PLAYERS OF SOUTHERN NEW ZEALAND
Franchini, E. et al [Brazil]

18:45  OP-PM23-4
EFFECT OF VITAMIN D SUPPLEMENTATION ON PERFORMANCE IN ELITE RUGBY UNION PLAYERS OF SOUTHERN NEW ZEALAND
Franchini, E. et al [Brazil]

Aula Magna 4  OP-PM08

Health and Fitness [HF] 4

Chair(s):
Stathi, A. [United Kingdom]

18:00  OP-PM08-1
ALTERATIONS IN MUSCLE STRENGTH, MUSCLE THICKNESS AND LEAN MASS UPON WORK ECONOMY IN ELDERLY MENS FOLLOWING STRENGTH TRAINING
Salvesen, S. et al [Norway]

18:15  OP-PM08-2
PHYSICAL ACTIVITY IN OLD AGE – A CROSS-SECTIONAL ANALYSIS OF GERMAN PRIMARY HEALTH CARE PATIENTS
O’Hagan, C. et al [United Kingdom]

18:30  OP-PM08-3
THE EFFECT OF EXERCISE-INDUCED HYPOHYDRATION UPON TREADMILL RUNNING PERFORMANCE
Baker, D. et al [United Kingdom]

18:45  OP-PM08-4
THE IMPACT OF PHYSICAL INACTIVITY ON FUNCTIONAL LIMITATIONS IN OLDER BRAZILIAN ADULTS
Sebastiao, E. et al [United States]

PHYSICAL ACTIVITY IN OLD AGE – A CROSS-SECTIONAL ANALYSIS OF GERMAN PRIMARY HEALTH CARE PATIENTS
O’Hagan, C. et al [United Kingdom]
Aula Magna  5  OP-PM16
Neuromuscular Physiology [NP] 3
Chair(s):
Nicol, C. [France]
18:00  OP-PM16-1  QUANTIFICATION OF MOTOR UNITS BETWEEN FUNCTIONAL TASKS AND ANISOMETRIC CONTRACTIONS
Cornet, K.M.D. et al [Canada]
18:15  OP-PM16-2  IS THE SPINAL REFLEX EXCITABILITY OF POSTURAL MUSCLES MAINLY AFFECTED BY CORTICAL ACTIVITY OR BODY POSITION?
Cattagin, T. et al [France]
18:30  OP-PM16-3  NEUROPHYSIOLOGICAL ALTERATIONS DURING 800M RUNNING AND FATIGUE
Poulson, M.K. et al [Denmark]
18:45  OP-PM16-4  CHANGES IN BALANCE STRATEGY AND NEUROMUSCULAR CONTROL IN RESPONSE TO FATIGUE – A STUDY IN UNANTICIPATED PERDITION DURING UNI-LATERAL STANCE
Ritzmann, R. et al [Germany]
19:00  OP-PM16-5  QUANTIFICATION OF MOTOR UNITS BETWEEN FUNCTIONAL TASKS AND ANISOMETRIC CONTRACTIONS
Cornet, K.M.D. et al [Canada]

Aula 1  OP-PM51
Training and Testing [TT] 5
Chair(s):
Arellano, R. [Spain]
18:00  OP-PM51-1  KINETICS STUDY OF EXERCISE-INDUCED HYPOXEMIA AT MODERATE ALTITUDE VERSUS SEA LEVEL IN ATHLETES
Hapkova, L et al [France]
18:15  OP-PM51-2  ‘GET IT OUT THE WAY. THE WAIT'S KILLING ME'. HASTENING AND HIDING DURING SOCCER PENALTY KICKS
Furley, P et al [Germany]
18:30  OP-PM51-3  Distinguishing between penalty kick strategies
Noël, B. et al [Germany]
18:45  OP-PM51-4  POSITIVE SELF-TALK IMPROVES 10 KM CYCLING TIME TRIAL PERFORMANCE FOLLOWING THE EVOLUTION OF A PACING TEMPLATE IN CONTRAST TO A NEUTRAL SELF-TALK INTERVENTION
Barwood, M. et al [United Kingdom]
19:00  OP-PM51-5  I SPY WITH MY QUIET EYE. TRAINING CATCHING IN CHILDREN: A PILOT STUDY.
Wood, G. et al [United Kingdom]

Aula 2  OP-SH09
Psychology [PS] 5
Chair(s):
Passos, P. [Portugal]
18:00  OP-SH09-1  COGNITIVE FUNCTIONING IN YOUTH ELITE SOCCER PLAYERS
Verburgh, L et al [Netherlands]
18:15  OP-SH09-2  A CUTE NEUROMUSCULAR AND METABOLIC RESPONSE AFTER A BOUT OF TWO DIFFERENT STRENGTH TRAINING PROTOCOLS: HIGH RESISTANCE CIRCUIT VS. TRADITIONAL STRENGTH TRAINING.
Márquez, G. et al [Spain]
18:30  OP-SH09-3  LOCALIZATION OF MUSCLE DAMAGE AFTER NEUROMUSCULAR ELECTROSTIMULATION DETECTED BY MULTIMODAL MAGNETIC RESONANCE IMAGING
Fouré, A. et al [France]
18:45  OP-SH09-4  LONG-TERM EFFECTS OF ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION ON NEUROMUSCULAR ASYMMETRIES IN ELITE ALPINE SKI RACERS
Jordan, M. et al [Canada]
19:00  OP-SH09-5  EFFECT OF COLD WATER IMMERSION FOR THE RECOVERY OF MUSCLE DAMAGE AND MUSCLE STRENGTH AND POWER AFTER RUGBY GAME
Takeda, M. et al [Japan]
Oral & Invited Presentations

Pavelló Sintètic  OP-PM53
Training and Testing [TT] 7
Chair(s):
Frencken, W. [Netherlands]

08:30  OP-PM53-1
THE LACTATE MINIMUM TEST IN ROWING – A NEW CONVINCING TESTING CONCEPT
Perrett, C. et al [Sweden]

08:45  OP-PM53-2
EXTERNAL AND INTERNAL TRAINING LOAD IN AUSTRALIAN FOOTBALLERS
Gallo, T. et al [Australia]

09:00  OP-PM53-3
SYSTEMATIC BIAS BETWEEN RUNNING SPEED AND METABOLIC POWER DATA IN ELITE SOCCER PLAYERS: INFLUENCE OF DRILL TYPE
Gaudino, P. et al [United Kingdom]

09:15  OP-PM53-4
THE MUXUS MODULAR METABOLIC SYSTEM EVALUATED WITH TWO SENSORS FOR VENTILATION AGAINST THE DOUGLAS BAG METHOD
Rosdahl, H. et al [Sweden]

09:30  OP-PM53-5
THE CORRELATION BETWEEN THE KINETIC VARIABLES OF A SPRINT START AND THE FINISHING TIME FOR A DISTANCE OF FIVE METRES FOR GROUPS OF SKILLED AND NON-SKILLED SPRINTERS
Bavdek, R. et al [Slovenia]

09:45  OP-PM53-6
DEVELOPMENT AND VALIDITY OF A NEW SCALE OF PERCEPTION OF VELOCITY IN LOWER BODY RESISTANCE TRAINING
Bautista, I. et al [Spain]

Sala d'actes  OP-PM36
Physiology [PH] 13
Chair(s):
Abdiss, C. [Australia]
Caldeira-Gonzales, J. [Spain]

08:30  OP-PM36-1
MIXED-METHOD COOLING MAINTAINS MEDIUM-FAST BOWLING PERFORMANCE ON CONSECUTIVE DAYS IN THE HEAT
Minett, G.M. et al [Australia]

08:45  OP-PM36-2
NEUROMUSCULAR FATIGUE DURING RESISTANCE EXERCISE AFFECTS CARDIAC AUTONOMIC MODULATION
Carballeira, E. et al [Spain]

09:00  OP-PM36-3
LACTATE KINETICS AT THE LACTATE THRESHOLD IN TRAINED AND UNTRAINED MEN
Messonnier, L.A. et al [France]

09:15  OP-PM36-4
THE RELATIONSHIP BETWEEN MUSCLE HYPEROXIDATION AND ACUTE HORMONAL RESPONSES OR MUSCLE ANDROGEN RECEPTOR CONTENT
Mitchell, C.J. et al [Canada]

09:30  OP-PM36-5
PULMONARY OXYGEN CONSUMPTION AND OXYGENATION OF UPPER BODY MUSCLES DURING ISOLATED UPPER BODY POONING AT DIFFERENT EXERCISE INTENSITIES
Skeie, K. et al [Norway]

09:45  OP-PM36-6
EFFECT OF ALACTIC AND LACTIC TRAINING ON BRAIN DC POTENTIAL IN RECREATIONAL RUNNERS
Fomin, R. et al [Finland]

Aula Magna 1  IS-PM12
Regulation skeletal muscle carbohydrate and fat utilisation in exercise and disease in humans *
Chair(s):
Stephens, F. [United Kingdom]
Cussó, R. [Spain]

08:30  IS-PM12-1
LIMITS TO MAXIMAL FUEL UTILISATION IN HUMAN SKELETAL MUSCLE DURING EXERCISE
Jeukendrup, A. [United Kingdom]

08:45  IS-PM12-2
SKELETAL MUSCLE CARNITINE AVAILABILITY AND THE REGULATION OF FUEL SELECTION DURING EXERCISE
Stephens, F. [United Kingdom]

09:00  IS-PM12-3
STANDING BALANCE IMPROVEMENTS IN ALCOHOLIC PATIENTS AFTER A SHORT-TERM TREATMENT
Camaro, A. et al [Italy]

09:15  IS-PM12-4
ASSESSING PHYSICAL ACTIVITY IN POSTTRAUMATIC STRESS DISORDER: IS SELF-REPORT A VALID MEASURE?
Rosenbaum, S. et al [Australia]

09:30  IS-PM12-5
THE RELATIONSHIP BETWEEN MUSCLE HYPERTROPHY AND ACUTE HORMONAL RESPONSES OR MUSCLE ANDROGEN RECEPTOR CONTENT
Mitchell, C.J. et al [Canada]

09:45  IS-PM12-6
EFFECT OF ALACTIC AND LACTIC TRAINING ON BRAIN DC POTENTIAL IN RECREATIONAL RUNNERS
Fomin, R. et al [Finland]

Aula Magna 2  OP-PM03
Adapted Physical Activity [AP] 3
Chair(s):
Stein, T. [Germany]
Masso, N. [Spain]

08:30  OP-PM03-1
EFFECTS OF A PROGRAM ABOUT ACTIVITIES IN THE WATER ON THE AQUATIC SKILLS OF CHILDREN WITH AUTISM SPECTRUM DISORDER
Nasser, J.P. et al [Brazil]

08:45  OP-PM03-2
THE SWEDISH PHYSICAL ACTIVITY AND FITNESS COHORT STUDY (SPAF): THE RELATIONSHIP BETWEEN PHYSICAL CAPACITY AND LUMBO-PELVIC MOVEMENT CONTROL IN MIDDLE-AGED MEN AND WOMEN
Aasa, U. et al [Sweden]

09:00  OP-PM03-3
EFFECT OF COMBINED AEROBIC AND RESISTANCE EXERCISE TRAINING IN ADULTS WITH INTELLECTUAL DISABILITIES
Nasser, J.P. et al [Brazil]

09:15  OP-PM03-4
CHANGES IN POSTURE AND BALANCE PERFORMANCE DURING FIVE DAYS OF WOBBLE BOARD TRAINING
Piirainen, J.M. et al [Finland]

09:30  OP-PM03-5
DEVELOPMENT AND VALIDITY OF A NEW SCALE OF PERCEPTION OF VELOCITY IN LOWER BODY RESISTANCE TRAINING
Bautista, I. et al [Spain]

09:45  OP-PM03-6
DEVELOPMENT AND VALIDITY OF A NEW SCALE OF PERCEPTION OF VELOCITY IN LOWER BODY RESISTANCE TRAINING
Bautista, I. et al [Spain]

Aula Magna 3  OP-PM37
Physiotherapy [PT] 1
Chair(s):
Porta, J. [Spain]

08:30  OP-PM37-1
SURFACE EMG ACTIVITY OF SUBMEDIALL MUSCLES DURING SWALLOPING AND EXPIRATORY MUSCLE TRAINING TASKS IN HUNTINGTON’S DISEASE PATIENTS
Reyes, A. et al [Australia]

08:45  OP-PM37-2
THE INFLUENCE OF A FORCE-CONTROLLED BITING TASK ON BODY SWAY AND LOWER EXTREMITY KINEMATICS DURING ONE-LEGGED SQUATS
Ringhof, S. et al [Germany]

09:00  OP-PM37-3
INFLUENCE OF EXPERTISE AND PLAYING POSITION ON POSTURAL CONTROL OF YOUNG AND ADULT ELITE SOCCER PLAYERS
Pau, M. et al [Italy]

09:15  OP-PM37-4
AGING-RELATED NEUROMUSCULAR FUNCTION AND DYNAMIC BALANCE CONTROL DURING SLOW AND FAST DYNAMIC BALANCE PERFORMANCES
Piratonen, J.M. et al [Finland]

09:30  OP-PM37-5
CHANGES IN POSTURE AND BALANCE PERFORMANCE DURING FIVE DAYS OF WOBBLE BOARD TRAINING
Granerud, E. et al [Norway]

09:45  OP-PM37-6
NEUROMOTOR CONTROL IN CHILDREN WITH AND WITHOUT CEREBRAL PALSY WHILE HOLDING A LOAD
Puig-Díaz, A. et al [Spain]

Aula Magna 4  OP-BN06
Biomechanics [BM] 6
Chair(s):
Meyer-Klapsing, G. [Spain]

08:30  OP-BN06-1
INFLUENCE OF A FORCE-CONTROLLED BITING TASK ON BODY SWAY AND LOWER EXTREMITY KINEMATICS DURING ONE-LEGGED SQUATS
Ringhof, S. et al [Germany]

08:45  OP-BN06-2
EFFECT OF TWO-MONTH HOME EXERCISE PROGRAMME ON RANGE OF MOTION, PAIN AND MUSCLE TONE IN PATIENTS WITH HALLUX VALGUS
Aire, A. et al [Estonia]
Aula Magna 5  OP-PM39  Rehabilitation [RE] 2  Chair(s):
Mombaur, K. [Germany]
Cos, F. [Spain]
08:30  OP-PM39-1  MOMENT-KNEE ANGLE RELATIONS AND GAIT ANALYSIS IN FEMALES 10 YEARS POST TOTAL KNEE ARTHROPLASTY
Ullrich, B. et al [Germany]

08:45  OP-PM39-2  DUAL-TASK EXERGAMING IMPROVES BALANCE AND GAIT IN PATIENTS WITH MULTIPLE SCLEROSIS AS MUCH AS CONVENTIONAL BALANCE TRAINING
Kramer, A. et al [Germany]

Aula 1  OP-PM34  Physiology [PH] 11  Chair(s):
Allen, J. [United States]
Bowtell, J. [United Kingdom]
08:30  OP-PM34-1  ACUTE AND CHRONIC EFFECTS OF RESISTANCE TRAINING COMBINED WITH VASCULAR OCCLUSION OR HYPXIA ON HORMONAL RESPONSE
Hamlin, M.J. et al [New Zealand]

08:45  OP-PM34-2  INFLUENCE OF SMOKING STATUS ON MUSCULOSKELETAL INJURY RISK IN BRITISH ARMY INFANTRY TRAINES
Siddall, A. et al [United Kingdom]

09:00  OP-PM34-3  THE PSYCHOLOGICAL RESPONSE TO COMBINED STRENGTH AND AEROBIC TRAINING IN A GROUP OF CARDIAC PATIENTS
Skau, A. et al [Norway]

09:15  OP-PM34-4  SKILLING-UP EXERCISE FOR DECONDITIONED NURSING HOME DWELLERS
Rogan, S. et al [Switzerland]

Aula 2  OP-PM50  Training and Testing [TT] 4  Chair(s):
Busch Safont-Tita, B. [Spain]
Wagner, H. [Austria]
08:30  OP-PM50-1  VARIATIONS IN NEUROMUSCULAR ACTIVITY OF THIGH MUSCLES DURING WHOLE-BODY VIBRATION IN CONSIDERATION OF DIFFERENT BIOMECHANICAL VARIABLES
Pechtlhaler, D. et al [Germany]

08:45  OP-PM50-2  EFFECT OF PROGRESSIVE-OVERLOAD WHOLE BODY VIBRATION TRAINING AS PART OF OFF-SEASON STRENGTH TRAINING IN FEMALE ATHLETES
Jones, M.T. [United States]

09:00  OP-PM50-3  REGULAR PHYSICAL ACTIVITY FAVOR SKELETAL MUSCLE REGENERATION AFTER TOXIC INJURY
Tillaar, R. et al [Norway]

09:15  OP-PM50-4  EFFECT OF ECCENTRIC VERSUS CONCENTRIC TRAINING ON METABOLIC MEASURES FOLLOWING ECCENTRIC EXERCISE-INDUCED MUSCLE DAMAGE
Hughes, J. et al [United Kingdom]

Aula 3  OP-SH02  Physical Education and Pedagogics [PP] 1  Chair(s):
Mesquita, I. [Portugal]
Lavega, P. [Spain]
08:30  OP-SH02-1  THE ROLE OF SELF MOTIVATION IN THE AFFECTIVITY OF HUNGARIAN STUDENTS AGED 11-18 FOR PHYSICAL EDUCATION AT SCHOOL
Hamar, P. et al [Hungary]

08:45  OP-SH02-2  THE HORSE AS AN "ENABLEER" IN HORSEBACK RIDING - THE HISTORY OF THERAPEUTIC HORSEMANSHIP
Hedenborg, S. [Sweden]

09:00  OP-SH02-3  DOES ENHANCED PHYSICAL ACTIVITY INCREASE COGNITIVE PERFORMANCE AMONG YOUNG PEOPLE?
Collard, D.C.M. et al [Netherlands]

09:15  OP-SH02-4  THE INFLUENCE OF AN INTERVENTION IN PHYSICAL EDUCATION ON CHILDREN'S EXECUTIVE FUNCTIONS
Schmidt, M. et al [Switzerland]

Aula 4  OP-SH13  Sport Management [SM] 1  Chair(s):
Fasting, K. [Norway]
08:30  OP-SH13-1  THE TRANSFORMATION OF CHINA'S NATIONAL FITNESS POLICY: FROM A MAJOR SPORTS COUNTRY TO A WORLD SPORTS POWER?
Tan, T.C. [Taiwan]

08:45  OP-SH13-2  SPORT POLICY FACTORS LEADING TO SPANISH INTERNATIONAL SPORTING SUCCESS. ATHLETES' AND MANAGERS' PERCEPTION
Ingles, E et a1 [Spain]

09:00  OP-SH13-3  EVALUATING THE DEVELOPMENT OF ELITE SPORTS POLICY IN TAIWAN
Chen, S. et al [United Kingdom]

09:15  OP-SH13-4  PROFILING RECREATIONAL AND SPORTING USERS OF NATIONAL AND NATURAL PARKS AND WILDERNESS AREAS IN CATALONIA - SPAIN
Farias Torbidoni, E. et al [Spain]

09:30  OP-SH13-5  ASKING QUESTIONS ABOUT ATHLETE WELFARE: PUTTING THE PERSON BACK TOGETHER
Saunders, J. et al [Australia]

09:45  OP-SH13-6  PROMOTING PARTICIPATION: IS ELITE SPORT A REMEDY OR AN OBSTACLE?
Segui, J. et al [Spain]
**Oral & Invited Presentations**

**Pavelló sintèti OP-PM54**

**Training and Testing** [TT] 8

Chair(s): Marina, M. [Spain]
Haakonsson, E. [Australia]

10:30 OP-PM54-1
**PREDICTING AND MONITORING CYCLING PERFORMANCE IN TRAINED TO ELITE CYCLISTS: PRACTICAL IMPLICATIONS FOR USING THE LSCT**
Lamberts, R.P. [South Africa]

10:45 OP-PM54-2
Raschner, C. et al [Austria]

10:50 OP-PM54-3
**THROWING PERFORMANCE PRIOR TO OLYMPIC FEMALE WATER POLO COMPETITION**
Freeston, J. et al [Australia]

11:05 OP-PM54-4
**THEOREMSEN AND DEFENDED AND DEFENSES OF COMPETITIVE AMATEUR BOXING: A COMPARISON OF ELITE AND NON-ELITE PERFORMANCE.**
Thomson, E. et al [United Kingdom]

11:20 OP-PM54-5
**CROSS-COUNTRY SKIING: SPECIFIC STRENGTH TRAINING FOR ENDURANCE SUCCESS**
Shishkina, A. et al [Russia]

11:35 OP-PM54-6
**CHANGES IN PRO/ANTIOXIDANT BALANCE IN PROFESSIONAL Males PLAYERS THROUGHOUT A SOCCER SEASON**
Le Moal, E. et al [France]

**Aula Magna 1 OP-PM29**

Physiology [PH] 6

Chair(s): Scherr, J. [Germany]

10:35 OP-PM29-1
**THE IMPACT OF MAINTAINED AND INCREASED PLASMA VOLUME ON CARDIAC FUNCTION FOLLOWING PROLONGED EXERCISE**
Stöhr, E.J. et al [United Kingdom]

10:50 OP-PM29-2
**COMPARISON OF CARDIOVASCULAR STRUCTURE AND FUNCTION IN ATHLETES WITH AND WITHOUT MYOCARDIAL INFARCTION**
Maassen, M. et al [Netherlands]

11:05 OP-PM29-3
**HEART RATE COMPLEXITY CHANGES DURING CYCLE BIOMECHANICS**
Berskin, E. et al [Lithuania]

11:20 OP-PM29-4
**SIGNIFICANT IMPROVEMENT IN HEMODYNAMIC RESPONSES TO METABOXES FOLLOWING THE THIRD YEAR IN TRAINING IN SPINAL CORD-INJURED HUMANS**
Crisafulli, A. et al [Italy]

**Aula Magna 2 OP-PM10**

Obesity, diabetes and exercise: new developments *

Chair(s): Horowitz, J. [United States]

10:35 OP-PM10-1
**EFFECTS OF EXERCISE AND DIET ON MUSCLE FAT METABOLISM AND INSULIN ACTION**
Grau, A. et al [Spain]

10:50 OP-PM10-2
**EXERCISE AND DIETARY NITRATE AS AN ERGOGENIC AID IN ATHLETES**
Grau, A. et al [Spain]

11:05 OP-PM10-3
**THE EFFECT OF CORE EXERCISES ON LUMBAR RANGE OF MOVEMENT AND CORE STABILITY**
Solana-Tramunt, M. et al [Spain]

**Aula Magna 3 OP-BN08**

Evidence Based Sports Physiotherapy: Core stability in sports – myth or reality

Chair(s): Solana, M. [Spain]

10:35 OP-BN08-1
**THE USE OF SPRING IN SPORTS FOOTWEAR, THE NEXT BIG THING OR REINVENTING THE WHEEL?**
Richards, J. et al [United Kingdom]

10:50 OP-BN08-2
**LUMBAR KINETICS IN THE ELITE ADOLESCENT MALE TENNIS SERVE: A LINK TO LOW BACK PAIN**
Reid, M. et al [Australia]

11:05 OP-BN08-3
**THE USE OF GLOBAL POSITIONING SYSTEM (GPS) TRACKING DEVICES TO ASSESS MOVEMENT DEMANDS AND INJURIES IN UNDER-19 RUGBY UNION MATCH PLAY**
Opperman, E. et al [South Africa]

11:20 OP-BN08-4
**ACUTE EFFECTS OF SMALL CHANGES IN SADDLE HEIGHT ON PEDALING EFFICIENCY AND LUMBAR KINEMATICS**
Ferrero-Roca, V. et al [Spain]

11:35 OP-BN08-5
**CHANGES IN THE APONEUROSIS WIDTH INDUCED BY RESISTANCE TRAINING: IMPLICATIONS FOR A HYPERTROPHIC MODEL OF PENNATE MUSCLE**
Ferrero-Roca, V. et al [Spain]

12:00 OP-BN08-6
**THE INFLUENCE OF ACUTE VARIABLE RESISTANCE LOADING ON SUBSEQUENT FREE-WEIGHT MAXIMAL SQUAT PERFORMANCE**
Mina, M.A. et al [United Kingdom]
Aula Magna 5  OP-BN11

Motor Learning [ML] 2
Chair(s):
Davids, K. [Australia]
Taube, W. [Switzerland]

10:20  OP-BN11-1
MENTAL IMAGERY AND MOVEMENT OBSERVATION OF BALANCE TASKS: ACUTE EFFECTS ON BRAIN ACTIVITY AND FUNCTIONAL LONG-TERM ADAPTATIONS
Keller, M. et al [Switzerland]

10:35  OP-BN11-2
FACTORS INVOLVED IN THE ADOPTION OF A PREFERRED GAIT AROUND THE WALK-RUN TRANSITION: EFFECTS OF LEARNING RACEWALKING
Heugas, A.M. et al [France]

10:50  OP-BN11-3
EXAMINING THE ASSOCIATION BETWEEN HYPOTHESIS-TESTING AND WORKING MEMORY DURING MOTOR LEARNING
Buszard, T. et al [Australia]

11:05  OP-BN11-4
PROMOTING OBJECT CONTROL SKILLS BY SUPPRESSING ERRORS DURING LEARNING INCREASES PHYSICAL ACTIVITY ENGAGEMENT OF CHILDREN WITH DISABILITY
Capio, C.M. et al [Hong Kong]

11:20  OP-BN11-5
THE EFFECT OF STIMULUS INTENSITY ON RESPONSE TIME AND ACCURACY IN DYNAMIC, TEMPORARILY CONSTRAINED ENVIRONMENTS
Causer, J. et al [United Kingdom]

11:35  OP-BN11-6
VECTOR SUMMING IN THE CONTROL OF MULTI-SEGMENT UPPER LIMB MOVEMENTS
Han, J. et al [Australia]

Aula 1  IS-SH07

Sport sciences to improve dance performance and participation, an interdisciplinary proposal
Chair(s):
Torrents, C. [Spain]
Castañer, M. [Spain]

10:20  IS-SH07-1
QUALITY OF PARTICIPATION AND DANCER'S HEALTH
Quested, E. et al [United Kingdom]

10:50  IS-SH07-2
EXPERT LOOKING: PERCEPTUAL, PSYCHO-PHYSIOLOGICAL, AND NEURAL RESPONSES TO DANCE BY DANCERS
Christensen, J. et al [Spain]

11:20  IS-SH07-3
THE BEAUTY OF KINEMATIC DANCE PARAMETERS
Mora, G-Klasing, G. et al [Spain]

Aula 2  OP-PM18

Neuromuscular Physiology [NP] 5
Chair(s):
Place, N. [Switzerland]
Radinais, S. [Qatar]

10:20  OP-PM18-1
ACUTE EFFECTS OF WHOLE-BODY VIBRATION ON 3KM CYCLING TIME TRIAL PERFORMANCE
Bhamghani, Y. et al [Canada]

10:35  OP-PM18-2
NEUROMUSCULAR FACTORS AFFECTING PLANTARFLEXOR TORQUE AFTER INTERMITTENT VS. CONSTANT MUSCLE STRETCH
Trujano, G. et al [Australia]

10:50  OP-PM18-3
PRIOR FATIGUING ARM EXERCISE ALTERS PERIPHERAL EXCITABILITY AND VOLUNTARY DRIVE TO THE KNEE EXTENDERS
Bowtell, J.L. et al [United Kingdom]

11:05  OP-PM18-4
APPROACH OF A NEW NON-LINEAR MODEL OF STRENGTH DECREMENT DUE TO FATIGUE DURING INTERMITTENT HANDGRIP CONTRACTIONS
Marina, M. et al [Spain]

11:20  OP-PM18-5
IMPAIRED NEURO-MECHANICAL CHARACTERISTICS INDUCED BY A REPEATED ANAEROBIC RUNNING SPRINT TEST IN PROFESSIONAL SOCCER PLAYERS
Brocherie, F. et al [Switzerland]

Aula 3  OP-SH03

Physical Education and Pedagogics [PP] 2
Chair(s):
Kirk, D. [United Kingdom]
Rodriguez Arregi, R. [Spain]

10:20  OP-SH03-1
EMERGING CREATIVE BEHAVIOURS UNDER ECOLOGICAL CONSTRAINTS IN CONTACT IMPROVISATION DANCE
Ric, A. et al [Spain]

10:35  OP-SH03-2
CONTRIBUTIONS OF THE PHYSICAL EDUCATION TO THE CIRCUS ARTS
Duprat, R. et al [Brazil]

10:50  OP-SH03-3
SHOULD CIRCUS ACTIVITIES COMPOSE THE PHYSICAL EDUCATION UNDERGRADUATE COURSE?
Tucunduva, B. [Brazil]

11:05  OP-SH03-4
MOTOR SKILLS OBSERVATIONS AND MARKS IN PHYSICAL EDUCATION: VALIDATION OF MOTORISK UTVECKLING SOM GRUND FÖR INLÄRNING <MUGI> OBSERVATION CHECKLISTS
Eriksen, I. [Sweden]

Aula 4  OP-SH12

Sociology [SO] 2
Chair(s):
Camy, J. [France]
Pflister, G. [Denmark]

10:20  OP-SH12-1
GENDER BIAS IN THE FIELD OF SPORTS MEDICINE - A CASE OF RELIANCE?
Hartmann-Tews, I. et al [Germany]

10:35  OP-SH12-2
EXAMINING GENDERED IDENTITIES IN YOUNG PEOPLE'S MEDIA CONSUMPTION OF BRITISH WOMEN OLYMPIC ATHLETES
Curtis, H. [United Kingdom]

10:50  OP-SH12-3
GENDER ISSUES IN SPORTS ORGANISATIONS - ATTITUDES OF THE OFFICIALS
Diketmüller, R. [Austria]

11:05  OP-SH12-4
HIT AND TELL - THE SWEDISH CONTEXT
Radmann, A. [Sweden]
**Thursday, June 27th, 2013**

**14:00 - 15:00**

**PP-PM68 Training and Testing [TT] 3**

- **Lecture Room: PAVELLÓ SINTÈTIC**
  - **Chairs:** Prats, C. [Denmark] Wall, B. [Netherlands]
  - **PP-PM68-8**
    - **EVALUATION OF THE UNDERWATER BUTTERFLY START AFTET SENSORY-PERCEPTIVE TRAINING**
      - Gapparelli, C. et al [Italy]
  - **PP-PM68-13**
    - **POSTURAL ADAPTATIONS IN PREADOLESCENT KARATE ATHLETES DUE TO A ONE WEEK KARATE TRAINING CAMP**
      - Vando, S. et al [Italy]
  - **PP-PM68-34**
    - **THE ROLE OF RATE OF FORCE DEVELOPMENT OF THE PLANAR FLEXORS IN SPINE PERFORMANCE**
      - Yañez-Garcia, J.M. et al [Spain]
  - **PP-PM68-7**
    - **HEART RATE VARIABILITY AND PRECOMPETITIVE ANXIETY IN JUDO**
      - Morales, J. et al [Spain]
  - **PP-PM68-9**
    - **EFFECTS OF BULLETCR SHOTFIRE ON BODY COMPOSITION IN DETERMINED RATS SUBJECT TO CALORIC RESTRICTION**
      - Nishimura, I.S. et al [Brazil]
  - **PP-PM68-12**
    - **ACUTE EFFECTS OF HMB SUPPLEMENTATION ON BONE MODULATING CYTOKINES AND DOWNSTREAM PROTEIN EXPRESSION: A PILOT STUDY**
      - Hung, W. et al [Taiwan]
  - **PP-PM68-1**
    - **VALIDATION OF A KAYAK EROGRIMETER POWER OUTPUT**
      - Gullstrand, L. et al [Sweden]
  - **PP-PM68-10**
    - **REGULAR VOLUNTARY RUNNING IMPROVES COGNITIVE FUNCTIONS IN ANIMALS WITH A MODEL OF ATTENTION DEFICIT HYPERACTIVITY DISORDER**
      - Keszeghy, K. et al [Hungary]
  - **PP-PM68-11**
    - **MONITORING INTERNAL LOAD PARAMETERS DURING CONCURRENT SYNCHRONIZED SWIMMING DUET ROUTINES IN ELITE ATHLETES**
      - Iglesias, X. et al [Spain]
  - **PP-PM68-14**
    - **THE EFFECT OF A-A GLYCEROPHOSPHOCHOLINE INTAKE AND AEROBIC EXERCISE IMPROVES AML WITHOUT LIMITING VO2 MAX**
      - Cheng, C.F. et al [Taiwan]
  - **PP-PM68-15**
    - **EFFECT OF B-ALANINE SUPPLEMENTATION ON CYCLING PERFORMANCE IN DETERMINED RATS**
      - Cavalcante, M. et al [Brazil]
  - **PP-PM68-16**
    - **THE EFFECT OF DIETARY NITRATE SUPPLEMENTATION ON PHYSICAL PERFORMANCE IN ACRIBIC HYPOXIA**
      - Limmer, M. et al [Germany]
  - **PP-PM68-2**
    - **EVALUATION OF THE UNDERWATER BUTTERFLY START AFTER SENSORY-PERCEPTIVE TRAINING**
      - Gapparelli, C. et al [Italy]
  - **PP-PM68-17**
    - **THE EFFECT OF 16 WEEKS OF ENDURANCE TRAINING ON HEART RATE VARIABILITY IN OBESITY AND TYPE 2 DIABETES: A PILOT STUDY**
      - O’Hagan, C. et al [United Kingdom]
  - **PP-PM68-18**
    - **EFFECTS OF DIFFERENT EXERCISE TRAINING INTENSITIES OVER HIPERTENSIVE RATS**
      - Paolli, A. et al [Italy]
  - **PP-PM68-19**
    - **EFFECTS OF LEUCINE SUPPLEMENTATION ON PROTEIN SYNTHESIS DURING NASAL RESTRICTION IN HYPERTENSIVE RATS**
      - Nishimura, L.S. et al [Brazil]
  - **PP-PM68-20**
    - **THE EFFECTS OF CREATINE SUPPLEMENTATION DURING RESISTANCE TRAINING ON STRENGTH AND BODY COMPOSITION IN ELDERLY WOMEN**
      - Devries, M.C. et al [Canada]
  - **PP-PM68-21**
    - **HEART RATE DURING SLEEP IS LOWER IN THE NIGHTS AFTER EXERCISE THAN WITHOUT EXERCISE**
      - Ganeko, M. et al [Japan]
  - **PP-PM68-22**
    - **EFFECT OF B–ALANINE SUPPLEMENTATION ON INTERMITTENT HIGH-INTENSITY CYCLING PERFORMANCE**
      - Cheng, C.F. et al [Taiwan]
  - **PP-PM68-23**
    - **THE EFFECT OF 16 WEEKS OF ENDURANCE TRAINING ON HEART RATE VARIABILITY IN OBESITY AND TYPE 2 DIABETES: A PILOT STUDY**
      - O’Hagan, C. et al [United Kingdom]
  - **PP-PM68-24**
    - **THE EFFECT OF DIFFERENT EXERCISE TRAINING INTENSITIES OVER HIPERTENSIVE RATS**
      - Paolli, A. et al [Italy]
  - **PP-PM68-25**
    - **THE EFFECT OF DIETARY NITRATE SUPPLEMENTATION ON PHYSICAL PERFORMANCE IN HYPOBARIC HYPOXIA**
      - Limmer, M. et al [Germany]
  - **PP-PM68-26**
    - **EFFECT OF B-ALANINE SUPPLEMENTATION IN HYPERTENSIVE RATS**
      - Nishimura, L.S. et al [Brazil]
  - **PP-PM68-27**
    - **THE EFFECTS OF CREATINE SUPPLEMENTATION DURING RESISTANCE TRAINING ON STRENGTH AND BODY COMPOSITION IN ELDERLY WOMEN**
      - Devries, M.C. et al [Canada]
  - **PP-PM68-28**
    - **HEART RATE DURING SLEEP IS LOWER IN THE NIGHTS AFTER EXERCISE THAN WITHOUT EXERCISE**
      - Ganeko, M. et al [Japan]
  - **PP-PM68-29**
    - **EFFECT OF B–ALANINE SUPPLEMENTATION ON INTERMITTENT HIGH-INTENSITY CYCLING PERFORMANCE**
      - Cheng, C.F. et al [Taiwan]
Thursday, June 27th, 2013

14:00 - 15:00

TRADITIONAL STRENGTH TRAINING IN SOCCER PLAYERS
Marin-Pagán, C. et al. [Spain]

PP-PM45-4
N-ACETYL-L-GLUTAMINE SUBSTRATE FOR NEUROTRANSMITTER SYNTHESIS DURING HIGH-INTENSITY CYCLING EXERCISE IN WELL-TRAINED HUMANS
Tiwari, A. et al. [Australia]

PP-PM45-5
LIPID PEROXIDATION AND ANTIOXIDANT ADAPTATION IN REGULAR TRAINING Mitic, N. et al. [Serbia]

PP-PM45-6
OXIDATIVE STRESS STATUS IN ELITE ATHLETES OF DIFFERENT SPORT DISCIPLINES
Hedrovic-Druze, A. et al. [Bosnia and Herzegovina]

PP-PM45-7
MUSCLE ISCHEMIC PRECONDITIONING DOURS NOT IMPROVE EXERCISE PERFORMANCE DURING 5000 M RUNNNG SELF PACED EXERCISE Cisatali, A. et al. [Italy]

PP-PM45-8
INFLUENCE OF STRAINS EXERCISE ON LIPID PEROXIDATION AND NEUTROPHIL INFLAMMATORY RESPONSE IN SEDENTARY PEOPLE Popovic, L. et al. [Serbia]

PP-PM45-9
INFLUENCE OF STRAINS EXERCISE ON OXIDATIVE STRESS AND ANTIOXIDANT DEFENSE IN SEDENTARY PEOPLE Popovic, L. et al. [Serbia]

PP-PM45-10
INTRA-ARTICULAR TRAINING PROGRAM EXERTS BENEFICIAL EFFECTS ON OXIDANT STRESS AND IMPROVES AEROBIC FITNESS IN PATIENTS SUFFERING FROM CHRONIC KIDNEY DISEASE Grousard, C. et al. [France]

PP-PM45-11
ECONOMY OF CHILDREN'S MOVEMENTS TO TREADMILL SPEEDS AND PHYSICAL ACTIVITY LEVELS
Mattei, H. et al. [Canada]

PP-PM51-12
ELECTROMYOGRAPHIC THRESHOLD OCCURS AFTER ATTENUATION OF MUSCLE DEOXYGENATION DURING INCREMENTAL KNEE-EXTENSION EXERCISE Kohei, K. et al. [Japan]

PP-PM51-13
ARTERIO-VENOUS OXYGEN DIFFERENCE AS A MEASURE OF RECOVERY KINETICS FOLLOWING CONCENTRIC-ECCENTRIC ISOKINETIC ARM AND LEG EXERCISE Mookoone, S. et al. [United States]

PP-PM51-14
MUSCLE ISCHEMIC PRECONDITIONING DOES NOT IMPROVE EXERCISE PERFORMANCE DURING 5000 M RUNNNG SELF PACED EXERCISE Cisatali, A. et al. [Italy]

PP-PM51-15
THE INFLUENCE OF SLEEP ON RECOVERY FROM CENTRAL AND PERIPHERAL FATIGUE Shioda, K. et al. [Japan]

PP-PM51-16
THE TEST-RETEST RELIABILITY OF EUCAPNIC VOLUNTARY HYPERVENTILATION AND PULMONARY FUNCTION IN DIAGNOSING EXERCISE INDUCED BRONCHOCONSTRICTION Williams, N.C. et al. [United Kingdom]

PP-PM51-17
ANTHROPOMETRICAL CHARACTERISTICS AND AEROBIC CAPACITY AS SUCCESS PREDICTORS IN DANCESPORT Liiv, H. et al. [Estonia]

PP-PM51-18
THE INFLUENCE OF SLEEP ON RECOVERY FROM CENTRAL AND PERIPHERAL FATIGUE Shioda, K. et al. [Japan]

PP-PM51-19
THE TEST-RETEST RELIABILITY OF EUCAPNIC VOLUNTARY HYPERVENTILATION AND PULMONARY FUNCTION IN DIAGNOSING EXERCISE INDUCED BRONCHOCONSTRICTION Williams, N.C. et al. [United Kingdom]

PP-PM51-20
THE INFLUENCE OF SLEEP ON RECOVERY FROM CENTRAL AND PERIPHERAL FATIGUE Shioda, K. et al. [Japan]

PP-PM51-21
THE TEST-RETEST RELIABILITY OF EUCAPNIC VOLUNTARY HYPERVENTILATION AND PULMONARY FUNCTION IN DIAGNOSING EXERCISE INDUCED BRONCHOCONSTRICTION Williams, N.C. et al. [United Kingdom]

PP-PM51-22
THE INFLUENCE OF SLEEP ON RECOVERY FROM CENTRAL AND PERIPHERAL FATIGUE Shioda, K. et al. [Japan]

PP-PM51-23
THE TEST-RETEST RELIABILITY OF EUCAPNIC VOLUNTARY HYPERVENTILATION AND PULMONARY FUNCTION IN DIAGNOSING EXERCISE INDUCED BRONCHOCONSTRICTION Williams, N.C. et al. [United Kingdom]

PP-PM51-24
THE INFLUENCE OF SLEEP ON RECOVERY FROM CENTRAL AND PERIPHERAL FATIGUE Shioda, K. et al. [Japan]

PP-PM51-25
THE TEST-RETEST RELIABILITY OF EUCAPNIC VOLUNTARY HYPERVENTILATION AND PULMONARY FUNCTION IN DIAGNOSING EXERCISE INDUCED BRONCHOCONSTRICTION Williams, N.C. et al. [United Kingdom]

PP-PM51-26
THE INFLUENCE OF SLEEP ON RECOVERY FROM CENTRAL AND PERIPHERAL FATIGUE Shioda, K. et al. [Japan]

PP-PM51-27
THE TEST-RETEST RELIABILITY OF EUCAPNIC VOLUNTARY HYPERVENTILATION AND PULMONARY FUNCTION IN DIAGNOSING EXERCISE INDUCED BRONCHOCONSTRICTION Williams, N.C. et al. [United Kingdom]

PP-PM51-28
THE INFLUENCE OF SLEEP ON RECOVERY FROM CENTRAL AND PERIPHERAL FATIGUE Shioda, K. et al. [Japan]

PP-PM51-29
THE TEST-RETEST RELIABILITY OF EUCAPNIC VOLUNTARY HYPERVENTILATION AND PULMONARY FUNCTION IN DIAGNOSING EXERCISE INDUCED BRONCHOCONSTRICTION Williams, N.C. et al. [United Kingdom]

PP-PM51-30
THE INFLUENCE OF SLEEP ON RECOVERY FROM CENTRAL AND PERIPHERAL FATIGUE Shioda, K. et al. [Japan]

PP-PM51-31
THE TEST-RETEST RELIABILITY OF EUCAPNIC VOLUNTARY HYPERVENTILATION AND PULMONARY FUNCTION IN DIAGNOSING EXERCISE INDUCED BRONCHOCONSTRICTION Williams, N.C. et al. [United Kingdom]

PP-PM51-32
THE INFLUENCE OF SLEEP ON RECOVERY FROM CENTRAL AND PERIPHERAL FATIGUE Shioda, K. et al. [Japan]

PP-PM51-33
THE TEST-RETEST RELIABILITY OF EUCAPNIC VOLUNTARY HYPERVENTILATION AND PULMONARY FUNCTION IN DIAGNOSING EXERCISE INDUCED BRONCHOCONSTRICTION Williams, N.C. et al. [United Kingdom]

PP-PM51-34
THE INFLUENCE OF SLEEP ON RECOVERY FROM CENTRAL AND PERIPHERAL FATIGUE Shioda, K. et al. [Japan]

PP-PM51-35
THE TEST-RETEST RELIABILITY OF EUCAPNIC VOLUNTARY HYPERVENTILATION AND PULMONARY FUNCTION IN DIAGNOSING EXERCISE INDUCED BRONCHOCONSTRICTION Williams, N.C. et al. [United Kingdom]
Mini Oral Sessions

PP-PM63-10 PHYSICAL INACTIVITY AND OTHER LIFESTYLE RISK FACTORS FROM CARDIAC PHYSICIANS Pardo, A. et al [Spain]

PP-PM63-9 SELF-REPORTED EXERCISE LIMITATIONS IN ASTHOMATIC ADOLESCENTS Vestergren, T. et al [Norway]

PP-PM63-10 SAFETY OF HIGH-INTENSITY INTERVAL TRAINING IN PATIENTS WITH T2 DM TREATED WITH ORAL HYPOGLYCEMIC AGENTS DIABETES EM MOVEMENTO® PILOT STUDY Mendes, R. et al [Portugal]

PP-PM63-11 BENEFITS OF INTEGRATIVE TRAINING TO BREAST CANCER PATIENTS’ HEALTH: A PILOT STUDY Casta Barrio, S. [Spain]

PP-PM63-12 EFFECTS OF PHYSICAL ACTIVITY ON PATIENTS WITH ACUTE LEUKEMIA UNDERGOING INDUCTION CHEMOTHERAPY Velhade, A. et al [Germany]

PP-PM63-13 ACUTE CENTRAL AND PERIPHERAL EFFECTS OF MAXIMAL EXERCISE IN HYPOXIA AND COLD IN PEOPLE WITH SPINAL CORD INJURY Frauzino, F.C. et al [Spain]

PP-PM16 Health and Fitness [HF] 10 LECTURE ROOM: AULA 1 Chair(s): Lopes, V. [Portugal] Porta, J. [Spain]

PP-PM16-1 EVALUATION OF CHROMOPHOTYPES IN YOUNG ITALIAN PHYSICALLY ACTIVE ADULTS Vitale, J. et al [Italy]

PP-PM16-2 MUSCLE POWER, STRENGTH AND PHYSICAL PERFORMANCE ARE ASSOCIATED WITH VENTILATORY FUNCTION IN HEALTHY OLDER PEOPLE Sillopaná, E. et al [Finland]

PP-PM16-3 reproducibility and validity of the portuguese version of the pregnancy physical activity questionnaire Santos, P.C. et al [Portugal]

PP-PM16-4 WORKPLACE HEALTH PROMOTION AND ITS IMPACT ON THE WORK ABILITY OF YOUNGER AND OLDER EMPLOYEES IN A MEDIUM-SIZED BUSINESS Wilkie, C. et al [Germany]

PP-PM16-5 ASSOCIATION BETWEEN INTRA-ABDOMINAL PRESSURE AND MUSCLE ACTIVITY LEVELS OF TRUNK MUSCLES Tayoshiki, K. et al [Japan]

PP-PM16-6 RM BENCH PRESS PERFORMANCE: A NEW METHOD OF EVALUATION IN RECREATIONAL MALE AND FEMALE Thomas, E. et al [Italy]

PP-PM16-7 EFFECTS OF SOCIAL AND ENVIRONMENTAL DETERMINANTS ON OVERWEIGHT AND OBESITY AMONG BRAZILIAN SCHOOLCHILDREN Guedes, D. et al [Brazil]

PP-PM16-8 SPEED OF TREADMILL WALKING AND SURVIVAL IN PATIENTS WITH CARDIOVASCULAR DISEASE: A 3-YEAR FOLLOW-UP STUDY Bernardi, E. et al [Italy]

PP-PM16-9 IMPLEMENTING HEALTH PROMOTION PROJECTS IN SPORTS CLUBS – SUPPORTING AND LIMITING FACTORS Zillmann, N. et al [Austria]

PP-PM16-10 CARDIORESPIRATORY FITNESS AND NUTRITIONAL STATUS OF STUDENTS: EVOLUTION IN 30 YEARS Araujo, T. et al [Brazil]

PP-PM16-11 IS KNOWLEDGE OF PHYSICAL ACTIVITY GUIDELINES MOTIVATIONAL FOR BEHAVIOUR CHANGE? RESULTS FROM A NATIONAL SURVEY Knox, E. et al [United Kingdom]

PP-PM16-12 THE EVALUATION OF PHYSICAL ACTIVITY PARAMETERS OF TURKISH JUNIOR GOLFERS Odaibas, I. et al [Turkey]

PP-PM16-13 ATTEMPT TO DEVELOP A SIMPLE AND LESS DEMANDING GLUCOSE TOLERANCE TEST Nii, A. et al [Japan]

PP-PM16-14 HIGH IMPACT EXERCISE INCREASED CORTICAL THICKNESS AT THE SUPERIOR FEMORAL NECK IN OLDER MALE: A 12-MONTH RANDOMISED BLINDED TRAIL USING MULTI-SLICE COMPUTED TOMOGRAPHY Allison, S.J. et al [United Kingdom]

PP-PM16-15 MAXIMAL AEROBIC PERFORMANCE AND HEART RATE VARIABILITY DURING EARLY RECOVERY AFTER REPEATED SPRINT TEST IN SMOKING FEMALES Lee, C.L. et al [Taiwan]

PP-PM16-16 CARDIOPROTECTIVE EFFECTS OF EXERCISE TRAINING ON LEFT VENTRICULAR REMODELING AND NEUROHUMORAL ACTIVATION IN EXPERIMENTAL PULMONARY ARTERIAL HYPERTENSION Schmidt, C. et al [Portugal]

PP-PM16-17 PHYSICAL EXERCISE ANTAGONIZES DOXORUBICIN-INDUCED TOXICITY ON HEART AND BRAIN MITOCHONDRIA Marques-Aleixo, I. et al [Portugal]

PP-PM16-18 FUNCTIONAL LIMITATION AND ASSOCIATED FACTORS: DATA FROM BRAZILIAN ELDERLY Gomes, A.P.F. et al [Brazil]

PP-PM16-19 MODELLING THE HUMAN NEUROMUSCULAR JUNCTION IN VITRO TO INVESTIGATE THE MECHANISMS OF SKELETAL MUSCLE PLASTICITY Player, D.J. et al [United Kingdom]

PP-PM16-20 INFLUENCE OF DIETARY NITRATE SUPPLEMENTS ON THE POWER-DURATION RELATIONSHIP FOR HIGH-INTENSITY EXERCISE Daisuke, M. et al [Japan]

PP-PM16-21 THE EFFECT OF DIFFERENT CARBOXYHEMOGLOBIN ANALYZERS ON HB-MASS ESTIMATIONS Voss, S.C. et al [Qatar]

PP-PM16-22 PHYSICAL ACTIVITY AND OTHER LIFESTYLE RISK FACTORS FROM CARDIAC PHYSICIANS Pardo, A. et al [Spain]

PP-PM16-23 ACUTE CENTRAL AND PERIPHERAL EFFECTS OF MAXIMAL EXERCISE IN HYPOXIA AND COLD IN PEOPLE WITH SPINAL CORD INJURY Frauzino, F.C. et al [Spain]

PP-PM16-24 MEASUREMENT OF LEFT VENTRICULAR FUNCTION BY Tissue Doppler Imaging (TDI) IN PATIENTS WITH ATRIAL FIBRILLATION: DEVELOPMENT OF A NEW MODEL TRP-1B, PROTEIN LEVELS AND IMPROVE INSULIN SIGNALING IN THE LIVER OF OLD RATS Moura, L.P. et al [Brazil]

PP-PM16-25 ACUTE EXERCISE DECREASE PTP-1B PROTEIN LEVEL AND IMPROVE INSULIN SIGNALING IN THE LIVER OF OLD RATS Moura, L.P. et al [Brazil]

PP-PM16-26 MODELLING THE HUMAN NEUROMUSCULAR JUNCTION IN VITRO TO INVESTIGATE THE MECHANISMS OF SKELETAL MUSCLE PLASTICITY Player, D.J. et al [United Kingdom]
Mini Oral Sessions

PP-BN02 Biomechanics [BM] 2
Lecture Room: Aula Esportiva 2
Chair(s): Seifert, L. (France)
Seminari, E. (Italy)

PP-BN02-1
Comparison between Grasp Start and Track Start in Competitive Swimming: A Study of Arm Position and Forearm Angles
Osborne, M. et al. (Switzerland)

PP-BN02-2
The Effect of Head Up Motion on Hand Displacement in a Front Crawl Swim
Utsu, R. et al. (Japan)

PP-BN02-3
Effects of Slip-Induced Changes in Ankle Movement on Muscle Activity and Ground Reaction Forces during Running Acceleration
Ketabi, S. et al. (Denmark)

PP-BN02-4
Using Ball Resin May Affect Handball Throwing Performance: A Case Study
Tao, Y. et al. (Biwan)

PP-BN02-5
Estimation of the Fluid Forces Around a Foot by a Pressure Distribution Analysis During Breaststroke Kicking
Iwakawa, T. et al. (Japan)

PP-BN02-6
Contribution to Propulsion of Running in Front Crawl Swimming
Ichikawa, H. et al. (Japan)

PP-BN02-7
Changes of Physiological Tremor After Maximum Intensity Effort in Male and Female Youths: The Trials of Male and Female Young Swimmers
Mazure-Rozyczka, J. et al. (Poland)

PP-BN02-8
Intracyclic Acceleration Variations Assessment in Elite Long Distance Swimmers with an Accelerometer Device
Company Badia, G. (Spain)

PP-BN02-9
Electrocardiographic Analysis of Muscle Recruitment Patterns in Stationary and Sliding Rowing Ergometers
Osborne, M. et al. (Switzerland)

PP-BN04 Biomechanics [BM] 4
Lecture Room: Aula PP1
Chair(s): Spörri, J. (Austria)
Lindinger, S. (Austria)

PP-BN04-1
Gender Effect in Propulsion of Propulsion during Running: Three Dimensional Motion Reconstructions from Video Sequences
Sassaki, S. et al. (Japan)

PP-BN04-2
A Case Study of External Kinetostics Following the Sprint Start in a Unilateral Transplant Amputee
Bezdics, L. et al. (United Kingdom)

PP-BN04-3
A Reliability Analysis of Kinetic and Temporal Variables Relating to Vertical Jump Performance
Nicholson, G. et al. (United Kingdom)

PP-BN04-4
The Relationship Between Player Technique and Forces Generated in Rugby Schmarming
Churchill, S.M. et al. (United Kingdom)

PP-BN04-5
Ground Reaction Forces of World Class Race Walkers
Hanley, B. et al. (United Kingdom)

PP-BN04-6
The Relationship Between Foot Alignment and Hinge-Foot Kinematics of the Jumper
Fukano, M. et al. (Japan)

PP-BN04-7
Sex Differences in Landing Kinetics During Jumping Exercise
Dankuvaiteviciute, L. et al. (Lithuania)

PP-BN04-8
Validation of an Inertial Sensor Against Electrodiagnostic Motion Capture Under Dynamic Conditions
Iwai-Deh祺ushi, K. et al. (United Kingdom)

PP-SH01 Misc. topics 1
Lecture Room: Aula PS1
Chair(s): Capranica, L. (Italy)
Dikettmüller, R. (Austria)

PP-BN02-10
Body Stability in the Vertical Position and the Kinematic Parameters of Upper Limb Movement in Synchro Swimming
Rubikowska-Kucharska, A. (Poland)

PP-BN02-11
Optimal Cycling Time Trial Position Models
Fintelman, D. et al. (United Kingdom)

PP-BN02-12
Comparative Analysis of the Reaction Time for High Level Spinners and Hurdlers in the Youth, Junior and Absolute Categories
López, J.L. et al. (Spain)

PP-BN02-13
The Influence of Catch Trials on the Consolidation of Motor Memory in Force Field Adaptation Tasks
Cook, A. et al. (Germany)

PP-BN02-14
A Reliability Analysis of Kinetic and Temporal Variables Relating to Vertical Jump Performance
Nicholson, G. et al. (United Kingdom)

PP-BN02-15
The Relationship Between Player Technique and Forces Generated in Rugby Schmarming
Churchill, S.M. et al. (United Kingdom)

PP-BN02-16
The Relationship Between Foot Alignment and Hinge-Foot Kinematics of the Jumper
Fukano, M. et al. (Japan)

PP-BN02-17
Sex Differences in Landing Kinetics During Jumping Exercise
Dankuvaiteviciute, L. et al. (Lithuania)

PP-BN02-18
Validation of an Inertial Sensor Against Electrodiagnostic Motion Capture Under Dynamic Conditions
Iwai-Deh祺ushi, K. et al. (United Kingdom)

PP-BN02-19
Optimal Cycling Time Trial Position Models
Fintelman, D. et al. (United Kingdom)

PP-BN02-20
Comparative Analysis of the Reaction Time for High Level Spinners and Hurdlers in the Youth, Junior and Absolute Categories
López, J.L. et al. (Spain)

PP-BN02-21
The Influence of Catch Trials on the Consolidation of Motor Memory in Force Field Adaptation Tasks
Cook, A. et al. (Germany)

PP-BN02-22
A Reliability Analysis of Kinetic and Temporal Variables Relating to Vertical Jump Performance
Nicholson, G. et al. (United Kingdom)

PP-BN02-23
The Relationship Between Player Technique and Forces Generated in Rugby Schmarming
Churchill, S.M. et al. (United Kingdom)

PP-BN02-24
The Relationship Between Foot Alignment and Hinge-Foot Kinematics of the Jumper
Fukano, M. et al. (Japan)

PP-BN02-25
Sex Differences in Landing Kinetics During Jumping Exercise
Dankuvaiteviciute, L. et al. (Lithuania)

PP-BN02-26
Validation of an Inertial Sensor Against Electrodiagnostic Motion Capture Under Dynamic Conditions
Iwai-Deh祺ushi, K. et al. (United Kingdom)

PP-BN02-27
Optimal Cycling Time Trial Position Models
Fintelman, D. et al. (United Kingdom)

PP-BN02-28
Comparative Analysis of the Reaction Time for High Level Spinners and Hurdlers in the Youth, Junior and Absolute Categories
López, J.L. et al. (Spain)

PP-BN02-29
The Influence of Catch Trials on the Consolidation of Motor Memory in Force Field Adaptation Tasks
Cook, A. et al. (Germany)

PP-BN02-30
A Reliability Analysis of Kinetic and Temporal Variables Relating to Vertical Jump Performance
Nicholson, G. et al. (United Kingdom)

PP-BN02-31
The Relationship Between Player Technique and Forces Generated in Rugby Schmarming
Churchill, S.M. et al. (United Kingdom)

PP-BN02-32
The Relationship Between Foot Alignment and Hinge-Foot Kinematics of the Jumper
Fukano, M. et al. (Japan)

PP-BN02-33
Sex Differences in Landing Kinetics During Jumping Exercise
Dankuvaiteviciute, L. et al. (Lithuania)

PP-BN02-34
Validation of an Inertial Sensor Against Electrodiagnostic Motion Capture Under Dynamic Conditions
Iwai-Deh祺ushi, K. et al. (United Kingdom)

PP-BN02-35
Optimal Cycling Time Trial Position Models
Fintelman, D. et al. (United Kingdom)

PP-BN02-36
Comparative Analysis of the Reaction Time for High Level Spinners and Hurdlers in the Youth, Junior and Absolute Categories
López, J.L. et al. (Spain)

PP-BN02-37
The Influence of Catch Trials on the Consolidation of Motor Memory in Force Field Adaptation Tasks
Cook, A. et al. (Germany)

PP-BN02-38
A Reliability Analysis of Kinetic and Temporal Variables Relating to Vertical Jump Performance
Nicholson, G. et al. (United Kingdom)

PP-BN02-39
The Relationship Between Player Technique and Forces Generated in Rugby Schmarming
Churchill, S.M. et al. (United Kingdom)

PP-BN02-40
The Relationship Between Foot Alignment and Hinge-Foot Kinematics of the Jumper
Fukano, M. et al. (Japan)
FROM FRAGMENTATION TO SYNTHESIS

PP-SH03-1
TEACHING INDICATORS RELATED TO THE BODY EXPRESSION BASIC CONTENTS
coterón, J. et al [Spain]

PP-SH03-2
CHALLENGES FOR A RESEARCH METHODOLOGY OF CIRCUS ACTIVITIES
PÉDAGOGY IN PHYSICAL EDUCATION
Ontañón, T. et al [Brazil]

PP-SH03-3
TEACHING DANCE: A COMPARATIVE STUDY OF USING PREFERRED LEARNING STYLES IN THE TEACHING OF DANCE BETWEEN ENGLISH AND DANISH DANCE ACADEMIES
Cunillie, D. et al [United Kingdom]

PP-SH03-4
TRADITIONAL SPORTING GAMES AND EMOTIONS IN GIRLS AND BOYS
Lusierra, G. [Spain]

PP-SH03-5
PHYSICAL EDUCATION AND EMOTIONAL WELL-BEING: THE EMOTION OF JOY IN COOPERATIVE GAMES
Araujo, P. et al [Spain]

PP-SH03-6
THE EFFECTS OF VARIOUS TYPES OF Cooperative GAMES ON THE SELF-ESTEEM AND ACADEMIC ACHIEVEMENTS OF PRIMARY SCHOOL STUDENTS
Serna, J. et al [Spain]

PP-SH03-7
EMOTIONS IN THE INTROJECTIVE MOTOR TASKS: A GENDER PERSPECTIVE
Font-Lladó, R. et al [Spain]

PP-SH03-8
ELEMENARY SCHOOL PHYSICAL ACTIVITY AND GENDER-RELATED NEEDS
Song, J. [Korea, South]

PP-SH03-9
AGE EFFECTS IN POSITIVE OUTCOMES IN FEMALE VOLLEYBALL PLAYERS
Santos, A. et al [Portugal]

PP-SH03-10
ENJOYMENT AND POWER REGULATIONS IN PE
Furuly, C.D. [Norway]

PP-SH03-11
EFFECTS OF DIFFERENTLY ORIENTED PHYSICAL EDUCATION PROGRAMS ON PHYSICAL EDUCATION ENJOYMENT IN ITALIAN HIGH-SCHOOL STUDENTS
Di Michele, R. et al [Italy]

PP-SH03-12
THE EFFECTS OF FOLK DANCE ACTIVITIES ON STUDENTS' ACADEMIC ACHIEVEMENTS AND SOCIAL HARMONY ABILITIES WHO LIVE IN ORPHANAGES
Aydınlı95cn, M. et al [Turkey]

PP-SH03-13
A STUDY ABOUT THE DEVELOPMENT AND APPLICATION OF THE WORKBOOK FOR FOSTERING PUPILS' CREATIVITY AND CHARACTER IN ELEMENTARY SCHOOL PHYSICAL EDUCATION
Shin, K. [Korea, South]

PP-SH17 Sociology [SOI] 1
LECTURE ROOM: SALA PROFESSORAT 1
Chair(s): Fasting, K. [Norway] van Mechelen, W. [Netherlands]

PP-SH17-1
THE SOCCER SCOUT AND SOCIAL NETWORK THEORY: A QUALITATIVE STUDY OF THE NORWEGIAN TALENT SCOUT IN SOCCER
Michaelsen, Ø. [Norway]

PP-SH17-2
QUALITY OF LIFE RESEARCH IN FUTSAL PLAYERS
Santos, A. [Brazil]

PP-SH17-3
THE ACADEMIZATION PROCESS IN SWEDEN
Wirén Aakesson, J. [Sweden]

PP-SH17-4
VARIABLES THAT CAN INFLUENCE THE PERFORMANCE OF THE OLLIE TRICK
Tessuti, V. et al [Brazil]

PP-SH17-5
RELIABILITY OF NONLINEAR MEASURES OF CENTER OF PRESSURE IN STANDING BALANCE TASKS
Caballero, C. et al [Spain]

PP-SH17-6
RELATIONSHIP BETWEEN APPROACH SPEED AND JUMP TRAJECTORY IN 3-DAY EVENT HOPES
Dondanville, A. [United States]

PP-SH17-7
THE RELATIONSHIP BETWEEN APPROACH SPEED AND JUMP TRAJECTORY IN 3-DAY EVENT HOPES
Dondanville, A. [United States]

PP-SH17-8
INTER- AND INTRA-JOINT COORDINATION IN LOWER LIMB JOINTS OF CLASSICAL BALLET DANCERS DURING TIPTOE STANDING
Tanabe, H. et al [Japan]

PP-SH17-9
TRADITIONAL SPORTING GAMES AND EMOTIONS IN GIRLS AND BOYS
Lasierra, G. [Spain]

PP-SH17-10
PHYSICAL EDUCATION AND EMOTIONAL WELL-BEING: THE EMOTION OF JOY IN COOPERATIVE GAMES
Araujo, P. et al [Spain]

PP-SH17-11
THE EFFECTS OF VARIOUS TYPES OF Cooperative GAMES ON THE SELF-ESTEEM AND ACADEMIC ACHIEVEMENTS OF PRIMARY SCHOOL STUDENTS
Serna, J. et al [Spain]

PP-SH17-12
ENJOYMENT AND POWER REGULATIONS IN PE
Furuly, C.D. [Norway]

PP-SH17-13
A STUDY ABOUT THE DEVELOPMENT AND APPLICATION OF THE WORKBOOK FOR FOSTERING PUPILS' CREATIVITY AND CHARACTER IN ELEMENTARY SCHOOL PHYSICAL EDUCATION
Shin, K. [Korea, South]

PP-SH17-14
THE EFFECTS OF DIFFERENTLY ORIENTED PHYSICAL EDUCATION PROGRAMS ON PHYSICAL EDUCATION ENJOYMENT IN ITALIAN HIGH-SCHOOL STUDENTS
Di Michele, R. et al [Italy]

PP-SH17-15
THE ACADEMIZATION PROCESS IN SWEDEN
Wirén Aakesson, J. [Sweden]

PP-SH17-16
VARIABLES THAT CAN INFLUENCE THE PERFORMANCE OF THE OLLIE TRICK
Tessuti, V. et al [Brazil]

PP-SH17-17
QUALITY OF LIFE RESEARCH IN FUTSAL PLAYERS
Santos, A. [Brazil]

PP-SH17-18
THE ACADEMIZATION PROCESS IN SWEDEN
Wirén Aakesson, J. [Sweden]

PP-SH17-19
THE RELATIONSHIP BETWEEN APPROACH SPEED AND JUMP TRAJECTORY IN 3-DAY EVENT HOPES
Dondanville, A. [United States]

PP-SH17-20
THE RELATIONSHIP BETWEEN APPROACH SPEED AND JUMP TRAJECTORY IN 3-DAY EVENT HOPES
Dondanville, A. [United States]

PP-SH17-21
INTER- AND INTRA-JOINT COORDINATION IN LOWER LIMB JOINTS OF CLASSICAL BALLET DANCERS DURING TIPTOE STANDING
Tanabe, H. et al [Japan]

PP-SH17-22
TRADITIONAL SPORTING GAMES AND EMOTIONS IN GIRLS AND BOYS
Lasierra, G. [Spain]

PP-SH17-23
PHYSICAL EDUCATION AND EMOTIONAL WELL-BEING: THE EMOTION OF JOY IN COOPERATIVE GAMES
Araujo, P. et al [Spain]

PP-SH17-24
THE EFFECTS OF VARIOUS TYPES OF Cooperative GAMES ON THE SELF-ESTEEM AND ACADEMIC ACHIEVEMENTS OF PRIMARY SCHOOL STUDENTS
Serna, J. et al [Spain]

PP-SH17-25
ENJOYMENT AND POWER REGULATIONS IN PE
Furuly, C.D. [Norway]

PP-SH17-26
A STUDY ABOUT THE DEVELOPMENT AND APPLICATION OF THE WORKBOOK FOR FOSTERING PUPILS' CREATIVITY AND CHARACTER IN ELEMENTARY SCHOOL PHYSICAL EDUCATION
Shin, K. [Korea, South]

PP-SH17-27
THE EFFECTS OF DIFFERENTLY ORIENTED PHYSICAL EDUCATION PROGRAMS ON PHYSICAL EDUCATION ENJOYMENT IN ITALIAN HIGH-SCHOOL STUDENTS
Di Michele, R. et al [Italy]

PP-SH17-28
THE ACADEMIZATION PROCESS IN SWEDEN
Wirén Aakesson, J. [Sweden]

PP-SH17-29
VARIABLES THAT CAN INFLUENCE THE PERFORMANCE OF THE OLLIE TRICK
Tessuti, V. et al [Brazil]

PP-SH17-30
QUALITY OF LIFE RESEARCH IN FUTSAL PLAYERS
Santos, A. [Brazil]

PP-SH17-31
THE ACADEMIZATION PROCESS IN SWEDEN
Wirén Aakesson, J. [Sweden]

PP-SH17-32
THE RELATIONSHIP BETWEEN APPROACH SPEED AND JUMP TRAJECTORY IN 3-DAY EVENT HOPES
Dondanville, A. [United States]

PP-SH17-33
INTER- AND INTRA-JOINT COORDINATION IN LOWER LIMB JOINTS OF CLASSICAL BALLET DANCERS DURING TIPTOE STANDING
Tanabe, H. et al [Japan]

PP-SH17-34
TRADITIONAL SPORTING GAMES AND EMOTIONS IN GIRLS AND BOYS
Lasierra, G. [Spain]

PP-SH17-35
PHYSICAL EDUCATION AND EMOTIONAL WELL-BEING: THE EMOTION OF JOY IN COOPERATIVE GAMES
Araujo, P. et al [Spain]

PP-SH17-36
THE EFFECTS OF VARIOUS TYPES OF Cooperative GAMES ON THE SELF-ESTEEM AND ACADEMIC ACHIEVEMENTS OF PRIMARY SCHOOL STUDENTS
Serna, J. et al [Spain]

PP-SH17-37
ENJOYMENT AND POWER REGULATIONS IN PE
Furuly, C.D. [Norway]

PP-SH17-38
A STUDY ABOUT THE DEVELOPMENT AND APPLICATION OF THE WORKBOOK FOR FOSTERING PUPILS' CREATIVITY AND CHARACTER IN ELEMENTARY SCHOOL PHYSICAL EDUCATION
Shin, K. [Korea, South]

PP-SH17-39
THE EFFECTS OF DIFFERENTLY ORIENTED PHYSICAL EDUCATION PROGRAMS ON PHYSICAL EDUCATION ENJOYMENT IN ITALIAN HIGH-SCHOOL STUDENTS
Di Michele, R. et al [Italy]

PP-SH17-40
THE ACADEMIZATION PROCESS IN SWEDEN
Wirén Aakesson, J. [Sweden]

PP-SH17-41
VARIABLES THAT CAN INFLUENCE THE PERFORMANCE OF THE OLLIE TRICK
Tessuti, V. et al [Brazil]

PP-SH17-42
QUALITY OF LIFE RESEARCH IN FUTSAL PLAYERS
Santos, A. [Brazil]

PP-SH17-43
THE ACADEMIZATION PROCESS IN SWEDEN
Wirén Aakesson, J. [Sweden]

PP-SH17-44
THE RELATIONSHIP BETWEEN APPROACH SPEED AND JUMP TRAJECTORY IN 3-DAY EVENT HOPES
Dondanville, A. [United States]

PP-SH17-45
INTER- AND INTRA-JOINT COORDINATION IN LOWER LIMB JOINTS OF CLASSICAL BALLET DANCERS DURING TIPTOE STANDING
Tanabe, H. et al [Japan]
Mini Oral Sessions

Thursday, June 27th, 2013
15:00 - 16:00

PP-PM58 Sports Medicine [SM] 2

LECTURE ROOM: PAVELLÓ SINTÈTIC

Carmona, G. et al [Spain]

SOCCER PLAYERS

Hautier, C. et al [France]

MODIFICATIONS? SEARCHING FOR OPTIMAL STRATEGIES TO MAINTAIN MUSCLE MASS IN HEALTHY ELDERLY

Strandberg, E. et al [Sweden]

VOLITIONAL FAILURE

PP-PM35 Physiology [PH] 2

LECTURE ROOM: SALA D’ACTES

Horowitz, J. [United States]

Enersen, A. [Spain]

THE EFFECTS OF A 6 WEEK ACGM EXERCISE INTERVENTION ON BODY COMPOSITION IN SEDENTARY OLDER MEN.

Kelly, B. et al [United Kingdom]

THE ANALYSIS OF ELECTROMYOGRAPHIC ACTIVITY OF ANKLE MUSCLES DURING BALANCE TRAINING.

Paiva, R.F.L. et al [Brazil]

THE EFFECT OF MECHANICAL OVERLOAD ON FASTING-RELATED MUSCLE ATROPHY.

Goossens, L. et al [Belgium]

THE INFLUENCE OF TESTING POSITION ON HAMSTRING / QUADRICEPS RATIO IN SOCCER PLAYERS

Hautier, C. et al [France]

PP-PM35-7

THE ANALYSIS OF ELECTROMYOGRAPHIC ACTIVITY OF ANKLE MUSCLES DURING BALANCE TRAINING.

Masunari, A. et al [Japan]

PP-PM35-8

RATE PRESSURE PRODUCT RESPONSE TO DYNAMIC AND ISOMETRIC SETS OF RESISTANCE EXERCISE

Harvey, C. et al [United Kingdom]

PP-PM35-9

EFFECTS OF 4-WEEKS LOW-VOLUME, HIGH-INTENSITY INTERVAL TRAINING IN OBESIVE INDIVIDUALS

Varigos, Fernández, E. et al [Germany]

PP-PM35-10

ACCELEROMETER + ACC > OF SELF-PAID CHILDREN’S GAMES DURING ACTIVE PLAY

Takazawa, A. et al [Japan]

PP-PM35-11

EFFECT OF OBESITY-RELATED GENE POLYMORPHISMS ON WEIGHT LOSS IN WRESTLERS

Higashida, K. et al [Japan]

PP-PM35-12

EFFECT OF CONCENTRIC AND ECCENTRIC EXERCISE ON BREATHING EFFICIENCY

Willems, M.E.T. et al [United Kingdom]

PP-PM35-13

REST AND EXERCISE FAT METABOLISM ADAPTATIONS IN RELATION WITH DIFFERENT AEROBIC TRAINING VOLUME

Brazo-Sayavera, J. et al [Spain]

PP-PM35-14

CHARACTERISTICS OF TRUNK MUSCLE BALANCE IN DANCE SPORT PLAYERS

Vacchi, M. et al [Japan]

PP-PM35-15

INTERNAL TRAINING IMPACTS BLOOD PRESSURE MORE EFFECTIVELY THAN WORK MATCHED CONTINUOUS TRAINING IN OVERWEIGHT AND OBESIVE FEMALES.

Nishimura, K. et al [Japan]

PP-PM35-16

THE EFFECT OF ANKLE TAPING ON THE GROUND REACTION FORCE IN VERTICAL JUMP PERFORMANCE

Peers, S. et al [Japan]

PP-PM35-17

PEAK ECCENTRIC HAMSTRING STRENGTH AND SINGLE-LEG HOP AND HOLD FOR DISTANCE CAN PREDICT HAMSTRING INJURY IN BACHELOR PE STUDENTS

Hannah, R. et al [United Kingdom]

PP-PM35-18

VMO RECRUITMENT AFTER THERAPY FOR PATELLAREAL PAIN MEASURED BY MUSCLE FUNCTIONAL MRI

Vandervoort, E. et al [Belgium]

PP-PM35-19

THE EFFECT OF ANKLE TAPING ON GROUND REACTION FORCES IN VERTICAL JUMP PERFORMANCE

Vandervoort, E. et al [Belgium]

PP-PM35-20

THE INFLUENCE OF TESTING POSITION ON HAMSTRING / QUADRICEPS RATIO IN SOCCER PLAYERS

Wu, S.H. et al [Taiwan]

PP-PM35-21

MODIFICATIONS? SEARCHING FOR OPTIMAL STRATEGIES TO MAINTAIN MUSCLE MASS IN HEALTHY ELDERLY

Strandberg, E. et al [Sweden]

PP-PM35-22

COMPARISON OF MUSCLE DAMAGE INDUCED BY MAXIMAL ECCENTRIC CONTRACTIONS BETWEEN ELBOW FLEXORS AND KNEE EXTENSORS OF OLDER ADULTS

Nogueira, F. et al [Brazil]

PP-PM35-23

REPEAT BOUT EFFECT ON ECCENTRIC EXERCISE-INDUCED MUSCLE DAMAGE AND GYCAEMIC RESPONSE

Hughes, J. et al [United Kingdom]

PP-PM35-24

THE EFFECT OF NEUROMUSCULAR ELECTROSTIMULATION VIA THE PERONEAL NERVE ON ONE-LEGGED PEAK OXYGEN UPTAKE AND PEAK POWER OUTPUT FOLLOWING FOUR WEEKS OF HIGH INTENSITY INTERVAL TRAINING

Ferguson, R.A. et al [United Kingdom]

PP-PM35-25

THE EFFECT OF ANKLE TAPING ON GROUND REACTION FORCES IN VERTICAL JUMP PERFORMANCE

Vandervoort, E. et al [Belgium]

PP-PM35-26

THE EFFECT OF MECHANICAL OVERLOAD ON FASTING-RELATED MUSCLE ATROPHY

Goossens, L. et al [Belgium]

PP-PM40 Physiology [PH] 7

LECTURE ROOM: AULA MAGNA

Radak, Z. [Hungary]

Derave, W. [Belgium]

PP-PM40-1

THE EFFECT OF NEUROMUSCULAR ELECTROSTIMULATION VIA THE PERONEAL NERVE ON MUSCLE SORNESS AND SERUM CREATINE KINASE ACTIVITY FOLLOWING INTENSE EXERCISE.

Aparicio, V.A. et al [Spain]

PP-PM40-2

THE EFFECT OF NEUROMUSCULAR ELECTROSTIMULATION VIA THE PERONEAL NERVE ON ONE LEGGED PEAK OXYGEN UPTAKE AND PEAK POWER OUTPUT FOLLOWING FOUR WEEKS OF HIGH INTENSITY INTERVAL TRAINING.

Ferguson, R.A. et al [United Kingdom]

PP-PM40-3

EFFECT OF CONCENTRIC AND ECCENTRIC EXERCISE ON POST-EXERCISE GLEUCOSE CLEARANCE.

Williams, M.E.T. et al [United Kingdom]

PP-PM40-4

THE EFFECT OF ANKLE TAPING ON THE GROUND REACTION FORCE IN VERTICAL JUMP PERFORMANCE.

Koyama, K. et al [Japan]

PP-PM40-5

THE EFFECT OF ANKLE TAPING ON THE GROUND REACTION FORCE IN VERTICAL JUMP PERFORMANCE.

Koyama, K. et al [Japan]

PP-PM40-6

THE EFFECT OF ANGIO X-RAY DATES ON ECCENTRIC EXERCISE-INDUCED MUSCLE DAMAGE.

Zainuddin, Z. et al [Malaysia]

PP-PM40-7

EFFECT OF ANTIOXIDANT-RICH DATES ON ECCENTRIC EXERCISE-INDUCED MUSCLE DAMAGE.

Zainuddin, Z. et al [Malaysia]

PP-PM40-8

THE EFFECT OF ANGIO X-RAY DATES ON ECCENTRIC EXERCISE-INDUCED MUSCLE DAMAGE.

Zainuddin, Z. et al [Malaysia]

PP-PM40-9

THE EFFECT OF ANGIO X-RAY DATES ON ECCENTRIC EXERCISE-INDUCED MUSCLE DAMAGE.

Zainuddin, Z. et al [Malaysia]

PP-PM40-10

THE EFFECT OF CONCENTRIC AND ECCENTRIC EXERCISE ON POST-EXERCISE GLEUCOSE CLEARANCE.

Williams, M.E.T. et al [United Kingdom]

PP-PM40-11

THE EFFECT OF ANGIO X-RAY DATES ON ECCENTRIC EXERCISE-INDUCED MUSCLE DAMAGE.

Zainuddin, Z. et al [Malaysia]

PP-PM40-12

THE EFFECT OF ANGIO X-RAY DATES ON ECCENTRIC EXERCISE-INDUCED MUSCLE DAMAGE.

Zainuddin, Z. et al [Malaysia]

PP-PM40-13

THE EFFECT OF ANGIO X-RAY DATES ON ECCENTRIC EXERCISE-INDUCED MUSCLE DAMAGE.

Zainuddin, Z. et al [Malaysia]
**PP-PM34 Physiology [PH] 1**

**Lecture Room: Aula Informatica 1**

**Chair(s):** Kalliokoski, K. [Finland] Ponce Gonzalez, J. [Spain]

**PP-PM34-1**

MIDDLE AND OLDER ADULTS.

**Damasceno, M.V. et al. [Brazil]**

ELBOW FLEXORS AMONG 9-10 AND 14-15 YEARS OLD BOYS AND 20-25 YEARS OLD MEN

**Nosaka, K. et al. [Australia]**

MUSCLE FATIGUE FOLLOWING SUSTAINED CONTRACTIONS WITH IDENTICAL TORQUE TIME INTEGRAL

**Rozand, V. et al. [France]**

MITOCHONDRIAL RESPIRATORY CAPACITY IN SKELETAL MUSCLE DOES NOT CHANGE AFTER HIGH INTENSITY INTERVAL TRAINING IN PATIENTS WITH TYPE 2 DIABETES

**Bjerre Andersen, N. et al. [Denmark]**

MUSCLE DAMAGE INDUCED BY AN ULTRA-ENDURANCE TRIATHLON AFFECTS SLOW FIBRES AND IS RELATED TO DEHYDRATION

**Barrero, A. et al. [Spain]**

MUSCLE FATIGUE FOLLOWING SUSTAINED CONTRACTIONS WITH IDENTICAL TORQUE TIME INTEGRAL

**Rozand, V. et al. [France]**

MITOCHONDRIAL RESPIRATORY CAPACITY IN SKELETAL MUSCLE DOES NOT CHANGE AFTER HIGH INTENSITY INTERVAL TRAINING IN PATIENTS WITH TYPE 2 DIABETES

**Bjerre Andersen, N. et al. [Denmark]**

MUSCLE DAMAGE INDUCED BY AN ULTRA-ENDURANCE TRIATHLON AFFECTS SLOW FIBRES AND IS RELATED TO DEHYDRATION

**Barrero, A. et al. [Spain]**

**PP-PM34-2**

WHOLE BODY CRYOSTIMULATION AS A DAILY RECOVERY STRATEGY DURING INTENSIFIED TRAINING IN ELITE-LEVEL SYNCHRONIZED SWIMMING

**Schaal, K. et al. [France]**

6 WEEKS OF HIGH INTENSITY INTERVAL TRAINING IMPROVES MITOCHONDRIAL RESPIRATORY CAPACITY BUT NOT V02MAX

**Dohrnann, T. et al. [Denmark]**

MITOCHONDRIAL RESPIRATORY CAPACITY IN SKELETAL MUSCLE DOES NOT CHANGE AFTER HIGH INTENSITY INTERVAL TRAINING IN PATIENTS WITH TYPE 2 DIABETES

**Bjerre Andersen, N. et al. [Denmark]**

MUSCLE DAMAGE INDUCED BY AN ULTRA-ENDURANCE TRIATHLON AFFECTS SLOW FIBRES AND IS RELATED TO DEHYDRATION

**Barrero, A. et al. [Spain]**

**PP-PM34-3**

AN EXPLORATION OF AFTERLOAD DEPENDENT RELAXATION AS A COMPONENT OF VENTRICULAR ARTERIAL INTERACTION USING SPECKLE TRACKING ECHOCARDIOGRAPHY AND PULSE WAVE ANALYSIS AT REST AND DURING EXERCISE

**Keeley, M. et al. [United Kingdom]**

THERMOREGULATORY RESPONSES AND FLUID BALANCE DURING MEDICAL RESPONSE FORCE DEPLOYMENT

**Ang, W.H. et al. [Singapore]**

GAS EXCHANGE AND OXYGEN UPTAKE KINETICS DURING SUB-MAXIMAL EXERCISE IN SWIMMING

**Almeida, T. et al. [Portugal]**

PROJECT ACCE <ACTIVE, CONNECTED, AND ENGAGED>: REFINEMENT OF A VOLUNTEER-LED ACTIVE AGEING INTERVENTION USING QUALITATIVE METHODS

**de Koning, J. et al. [United Kingdom]**

**PP-PM34-4**

RANGE ANGLE CHARACTERISTICS IN WELL TRAINED ROCK CLIMBERS

**Thompson, E.B. et al. [United Kingdom]**

THREE-DEGREE-OF-FREEDOM FULL BODY-CALCULATION DURING MEDICAL RESPONSE FORCE DEPLOYMENT

**Ang, W.H. et al. [Singapore]**

SYSTEMATIC REVIEW AND META-ANALYSIS OF TRAINING MODE, IMAGING MODALITY AND BODY SIZE INFLUENCES ON THE MORPHOLOGY AND FUNCTION OF THE MALE ATHLETES HEART

**Uto, V. et al. [United Kingdom]**

THE EFFECTS OF PARTIAL REDUCTION IN STRENGTH TRAINING REGIMEN ON PERFORMANCE AND MUSCLE MASS

**Tricoli, V. et al. [Brazil]**

THE REDUCTION IN MAXIMAL FORCE CAPACITY CAN LIMIT THE TIME TO TASK FAILURE OF A SUSTAINED CONTRACTION

**Abdelmoula, A. et al. [Belgium]**

EFFECTS OF A PRE-EXERCISE GLYCOGEN REDUCTION PROTOCOL ON THE RECOVERY OF NEUROMUSCULAR FUNCTION FOLLOWING MILD EXERCISE-INDUCED MUSCLE DAMAGE

**Gavin, J.P. et al. [United Kingdom]**

EVALUATION OF A NEW FORCE VELOCITY TEST AND ITS RELATION TO MUSCLE MASS AND AGING CATEGORY IN HANDBALL

**Sánchez, A. et al. [Spain]**

TRANSMISSION OF PLATFORM VIBRATIONS THROUGH CABLES AND ITS EFFECT ON UPPER BODY MUSCLE ACTIVITY

**Tank sheva, E. et al. [Belgium]**

THE CMJ AS A MEASURE OF CONTROL FOR INDOOR TRAINING ON HIGH LEVEL MIDDLE AND LONG DISTANCE RUNNERS

**Balsalobre-Fernández, C. et al. [Spain]**

MITOCHONDRIAL RESPIRATION CHANGING AFTER REPEATED-CYCLING-SPRINTS PERFORMED UNDER CLASSIC ACIDOSIS AND INDUCED-ALKALOSIS

**Delfour-Peyrethon, R. et al. [France]**

LOW VOLUME WEIGHTED STEPPING IMPROVES LOWER LIMB MUSCLE STRONGTH, POWER AND FUNCTIONAL ABILITY IN OLDER FEMALES

**Mair, J.L. et al. [Ireland]**

EFFECT OF WALL INCLINATION AND CLIMBING ABILITY ON PHYSIOLOGICAL RESPONSE IN FEMALE CLIMBERS

**Panacchia, M. et al. [Greek Republic]**

INHALED LEUCOSIN AND ACETYLSALICYLIC ACID INHIBIT EPITHELIAL CYTOKINE PRODUCTION AND AIRWAY SPASM IN ASTHMA PATIENTS

**Utrera, V. et al. [Italy]**

LOW VOLUME WEIGHTED STEPPING IMPROVES LOWER LIMB MUSCLE STRONGTH, POWER AND FUNCTIONAL ABILITY IN OLDER FEMALES

**Mair, J.L. et al. [Ireland]**

EFFECT OF PARTIAL REDUCTION IN STRENGTH TRAINING REGIMEN ON PERFORMANCE AND MUSCLE MASS

**Tricoli, V. et al. [Brazil]**

THE EFFECTS OF FLOAT-EQUIPPED AQUA TRAINING SWIMWEAR ON WATER JOGGING

**Akiharu, S. et al. [Japan]**

COMPARABILITY OF ACCELEROMETER- AND IPAQ-DERIVED PHYSICAL ACTIVITY AND SEDENTARY TIME IN SOUTH ASIAN WOMEN

**Babakus, W.S. et al. [United Kingdom]**

IMPACT OF REGRESSION MODEL ON THE RELATIONSHIP BETWEEN LACTATE THRESHOLD USING THE MAXIMAL-DEVIATION METHOD AND PERFORMANCE WELL-TRAINED ATHLETES

**Santos-Concejero, J. et al. [South Africa]**
Mini Oral Sessions

**PP-BN01-1**
SPECIFIC MUSCLE-TENDON ARCHITECTURE IN ELITE KENYAN DISTANCE RUNNERS
Kunimatsu, Y. et al [Japan]

**PP-BN01-2**
INFLUENCE OF GENDER ON CORE STABILITY STRATEGIES DURING LATERAL REACTIVE JUMPS
Velten, E. et al [Germany]

**PP-BN01-3**
TRANSITIONAL AMPUTEES FAVOUR THE INTEGRAL UMB WHEN LANDING FROM A COUNTERMOMENT JUMP
Shin, S. et al [United Kingdom]

**PP-BN01-4**
EVALUATION OF ACJ IN UFRG'S YOUNG FEMALE HANDBALL PLAYERS
Rodriguez-Castro, O. et al [Spain]

**PP-BN01-5**
INDIVIDUALLY SHAPED FORCE-VELOCITY RELATIONS EFFECT MUSCLE STRESS DURING ISOKINETIC LEG PRESS MOVEMENTS WITH MVC
Perasso, H. et al [Australia]

**PP-BN01-6**
QUALITATIVE ANALYSIS ON FOOTBALLERS' BEHAVIOURS LEADING TO AN HANDLING THE BALL INFRINGEMENT
Moreira, M. et al [Portugal]

**PP-BN01-7**
TECHNIQUES TO IMPROVE INJURY PREVENTION IN YOUNG FEMALE SOCCER PLAYERS
Cudina, D. et al [Portugal]

**PP-BN01-8**
THE RELATIONSHIP BETWEEN GENDER AND HLQ IN ELITE YOUTH SOCCER PLAYERS
Ribeiro, M. et al [Portugal]

**PP-BN01-9**
THE ASSOCIATION BETWEEN FEMALE FIELD HOCKEY PLAYERS' PHYSICAL PERFORMANCE AND INJURY RISK FACTORS
Lopes, M. et al [Portugal]

**PP-BN01-10**
DERIVED EMG PARAMETERS FROM FOODBALL PLAYERS' JUMPING AVOIDING INJURIES
Lopes, J. et al [Portugal]

**PP-BN01-11**
THE EFFECT OF APPLIED MODELING OF BASEBALL BATS ON BATTER'S PERFORMANCE
Pereira, A. et al [Brazil]

**PP-BN01-12**
THE RELATIONSHIP BETWEEN MUSCLE ACTIVITY AND AERODYNAMICS IN ELITE BASKETBALL PLAYERS
Silva, A.M. et al [Portugal]

**PP-BN01-13**
ON THE DEVELOPMENT OF ASEMBLY SKILLS IN FIRST YEAR PHYSICAL EDUCATION STUDENTS
Lopes, S. et al [Portugal]

**PP-BN01-14**
THE EFFECT OF CORE STABILITY TRAINING AND WINTER VARIABILITY IN INJURY RISK FACTORS IN WOMEN'S HANDBALL PLAYERS
Rodrigues, M. et al [Portugal]

**PP-BN01-15**
THE RELATIONSHIP BETWEEN MUSCLE ACTIVITY AND AERODYNAMICS IN ELITE BASKETBALL PLAYERS
Silva, A.M. et al [Portugal]

**PP-BN01-16**
ON THE DEVELOPMENT OF ASEMBLY SKILLS IN FIRST YEAR PHYSICAL EDUCATION STUDENTS
Lopes, S. et al [Portugal]

**PP-BN01-17**
THE RELATIONSHIP BETWEEN MUSCLE ACTIVITY AND AERODYNAMICS IN ELITE BASKETBALL PLAYERS
Silva, A.M. et al [Portugal]

**PP-BN01-18**
ON THE DEVELOPMENT OF ASEMBLY SKILLS IN FIRST YEAR PHYSICAL EDUCATION STUDENTS
Lopes, S. et al [Portugal]

**PP-BN01-19**
THE RELATIONSHIP BETWEEN MUSCLE ACTIVITY AND AERODYNAMICS IN ELITE BASKETBALL PLAYERS
Silva, A.M. et al [Portugal]

**PP-BN01-20**
ON THE DEVELOPMENT OF ASEMBLY SKILLS IN FIRST YEAR PHYSICAL EDUCATION STUDENTS
Lopes, S. et al [Portugal]

**PP-BN01-21**
THE RELATIONSHIP BETWEEN MUSCLE ACTIVITY AND AERODYNAMICS IN ELITE BASKETBALL PLAYERS
Silva, A.M. et al [Portugal]

**PP-BN01-22**
ON THE DEVELOPMENT OF ASEMBLY SKILLS IN FIRST YEAR PHYSICAL EDUCATION STUDENTS
Lopes, S. et al [Portugal]

**PP-BN01-23**
THE RELATIONSHIP BETWEEN MUSCLE ACTIVITY AND AERODYNAMICS IN ELITE BASKETBALL PLAYERS
Silva, A.M. et al [Portugal]

**PP-BN01-24**
ON THE DEVELOPMENT OF ASEMBLY SKILLS IN FIRST YEAR PHYSICAL EDUCATION STUDENTS
Lopes, S. et al [Portugal]

**PP-BN01-25**
THE RELATIONSHIP BETWEEN MUSCLE ACTIVITY AND AERODYNAMICS IN ELITE BASKETBALL PLAYERS
Silva, A.M. et al [Portugal]

**PP-BN01-26**
ON THE DEVELOPMENT OF ASEMBLY SKILLS IN FIRST YEAR PHYSICAL EDUCATION STUDENTS
Lopes, S. et al [Portugal]

**PP-BN01-27**
THE RELATIONSHIP BETWEEN MUSCLE ACTIVITY AND AERODYNAMICS IN ELITE BASKETBALL PLAYERS
Silva, A.M. et al [Portugal]

**PP-BN01-28**
ON THE DEVELOPMENT OF ASEMBLY SKILLS IN FIRST YEAR PHYSICAL EDUCATION STUDENTS
Lopes, S. et al [Portugal]

**PP-BN01-29**
THE RELATIONSHIP BETWEEN MUSCLE ACTIVITY AND AERODYNAMICS IN ELITE BASKETBALL PLAYERS
Silva, A.M. et al [Portugal]

**PP-BN01-30**
ON THE DEVELOPMENT OF ASEMBLY SKILLS IN FIRST YEAR PHYSICAL EDUCATION STUDENTS
Lopes, S. et al [Portugal]
PP-SH08 Psychology (PS) 1

LECTURE ROOM: AULA PS2
Chair(s): Tenenbaum, G. (United States)

PP-SH08-1
WORKING MEMORY CAPACITY AS CONTROLLED ATTENTION IN SPORTS
Furley, P. et al. (Germany)

PP-SH08-2
COGNITIVE FUNCTION IN OBESITY: INTERVAL VERSUS CONTINUOUS EXERCISE INTERVENTION
Weeden, A. et al. (United Kingdom)

PP-SH08-3
THE EFFECTS OF AN EXERCISE INTERVENTION ON SYMPTOMS OF PREMENSTRUAL SYNDROME AND QUALITY OF LIFE
Hiller, S.E. et al. (United Kingdom)

PP-SH08-4
PSYCHOLOGICAL STATE ASSOCIATED WITH MENSTRUAL CYCLE PHASES IN WELL TRAINED AND RECREATIONAL ATHLETES
Tengah, R. et al. (Malaysia)

PP-SH08-5
MUSLIM MAGHRIBIAN WOMEN WAYS OF PARTICIPATION IN SPORT AND PHYSICAL ACTIVITY IN CATALONIA: ATTITUDES AND EXPERIENCES
Nasri, K. et al. (Spain)

PP-SH08-6
SOCIAL MEDIA AND PHYSICAL ACTIVITY: A SYSTEMATIC REVIEW
Soe, S. et al. (Spain)

PP-SH08-7
THE USE OF MINDFULNESS IN SPORT PSYCHOLOGY: A SYSTEMATIC REVIEW
Valenti, R. et al. (Austria)

PP-SH08-8
POLICY MAKERS' PERSPECTIVES ON THE PROMOTION OF PHYSICAL ACTIVITY POLICIES IN SPAIN
Pietrantoni, L. et al. (Italy)

PP-SH08-9
THE PHENOMENON OF DOPING FROM THE PERSPECTIVE OF THE SPANISH OLYMPIC CYCLING NATIONAL TEAMS
Morente-Sánchez, J. et al. (Spain)

PP-SH08-10
PSYCHOLOGICAL FACTORS TOWARDS DOPING AND SUBSTANCE ABUSE IN JAPANESE ELITE ATHLETES
Saito, Y. et al. (Japan)

PP-SH08-11
SEARCHING FOR THE PERFECT EXPERIENCE: THROUGH THE COMPARATIVE EXAMINATION OF THE HIP - HIP DANCE AND HANDBALL
Balogh, L. et al. (Hungary)

PP-SH08-12
THE EFFECTS OF AN EXERCISE INTERVENTION ON SYMPTOMS OF PREMENSTRUAL SYNDROME AND QUALITY OF LIFE
Hiller, S.E. et al. (United Kingdom)

PP-SH08-13
THE INFLUENCE OF ACUTE BOUTS OF MODERATE-INTENSITY INJURY ON EXECUTIVE FUNCTION IN ADOLESCENTS
Soga, K. et al. (Japan)

PP-SH08-14
THE USE OF MINDFULNESS IN SPORT PSYCHOLOGY: A SYSTEMATIC REVIEW
Soe, S. et al. (Spain)

PP-SH08-15
OPINIONS AND PERCEPTIONS OF POLICY MAKERS TOWARDS PROMOTION OF PHYSICAL ACTIVITY IN SPAIN
Pietrantoni, L. et al. (Italy)

PP-SH08-16
THE PHENOMENON OF DOPING FROM THE PERSPECTIVE OF THE SPANISH NATIVE CYCLING NATIONAL TEAMS
Morente-Sánchez, J. et al. (Spain)

PP-SH08-17
PSYCHOLOGICAL STATE ASSOCIATED WITH MENSTRUAL CYCLE PHASES IN WELL TRAINED AND RECREATIONAL ATHLETES
Tengah, R. et al. (Malaysia)

PP-SH08-18
MUSLIM MAGHRIBIAN WOMEN WAYS OF PARTICIPATION IN SPORT AND PHYSICAL ACTIVITY IN CATALONIA: ATTITUDES AND EXPERIENCES
Nasri, K. et al. (Spain)

PP-SH08-19
SOCIAL MEDIA AND PHYSICAL ACTIVITY: A SYSTEMATIC REVIEW
Valenti, R. et al. (Austria)

PP-SH08-20
THE USE OF MINDFULNESS IN SPORT PSYCHOLOGY: A SYSTEMATIC REVIEW
Soe, S. et al. (Spain)

PP-SH08-21
THE USE OF MINDFULNESS IN SPORT PSYCHOLOGY: A SYSTEMATIC REVIEW
Soe, S. et al. (Spain)

PP-SH08-22
THE USE OF MINDFULNESS IN SPORT PSYCHOLOGY: A SYSTEMATIC REVIEW
Soe, S. et al. (Spain)
Mini Oral Sessions

Friday, June 28th, 2013

14:00 - 15:00

PP-PM29 Nutrition [NU] 3
LECTURE ROOM: PALLO SINTETIC
Chair(s): Platen, P. [Germany]
Raastad, T. [Norway]

PP-PM29-6
EFFECT OF A COMPARISON OF TECHNIQUES TO INDICATE ACUTE HYDRATION STATUS AND THE EFFECT OF SAMPLE STORAGE ON MEASUREMENTS
Centier, J. M. et al. [United Kingdom]

PP-PM29-1
EFFECTS OF PREVIOUS INGESTION OF COCONUT WATER ON FLUID BALANCE AND PHYSICAL PERFORMANCE IN THE HEAT
Laitano, O. et al. [Brazil]

PP-PM29-3
INTRAIC VOLUME AND FLUIDS DURING AN ULTRA-ENDURANCE BICYCLE RACE: AN OBSERVATIONAL FIELD STUDY
Konrad, M. et al. [Australia]

PP-PM29-4
POST EXERCISE REHYDRATION: EFFECT OF BEER CONSUMPTION ON FLUID BALANCE
Wijnen, A. et al. [Netherlands]

PP-PM29-5
EFFECT OF GREEN TEA EXTRACTS SUPPLEMENTATION ON FRUITY ACID OXIDATION AND MOLECULAR MECHANISMS INVOLVED IN CYCLOSPORIN SENSITIVITY IN EXERTED HUMAN SKELETAL MUSCLE
Cheng, I. S. et al. [Taiwan]

PP-PM36 Physiology [PH] 3
LECTURE ROOM: SALA D'ACTES
Chair(s): Kenney, W. [United States]

PP-PM36-9
ACUTE CARDIOVASCULAR RESPONSES TO RESISTANCE AND AEROBIC BLOOD FLOW RESTRICTION EXERCISE
Nielsen, J. [Denmark]

PP-PM36-11
ACUTE RESPONSES OF HEART RATE VARIABILITY AFTER RESISTANCE AND AEROBIC BLOOD FLOW RESTRICTION EXERCISE
Chacon-Mikahil, M. P. et al. [Brazil]

PP-PM36-13
EFFECTS OF ENDURANCE TRAINING ON THE INTERNAL CAROTID AND Vertebral Artery Blood Flow Responses to Graded Dynamic Exercise
Yone, M. et al. [Japan]

PP-PM41 Physiology [PH] 8
LECTURE ROOM: AULA MAGNA 1
Chair(s): Willens, M. [United Kingdom]

PP-PM41-12
EFFECTS OF PREVIOUS INGESTION OF COCONUT WATER ON FLUID BALANCE AND PHYSICAL PERFORMANCE IN THE HEAT
Laitano, O. et al. [Brazil]

PP-PM41-14
EFFECTS OF PREVIOUS INGESTION OF COCONUT WATER ON FLUID BALANCE AND PHYSICAL PERFORMANCE IN THE HEAT
Laitano, O. et al. [Brazil]

PP-PM41-16
EFFECTS OF COCONUT WATER ON FLUID BALANCE AND PHYSICAL PERFORMANCE IN THE HEAT
Laitano, O. et al. [Brazil]

PP-PM41-18
EFFECTS OF COCONUT WATER ON FLUID BALANCE AND PHYSICAL PERFORMANCE IN THE HEAT
Laitano, O. et al. [Brazil]

PP-PM41-20
EFFECTS OF COCONUT WATER ON FLUID BALANCE AND PHYSICAL PERFORMANCE IN THE HEAT
Laitano, O. et al. [Brazil]

PP-PM41-22
EFFECTS OF COCONUT WATER ON FLUID BALANCE AND PHYSICAL PERFORMANCE IN THE HEAT
Laitano, O. et al. [Brazil]

PP-PM41-24
EFFECTS OF COCONUT WATER ON FLUID BALANCE AND PHYSICAL PERFORMANCE IN THE HEAT
Laitano, O. et al. [Brazil]
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td>PP-PM47</td>
<td>PHYSIOLOGICAL ADAPTATIONS OF AN 8-WEEK RECREATIONAL SOCCER PRACTICE AND RUNNING TRAINING IN UNTRAINED WOMEN</td>
<td>Ortiz, J.G. et al. [Brazil]</td>
<td></td>
</tr>
<tr>
<td>14:00</td>
<td>PP-PM47</td>
<td>LACTATE TURN POINTS, CRITICAL LACTATE CLEARANCE AND CONSTANT LOAD CYCLE ERGOMETER EXERCISE Hoffmann, P. et al. [Austria]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:00</td>
<td>PP-PM47</td>
<td>IS THERE A RELATION BETWEEN CHANGES IN TRAINING PERFORMANCE AND AEROBIC OR ANAEROBIC CAPACITY DURING TWO-WEEK HIGH-INTENSITY INTERNAL TRAINING? Kozumplik, M. et al. [Finland]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:00</td>
<td>PP-PM47</td>
<td>EXHAUSTIVE CYCLING EXERCISE TERMINATES EARLIER FOLLOWING PRIOR UPPER BODY EXERCISE DESPITE LES QUADRICEPS MUSCLE FATIGUE Johnson, M. et al. [United Kingdom]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:00</td>
<td>PP-PM47</td>
<td>EFFECTS OF TWO CYCLING LEG EXERCISES ON MAXIMAL &lt;ANAEROBIC&gt; POWER: COMPARISON BETWEEN THE VANGUARD AND THE FORCE VELOCITY TESTS Jaafar, H. et al. [France]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:00</td>
<td>PP-PM47</td>
<td>DOES MAXIMAL POWER OUTPUT ON A CYCLE ERGOMETER DEPEND ON RATE OF FORCE DEVELOPMENT AND MUSCLE-TELENOUS STIFFNESS OF THE PLANTAR ANKLE REXOR MUSCLES? Roux, M. et al. [France]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:00</td>
<td>PP-PM47</td>
<td>SPECIFICS OF MUSCLE ELECTRIC ACTIVITY DURING ARCHERY SHOOTING Buchatskaya, I.N. et al. [Russia]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:00</td>
<td>PP-PM47</td>
<td>BLOOD LACTATE AFTER COMPETITIVE FREE DIVING AND SYNCHRONIZED SWIMMING EVENTS Rodriguez-Zamora, L. et al. [Spain]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Mini Oral Sessions

PROGENITOR CELLS LIBERATION IN PATIENTS WHO SUFFERED A TRAUMATIC BRAIN INJURY
Condé, L. et al [Spain]

PP-PM16 Health and Fitness [HF] 12
LECTURE ROOM: AULA 1
Chairs(s): Miyashita, M. [Japan]
Vainoras, A. [Lithuania]

PP-PM16-1
EFFECTS OF WEIGHT LOSS ON THE DYNAMICAL MARKS OF CENTRE OF GRAVITY IN DIFFERENT BMI, BODY FAT PERCENTAGE AND WAIST HIP RATIO CATEGORIES
Sebicki, P. et al [Hungary]

PP-PM16-2
EFFECT OF 24-WEEKS OF BIODENSITY TRAINING ON BONE MINERAL DENSITY AND LEAN MUSCLE QUANTITY AND STRENGTH IN HEALTHY AND OBESO-POROTIC ADULTS
Rockey, S. et al [United States]

PP-PM16-3
EFFECTS OF A 3-MONTHS VIGOROUS PHYSICAL ACTIVITY -VPA- INTERVENTION ON EATING BEHAVIORS AND BODY COMPOSITION IN OBESIVE ADOLESCENTS
Martin-García, M. et al [Spain]

PP-PM16-4
BODY COMPOSITION IN TENNIS PLAYERS AND MAXIMAL OXYGEN INTAKE: A LONGITUDINAL STUDY WITH CHILDREN.
Royer, J. et al [Brazil]

PP-PM16-5
BODY COMPOSITION CHANGES AFTER 4 MONTHS OF HIGH-INTENSITY AEROBIC INTERVAL TRAINING IN METABOLIC SYMPTOMS PATIENTS.
Crucet, C. et al [Spain]

PP-PM16-6
VALENCY OF SELF-REPORTED ANTHROPOMETRIC VALUES USED TO ASSESS BODY MASS INDEX IN PHYSICALLY ACTIVE ADULTS.
Theodoropoulou, E. et al [Greece]

PP-PM16-7
ASSOCIATION OF FEMORAL NECK BONE MINERAL DENSITY WITH BODY COMPOSITION AND GRIP STRENGTH
Tachiki, T. et al [Japan]

PP-PM16-8
RELATIONSHIPS AMONG BODY MASS INDEX, BODY IMAGE AND PHYSICAL PERFORMANCE IN ITALIAN ADOLESCENTS
Spiga, F. et al [Italy]

PP-PM16-9
SECULAR TRENDS IN ANTHROPOMETRIC MEASUREMENTS OF ATHLETES SPECIALIZING IN SPEED SKATING
Godina, E. et al [Russia]

PP-PM16-10
DOES BODY MASS INDEX AFFECT ARREST TECHNIQUE PERFORMANCE ON NORWEGIAN POLICE UNIVERSITY COLLEGE STUDENTS?
Jensen, O. et al [Norway]

PP-PM16-11
RELATIONSHIP BETWEEN PRACTICE, BODY COMPOSITION AND PERFORMANCE IN MALE UNDERGRADUATE TRAITEES
Buva, L. et al [Spain]

PP-PM16-12
PHYSICAL PERFORMANCE IN YOUNG MEN AT SWISS ARMY RECRUITMENT 2006 TO 2012
Wyss, T. et al [Switzerland]

PP-PM09 Health and Fitness [HF] 3
LECTURE ROOM: AULA 2
Chair(s): Szath, A. [United Kingdom]
Porta, J. [Spain]

PP-PM09-1
EFFECTS OF PHYSICAL EXERCISE PROGRAMS ON BODY COMPOSITION OF ELDERLY WOMEN
Araujo, P. et al [Spain]

PP-PM09-2
EFFECTS OF A PHYSICAL EXERCISE PROGRAM IN THE FUNCTIONAL FITNESS AND BODY COMPOSITION OF AN ELDERLY POPULATION
Martins, A. et al [Portugal]

PP-PM09-3
ANALYSIS OF VARIATIONS IN CENTER OF PRESSURE IN STANDING POSITION IN YOUNG SUBJECTS WITH DOWN SYNDROME AFTER A DANCE TRAINING PROGRAM
Massi, N. et al [Spain]

PP-PM09-4
EFFECT OF TWO ENDURANCE TRAINING METHODS ON PHOSPHOCREATINE KINETICS IN CHILDREN.
Slopianka, M. et al [Germany]

PP-PM09-5
EFFECTS OF MOTOR PERCEPTION INTERVENTION ON PHYSICAL ACTIVITY IN A JAPANESE PRE-SCHOOL AGED CHILDREN AND THE RELATIONSHIP BETWEEN THE EFFECTS AND MOTOR ABILITY.
Ikedo, T. et al [Japan]

PP-PM09-6
COMPARISON OF SUMMER AND WINTER PHYSICAL ACTIVITY OF SENIOR CITIZENS IN THE REYKJAVIK CAPITAL AREA
Óskarsson, M. et al [Iceland]

PP-PM09-7
ANALYSIS OF VARIATIONS IN CENTER OF PRESSURE IN STANDING POSITION IN YOUNG SUBJECTS WITH DOWN SYNDROME AFTER A DANCE TRAINING PROGRAMME.
Hulsdonker, T. et al [Germany]

PP-PM09-8
COOLING OUT THE GLOVES: EFFECTS OF SPORTS CLOTHING ON HAND AND ARM CIRCULATION
Bilbao, F. et al [Canada]

PP-PM09-9
INTERACTION OF CENTRAL AND PERIPHERAL FACTORS DURING REPEATED SPRINTS AT DIFFERENT LEVELS OF ARTERIAL SATURATION
Billaut, F. et al [Canada]

PP-PM09-10
EFFECTS OF TWO ENDURANCE TRAINING METHODS ON PHOSPHOCREATINE KINETICS IN CHILDREN.
Slopianka, M. et al [Germany]

PP-PM09-11
EFFECT OF TWO ENDURANCE TRAINING METHODS ON PHOSPHOCREATINE KINETICS IN CHILDREN.
Slopianka, M. et al [Germany]

PP-PM09-12
EFFECTS OF SHUFFLE DANCE ON CIRCULATORY FUNCTION.
Bilbao, F. et al [Canada]

PP-PM09-13
EFFECTS OF A PHYSICAL EXERCISE PROGRAM IN THE FUNCTIONAL FITNESS AND BODY COMPOSITION OF AN ELDERLY POPULATION
Martins, A. et al [Portugal]

PP-PM09-14
EFFECTS OF AN ENDURANCE TRAINING PROGRAM ON PHYSICAL ACTIVITY OF ELDERLY WOMEN.
Araujo, P. et al [Spain]

PP-PM09-15
EFFECTS OF A PHYSICAL EXERCISE PROGRAM IN THE FUNCTIONAL FITNESS AND BODY COMPOSITION OF AN ELDERLY POPULATION
Martins, A. et al [Portugal]

PP-PM09-16
EFFECTS OF A PHYSICAL EXERCISE PROGRAM IN THE FUNCTIONAL FITNESS AND BODY COMPOSITION OF AN ELDERLY POPULATION
Martins, A. et al [Portugal]
**Mini Oral Sessions**

**Penalty Throw**

**PP-BN03-10**

DETERMINATION OF THE FRICTION COEFFICIENT OF CROSS COUNTRY SKIS ON A NOVEL LINEAR TRIBOMETER

Hader, M. et al. [Austria]

**PP-BN03-12**

BALL-FOOT INTERACTION IN IMPACT PHASE OF KNUCKLE SHOT

Hong, S. et al. [Japan]

**PP-BN03-16**

BIOMECHANICAL PARAMETERS OF vertical JUMPS IN VOLLEYBALL AND BEACH VOLLEYBALL PLAYERS: COMPARATIVE ANALYSIS

Michalski, R. et al. [Poland]

**PP-BN03-21**

BETWEEN DECEPTION AND VARIABILITY: A PRINCIPAL COMPONENT ANALYSIS ON BASKETBALL PASSING

Peng, S.E. et al. [Taiwan]

**PP-BN06-2**

THE LUMBAR SPINE HAS AN INTRINSIC SHAPE THAT IS MAINTAINED THROUGHOUT FLEXION AND EXTENSION

Pavlou, A.V. et al. [United Kingdom]

**PP-BN06-3**

START-UP TIME AND GAIT SPEED OF OLDER AIDUS DURING LOADED WALKING

Kong, P. et al. [Singapore]

**PP-BN06-4**

EFFECTS OF STABILITY DEMAND ON THE POSTURAL CONTROL OF CHRONIC LOW BACK PAIN PATIENTS

Garcia-Gil, M. et al. [Spain]

**PP-BN06-5**

GAIT ANALYSIS BASED ON A SINGLE INERTIAL SENSOR: RELIABILITY OF GAIT PARAMETERS

Hannacher, D. et al. [Germany]

**PP-BN06-6**

JOINT COUPLING IN GAIT WITH ACTIVE SUPERFICIAL OR PROXIMAL歐 OF THE HINDFOOT

Vanek, L. et al. [Czech Republic]

**PP-BN06-7**

HOW DO NORMAL PEOPLE WALK: INVESTIGATING NORMAL GAIT USING A FORCED APPLIED TREADMILL ON FLAT SURFACES

Jessel, A. et al. [United Kingdom]

**PP-BN06-8**

THE INFLUENCE OF GAIT VELOCITY, GENERATION AND AGE ON PLANTAR PRESSURE OF SENIORS UNDER DIFFERENT CONDITIONS

Wallenius, B. et al. [Germany]

**PP-BN06-9**

DIFFERENCES OF STRIDE CHARACTERISTICS IN BAREFOOT VERSUS SHOED SPRINTING AND ITS RELATIONSHIP WITH REACTIVE LEG STRENGTH IN CHILDREN

Hosegawa, H. et al. [Japan]

**PP-BN06-10**

SUBJECTIVE MONITORING TOOL FOR LOWER LUMB COMFORT AMONG HABITUAL SHOE RUNNERS DURING A MINIMALIST SHOE TRANSITION PROGRAMME

Venter, R.E. et al. [South Africa]

**PP-BN06-11**

THE EFFECT ON BARFOOT STANDING BALANCE TEST OF WEARING MBT AFTER 8 WEEKS TRAINING

Ying Fang, L. et al. [Taiwan]

**PP-BN06-12**

EVALUATION OF RISK FACTORS FOR ACL INJURY IN HIGH LEVEL MALE FOOTBALL PLAYERS

Ferrer-Roca, V. et al. [Spain]

**PP-BN06-13**

THE DECISION MAKING COSTS: EFFECTS IN THE HEART RATE

Fernando, C. et al. [Portugal]

**PP-BN06-14**

EXPLORING THE CONSTRAINTS-LED TABLE TENNIS TRAINING PROGRAM

Chuang, K.L. et al. [Taiwan]

**PP-BN06-15**

PROFILE OF TRAINING HABITS OF WORLD CLASS PROFESSIONAL SURFERS

Moreira, M. et al. [Portugal]

**PP-BN06-16**

RELATIONSHIP BETWEEN BODY MASS INDEX AND PHYSICAL FITNESS IN YOUNG SWIMMERS

Kostoulas, I. et al. [Greece]

**PP-BN06-17**

EVALUATION OF EXERCISE PROGRAM: HIGH INTERVAL AEROBIC TRAINING COMBINED WITH SMALL SIDED GAMES

Rodríguez-Fernández, A. et al. [Spain]

**PP-BN06-18**

EVALUATING THE REBOUND VELOCITY OF SQUASH RACQUETS

Sheehy, G. et al. [Ireland]

**PP-BN06-19**

THE DIAGNOSIS IN COMBAT SPORTS - THE IDENTIFICATION OF THE BODY WEIGHT PLACEMENT IN AN EXPERIMENTAL SITUATION

Polis, L. et al. [Indonesia]

**PP-BN06-20**

MONITORING THE EFFECT OF METHODOLOGICAL AND DIDACTICAL ACTION ON IMPROVING THE BACKSTROKE SWIMMING TECHNIQUE AT STUDENTS

Kostoulas, I. et al. [Greece]

**PP-BN06-21**

MONITORING THE EFFECT OF METHODOLOGICAL AND DIDACTICAL ACTION ON IMPROVING THE BACKSTROKE SWIMMING TECHNIQUE AT STUDENTS

Götz, J.K. et al. [Germany]

**PP-BN06-22**

RELATIONSHIP BETWEEN BODY MASS INDEX AND PHYSICAL FITNESS IN YOUNG SWIMMERS

Kostoulas, I. et al. [Greece]

**PP-BN06-23**

RUNNING ECONOMY AND LEG ANTHROPOMETRY OF ELITE KENYAN MIDDLE- AND LONG-DISTANCE RUNNERS

Moises, M. et al. [Bosnia and Herzegovina]

**PP-BN06-24**

EFFECTS OF STABILITY DEMAND ON THE POSTURAL CONTROL OF CHRONIC LOW BACK PAIN PATIENTS

Garcia-Gil, M. et al. [Spain]

**PP-BN06-25**

THE DECISION MAKING COSTS: EFFECTS IN THE HEART RATE

Fernando, C. et al. [Portugal]

**PP-BN06-26**

EXPLORING THE CONSTRAINTS-LED TABLE TENNIS TRAINING PROGRAM

Chuang, K.L. et al. [Taiwan]

**PP-BN06-27**

PROFILE OF TRAINING HABITS OF WORLD CLASS PROFESSIONAL SURFERS

Moreira, M. et al. [Portugal]

**PP-BN06-28**

EVALUATING THE REBOUND VELOCITY OF SQUASH RACQUETS

Sheehy, G. et al. [Ireland]

**PP-BN06-29**

THE DIAGNOSIS IN COMBAT SPORTS - THE IDENTIFICATION OF THE BODY WEIGHT PLACEMENT IN AN EXPERIMENTAL SITUATION

Polis, L. et al. [Indonesia]

**PP-BN06-30**

MONITORING THE EFFECT OF METHODOLOGICAL AND DIDACTICAL ACTION ON IMPROVING THE BACKSTROKE SWIMMING TECHNIQUE AT STUDENTS

Kostoulas, I. et al. [Greece]
### Friday, June 28th, 2013  
**14:00 - 15:00**

#### Mini Oral Papers

<table>
<thead>
<tr>
<th>Paper ID</th>
<th>Title</th>
<th>Authors</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>PP-SH09-1</td>
<td>Comparing Organizational Interventions to Enhance Performance in Elite Sport</td>
<td>Wagstaff, C.R.D. et al</td>
<td>United Kingdom</td>
</tr>
<tr>
<td>PP-SH09-2</td>
<td>Relationship of Sport Participation and Self-Perceived Academic Competence</td>
<td>Tepel, T et al</td>
<td>Serbia</td>
</tr>
<tr>
<td>PP-SH09-3</td>
<td>Understanding Inspiration in Sport: Athletes' Perceptions</td>
<td>Dodds, S et al</td>
<td>United Kingdom</td>
</tr>
<tr>
<td>PP-SH09-4</td>
<td>Internal Tasks Hidden in Athletic Performance Problems in College Athletes, Analyzed by the Landcape Montage Technique</td>
<td>Kubo, K et al</td>
<td>Japan</td>
</tr>
<tr>
<td>PP-SH09-5</td>
<td>Athletics Justice Perceptions of Coaches' Leadership: Antecedents and Consequences</td>
<td>Huang, L.W. et al</td>
<td>Taiwan</td>
</tr>
<tr>
<td>PP-SH09-6</td>
<td>Student-Athletes' Time Commitment to Athletics and Academics: An Exploratory Study in Taiwan</td>
<td>Yang, C.H. et al</td>
<td>Taiwan</td>
</tr>
<tr>
<td>PP-SH09-7</td>
<td>Developing and Maintaining Purpose in Young Athletes</td>
<td>Jones, M.I. et al</td>
<td>United Kingdom</td>
</tr>
<tr>
<td>PP-SH09-8</td>
<td>A Study of Life Skills Acquisition for University Athletes</td>
<td>Hatta, N. et al</td>
<td>Japan</td>
</tr>
<tr>
<td>PP-SH09-9</td>
<td>Psychological Preparation of Brazilian Gymnasts Participating in Olympic Games</td>
<td>Schavon, L et al</td>
<td>Brazil</td>
</tr>
<tr>
<td>PP-SH09-10</td>
<td>Rhythmic Gymnastics' Reflections on Coping and Social Support Following a Mistake at an Olympic Games: The Immediate and Long-Term Aftermath</td>
<td>Magnisali, V et al</td>
<td>United Kingdom</td>
</tr>
<tr>
<td>PP-SH09-11</td>
<td>Examining the Development Environments of Elite Youth Soccer Academies in England: The Players' Perspective</td>
<td>Mills, A et al</td>
<td>United Kingdom</td>
</tr>
<tr>
<td>PP-SH09-12</td>
<td>Development of a 'Performance Transition' Programme for Olympic and Paralympic Athletes to Support Games Readiness and Recovery</td>
<td>Moore, P et al</td>
<td>Ireland</td>
</tr>
<tr>
<td>PP-SH13</td>
<td>Psychology [PS] 6: Lecture Room: Sala Professorat 1 Chair(s): Memmert, D. [Germany]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PP-SH13-1</td>
<td>Effects of Progressive Fatigue and Expertise on Self-Talk Content in Running: An Ambulatory Assessment Approach</td>
<td>Neuwenhuis, A. et al</td>
<td>Netherlands</td>
</tr>
<tr>
<td>PP-SH13-2</td>
<td>Exercise-Induced Fatigue Changes the Width and Direction of Attention Focus</td>
<td>Aragonés, D et al</td>
<td>Spain</td>
</tr>
<tr>
<td>PP-SH13-3</td>
<td>Meta-Stable Spatio-Temporal Dynamics of Topologically Defined Areas of Perceived Discomfort During Cycling and Running Until Volitional Exhaustion</td>
<td>Saapinskaite, A. et al</td>
<td>Lithuania</td>
</tr>
<tr>
<td>PP-SH13-4</td>
<td>The Fluctuating Dynamics of the Rating of Perceived Exertion Changes with Exercise Intensity</td>
<td>Aragonés, D et al</td>
<td>Spain</td>
</tr>
<tr>
<td>PP-SH13-5</td>
<td>Cardiorespiratory Fitness is Associated with Cognitive Flexibility in Preadolescent Children</td>
<td>Kamijo, K et al</td>
<td>Japan</td>
</tr>
<tr>
<td>PP-SH13-6</td>
<td>Do You Believe Your Eyes the Impact of Visual Illusions on Quiet Eye, Kinematics</td>
<td>Vine, S et al</td>
<td>United Kingdom</td>
</tr>
<tr>
<td>PP-SH13-8</td>
<td>Keep Your Eye on the Ball?</td>
<td>Exercising the Importance of Quiet Eye Location</td>
<td>Vinc, S et al</td>
</tr>
<tr>
<td>PP-SH13-9</td>
<td>Eye Tracking Investigation of Elite Golfers in Field Situations</td>
<td>Fourrier, J. et al</td>
<td>France</td>
</tr>
<tr>
<td>PP-SH13-10</td>
<td>When Threat Due to Physical Engagement Improves Out-group Attitudes: The Importance of the Context in Inter-group Relations</td>
<td>Fall, M. et al</td>
<td>France</td>
</tr>
<tr>
<td>PP-SH13-11</td>
<td>The Effect of Physical Exercise in Hypoxia Condition Improves Reaction Time</td>
<td>Lemos, V.A. et al</td>
<td>Brazil</td>
</tr>
<tr>
<td>PP-SH21</td>
<td>Sport Management [SP] 2: Lecture Room: Sala Professorat 2 Chair(s): Moine, A et al</td>
<td>Norway</td>
<td></td>
</tr>
<tr>
<td>PP-SH21-1</td>
<td>State Economic Regulation of Sports in Russia</td>
<td>Beskrivnova, V et al</td>
<td>Russia</td>
</tr>
<tr>
<td>PP-SH21-3</td>
<td>How Does Advertising Through Sport Work? Evidence from Montenegro</td>
<td>Popovic, S et al</td>
<td>Montenegro</td>
</tr>
<tr>
<td>PP-SH21-4</td>
<td>Profile of Ski Resorts Consumers: A Customer Satisfaction Approach</td>
<td>Miragalis, D et al</td>
<td>Portugal</td>
</tr>
<tr>
<td>PP-SH21-5</td>
<td>Unifying Sport Science within High Performance Sport: Reflections on Best Practice from Canada, Australia New Zealand and Qatar</td>
<td>Patrick, T et al</td>
<td>Qatar</td>
</tr>
<tr>
<td>PP-SH21-8</td>
<td>Sport as a Foundation for the Concept of Regional Development: A Case Study from the Czech Republic</td>
<td>Schwarzefolova, E et al</td>
<td>Czech Republic</td>
</tr>
<tr>
<td>PP-SH21-9</td>
<td>The Revenue of Sports Clubs in Egypt: A Comparative Study with German Non-Profit Sports Clubs</td>
<td>Zornek, M. et al</td>
<td>Germany</td>
</tr>
<tr>
<td>PP-SH21-10</td>
<td>Eco-Counters. Step-Frequency Analysis for the Design of a Sports-Tourist Path</td>
<td>Ingles, E et al</td>
<td>Spain</td>
</tr>
</tbody>
</table>
Mini Oral Sessions

Friday, June 28th, 2013
5:00 - 6:00

**PP-PM30 Nutrition [NU] 4**

LECTURE ROOM: PAVELLO SINTEC
Chair(s): Kavouras, S. [United States]
Hansen, M. [Denmark]

**PP-PM30-1**
CONTROLLED NUTRITION INTAKE AFTER WORKOUT IMPROVES LEAN BODY MASS AND MUSCULAR STATE OF HIGH SCHOOL HANDBALL PLAYERS IN SUMMER SEASON Komish, K. et al. [Spain]

**PP-PM30-2**
NUTRITIONAL INTAKE, BODY COMPOSITION AND RISK FACTORS FOR DISORDERED EATING IN MALE ATHLETES Schneider, C. et al. [Brazil]

**PP-PM30-3**
EFFECT OF MIXTURE OF BASION PERFORMANCE OF JUDOKISTS Sukhov, S. et al. [Kazakhstan]

**PP-PM30-4**
THE INFLUENCE OF MENSTRUAL STATUS UPON POST EXERCISE HYPOXEMIA IN ENDURANCE ATHLETES Nakamura, M. et al. [Japan]

**PP-PM30-5**
ENDOCRINE RESPONSES DURING DIFFERENT MICROCYCLES IN PROFESSIONAL BASKETBALL PLAYERS: A FOUR-YEARS FOLLOW UP STUDY Schelling, X. et al. [Spain]

**PP-PM30-6**
THE INFLUENCE OF CHANGING LIFESTYLE IN OBESITY: ‘WEIGHT LOSS CHALLENGE’ APPROACH Andjelkovic, M. et al. [Serbia]

**PP-PM30-7**
THE NUTRITIONAL SITUATION OF VICTIMS OF THE NORTH-EASTERN JAPAN EARTHQUAKE Sugura, K. et al. [Japan]

**PP-PM30-8**
THE IMPACT OF PARACETAMOL ON THERMOREGULATORY RESPONSES DURING EXERCISE Vehmeier, M.T.V. et al. [Netherlands]

**PP-PM30-9**
INFLUENCE OF PASSIVE HYPERTHERMIA ON ARM CHANGING ENDURANCE CAPACITY AND SKELETAL MUSCLE FATIGUE Konig, H. et al. [Japan]

**PP-PM30-10**
DO I TRAIN TO LOSE BODY WEIGHT IF I AM ALREADY FOLLOWING A DIET? Rojo-Tirado, M.A. et al. [Spain]

**PP-PM30-11**
CYTOKINE RELEASE FOLLOWING CONTINUOUS AND INTERVAL EXERCISE OF CONTRASTING VOLUME Cullen, T. et al. [United Kingdom]

**PP-PM42-1**
THE INFLUENCE OF CHANGING LIFESTYLE IN OBESITY: ‘WEIGHT LOSS CHALLENGE’ APPROACH Andjelkovic, M. et al. [Serbia]

**PP-PM42-2**
THE EFFECT OF EXTREME ENVIRONMENTAL CONDITIONS ON THE DECISION MAKING PERFORMANCE OF ON FIELD REFEREES AND GOAL LINE OFFICIALS Watkins, S. et al. [United Kingdom]

**PP-PM42-3**
THE EFFECT OF TIME OF DAY ON REPEATED SPRINT ABILITY (RSA) ON A NON-MOTORISED TREADMILL Pullinger, S.A. et al. [United Kingdom]

**PP-PM42-4**
THE IMPACT OF PARACETAMOL ON THERMOREGULATORY RESPONSES DURING EXERCISE Vehmeier, M.T.V. et al. [Netherlands]

**PP-PM42-5**
THE EFFECT OF IMPROVED EVAPORATIVE PROPERTIES OF FABRICS ON THE THERMOREGULATORY RESPONSES OF WARRIORS Born, D.P. et al. [Germany]

**PP-PM42-6**
EFFECTS OF ACUTE EXERCISE ON CYTOKINE AND IMMUNO-ENDOCRINE RESPONSES IN DIFFERENT AMBIENT TEMPERATURES Gagnon, D.D. et al. [Finland]

**PP-PM42-7**
EFFECTS OF TIME OF DAY ON REPEATED SPRINT ABILITY (RSA) ON A NON-MOTORISED TREADMILL Pullinger, S.A. et al. [United Kingdom]

**PP-PM42-8**
EFFECTS OF A HOT AND HUMID ENVIRONMENT ON DRUMMING PERFORMANCE – A CASE STUDY Smith, M. et al. [United Kingdom]

**PP-PM42-9**
EFFECTS OF TIME OF DAY ON REPEATED SPRINT ABILITY (RSA) ON A NON-MOTORISED TREADMILL Pullinger, S.A. et al. [United Kingdom]

**PP-PM42-10**
THE IMPACT OF PARACETAMOL ON THERMOREGULATORY RESPONSES DURING EXERCISE Vehmeier, M.T.V. et al. [Netherlands]

**PP-PM42-11**
THE IMPACT OF PARACETAMOL ON THERMOREGULATORY RESPONSES DURING EXERCISE Vehmeier, M.T.V. et al. [Netherlands]

**PP-PM42-12**
EVALUATION OF THE MUSCLE ARCHITECTURE OF THE RAT GASTROCNEMIUS MUSCLE AFTER AEROBIC TRAINING André, A. et al. [Portugal]

**PP-PM42-13**
THE EFFECT OF IMPROVED EVAPORATIVE PROPERTIES OF FABRICS ON THE THERMOREGULATORY RESPONSES OF WARRIORS Born, D.P. et al. [Germany]

**PP-PM42-14**
THE IMPACT OF PARACETAMOL ON THERMOREGULATORY RESPONSES DURING EXERCISE Vehmeier, M.T.V. et al. [Netherlands]

**PP-PM42-15**
THE IMPACT OF PARACETAMOL ON THERMOREGULATORY RESPONSES DURING EXERCISE Vehmeier, M.T.V. et al. [Netherlands]
**PP-PM25 Neuromuscular Physiology [PH] 3**

**LECTURE ROOM: AULA 4**

Chair(s):
- Place, N. [Switzerland]
- Cronin, N. [Finland]

**PP-PM25-1**
- THE USE OF RIF INFRARED EMITTEN FABRIC IN BETTER NEUROMUSCULAR PERFORMANCE
  - Source, T.M. et al [Brazil]

**PP-PM25-2**
- ACHILLES TENDON LENGTH EVALUATED BY A TWO-DIMENSIONAL CURVED LINE MODEL IS ERRONEOUS. USEFULNESS OF A THREE-DIMENSIONAL CURVED LINE MODEL
  - Fukutani, A. et al [Japan]

**PP-PM25-3**
- CHANGES OF H-REFLEX DURING THE MENSTRUAL CYCLE PHASE
  - Murabio, M. et al [Japan]

**PP-PM25-4**
- RESTING PERIODS OF 3-MIN ARE TOO LONG TO INDUCE A DECREASEMENT OF THE THRESHOLD FREQUENCY DURING AN INTERMITTENT FATIGUE PROTOCOL
  - Mann, M. et al [Spain]

**PP-PM25-5**
- CORRELATION BETWEEN HAND GRIP STRENGTH AND PARKINSON DISEASE RELATED DISABILITY AND IMPAIRMENT
  - Silva, M. et al [Brazil]

**PP-PM25-6**
- MUSCULAR POWER IS NOT EFFECT DOING MENSTRUAL CYCLE PHASES
  - Massacini, N. [Brazil]

**PP-PM25-7**
- INFLUENCE OF AGING ON FOOT GRIP FORCE
  - Yamauchi, J. [Japan]

**PP-PM25-8**
- SEX DIFFERENCES IN MUSCULAR AND NEUROMUSCULAR FUNCTION FOLLOWING A DOWNHILL RUNNING TASK
  - De la Croix, M. et al [United Kingdom]

**PP-PM25-9**
- SEX-RELATED CHANGES IN FORCE AND MUSCULOTENDINOUS ARCHITECTURE FOLLOWING PASSIVE STRETCH
  - Simpson, C.L. et al [Canada]

**PP-PM25-10**
- THE INFLUENCE OF AGE AND MATURATION ON RELATIVE LEG STIFFNESS IN FEMALE YOUTH SOCCER PLAYERS
  - De la Croix, M. et al [United Kingdom]

**PP-PM25-11**
- POST ACTIVATION POTENTIATION OF THE PLANAR RFLXORS AT DIFFERENT KNEE ANGLES
  - Bidoni, M.M. et al [Sweden]

**PP-PM25-12**
- FACTORS INFLUENCING MAXIMUM R0M AT THE ANKLE: ONE DIFFERENT RESULTS FROM CROSS-SECTIONAL VS. LONGITUDINAL STUDIES
  - Blazevich, A.J. et al [Australia]

**PP-PM25-13**
- THE TRUNK MUSCLE STRENGTH AND MUSCLE VOLUME OF BALLET DANCERS
  - Kuroiwa, M. et al [Japan]

**PP-PM25-14**
- IDENTIFICATION OF MULTI-DIRECTIONAL POSTURAL CONTROL IN HUMANS
  - Azusa, K. et al [Japan]

**PP-PM70 Training and Testing [TT] 5**

**LECTURE ROOM: AULA 5**

Chair(s):
- Arellano, R. [Spain]
- Bailey, S. [United Kingdom]

**PP-PM70-1**
- GRADING TECHNICAL DEMANDS DURING BATTLEZONE, TRADITIONAL CRICKET TRAINING AND ONE DAY CRICKET MATCHES
  - Vickery, W. et al [Australia]

**PP-PM70-2**
- A COMPARISON OF THE PHYSIOLOGICAL, PHYSICAL AND TECHNICAL DEMANDS DURING BATTLEZONE, TRADITIONAL CRICKET TRAINING AND ONE-DAY CRICKET MATCHES
  - Hsu, T-Y. et al [Taiwan]

**PP-PM70-3**
- A COMPARISON OF THE PHYSIOLOGICAL, PHYSICAL AND TECHNICAL DEMANDS DURING BATTLEZONE, TRADITIONAL CRICKET TRAINING AND ONE-DAY CRICKET MATCHES
  - Vickery, W. et al [Australia]

**PP-PM70-4**
- BIOPHYSICAL EVALUATION OF A YOUNG SWimmer ALONG A TRAINING MACROCYCLE
  - Fernandes, R.J. et al [Portugal]

**PP-PM70-5**
- COMPARISON ON ENERGY EXPENDITURE, HEART RATE, AND RATING OF PERCEIVED EXERTION ACCORDING TO VARIOUS BEGINNING SET POINTS OF TARGET EXERCISE INTENSITY WHILE EXERCISING
  - Lee, H. et al [Korea, South]

**PP-PM70-6**
- MUSCULAR POWER IS NOT EFFECT DOING MENSTRUAL CYCLE PHASES
  - Mascarin, N. [Brazil]

**PP-PM70-7**
- TRAINING IN THE FASTED STATE DOES NOT IMPROVE PERFORMANCE OR FAT OXIDATION IN MILD LEVEL ATHLETES COMPARED TO TRAINING IN THE FED STATE, BUT INCREASES VO2MAX
  - Charlot, K. et al [France]

**PP-PM70-8**
- THE RELATIVE AGE EFFECT AND THE INFLUENCE OF THE LEVEL OF PERFORMANCE OF PHYSICAL MOTOR SKILLS ON IT IN ALPINE SKIING
  - Lee, H. et al [South Korea]

**PP-PM70-9**
- THE INFLUENCE OF AGE ON FOOT GRIP FORCE
  - Yamauchi, J. [Japan]

**PP-PM70-10**
- THE RELATIVE AGE EFFECT AND THE INFLUENCE OF THE LEVEL OF PERFORMANCE OF PHYSICAL MOTOR SKILLS ON IT IN ALPINE SKIING
  - Müller, L. et al [Austria]

**PP-PM70-11**
- THE INFLUENCE OF AGE AND MATURATION ON RELATIVE LEG STIFFNESS IN FEMALE YOUTH SOCCER PLAYERS
  - De la Croix, M. et al [United Kingdom]

**PP-PM70-12**
- POST ACTIVATION POTENTIATION OF THE PLANAR RFLXORS AT DIFFERENT KNEE ANGLES
  - Bidoni, M.M. et al [Sweden]

**PP-PM70-13**
- THE INFLUENCE OF AGE AND MATURATION ON RELATIVE LEG STIFFNESS IN FEMALE YOUTH SOCCER PLAYERS
  - De la Croix, M. et al [United Kingdom]

**PP-PM70-14**
- THE RELATIVE AGE EFFECT AND THE INFLUENCE OF THE LEVEL OF PERFORMANCE OF PHYSICAL MOTOR SKILLS ON IT IN ALPINE SKIING
  - Müller, L. et al [Austria]
Mini Oral Sessions

PP-PM82-7
RESISTED SPRINT EFFECTS OF THREE DIFFERENT LOADS ACCOUNTING FOR 5%, 2.5% AND 20% OF BODY MASS ON ACCELERATION, VERTICAL JUMP, LOADED VERTICAL JUMP, AND HORIZONTAL SQUAT.
Bachero-Mena, B. et al [Spain]

PP-PM82-8
RELATIONSHIP BETWEEN SPORTS INJURY AND LONGING STEP PATTERN IN MALE LONG-DISTANCE RUNNERS
Takanaka, T. et al [Japan]

PP-PM82-9
HEART RATE AND GRADIED MAXIMAL TEST VALUES TO DETERMINE POSITIONAL, RUGBY UNION GAME INTENSITIES OF ADOLESCENT BOYS
Williamson, F. et al [South Africa]

PP-PM82-10
THE COMPARISON OF ARM-LEG AND AGILITY PERFORMANCES OF YOUNG ELITE WRESTLERS WITH ELITE SOCCER PLAYERS
Memis, M. et al [Turkey]

PP-PM85 Training and Testing [TT] 20

LECTURE ROOM: AULAS PSL [PSL]
Chair(s):
Guirard, O. [Qatar]
Blazevich, A. [Australia]

PP-PB01-1
ANTHROPOMETRIC CHARACTERISTICS OF ELITE MONOFIN SWIMMERS: A FIRST APPROACH
Tampa, K. et al [Spain]

PP-PB02-2
PERFORMANCE AND PHYSIOLOGICAL CHANGES AFTER COMBINED RESISTED SPRINT TRAINING AND SODIUM BICARBONATE SUPPLEMENTATION
Verheul, M.C. et al [Australia]

PP-PB05-3
RECOVERY KINETICS DURING A 3-DAY FLOORBALL TOURNAMENT
Does, H.T.D. et al [Netherlands]

PP-PB05-4
THE EVALUATION OF BLOOD LACTATE RECOVERY PROCESS USING AN EXPONENTIAL REGRESSION MODEL
Tsunoda, K. et al [Japan]

PP-PB05-5
TIME-COURSE ALTERATIONS IN PHYSIOLOGICAL AND BIOCHEMICAL PARAMETERS DURING 2 WEEKS OF HIGH ALTITUDE TRAINING IN CROSS-COUNTRY SKIERS
Kato, H. et al [Japan]

PP-PB05-6
RECOVERY FROM REPEATED ON-COURT TENNIS SESSIONS: COMBINING COLD WATER IMMERSSION, COMPRESSION AND SLEEP HYGIENE INTERVENTIONS
Duffield, R. et al [Australia]

PP-PB05-7
THE EFFECTS OF DIFFERENT TRAINING INTENSITIES ON PHYSIOLOGICAL RESPONSES WHEN TRAINING DURATION IS INDIVIDUALIZED
Coslasy, S.L. et al [United Kingdom]

PP-PB05-8
STRENGTH OR ENDURANCE FIRST?: EFFECTS OF COMBINED SESSIONS ON ECONOMY AND BIOMECHANICS OF RUNNING
Tapalas, A.S. et al [Finland]

PP-PB05-9
DIFFERENCES ON VERTICAL JUMPING, SPINNING VELOCITY AND RSA AMONG ELITE SENIOR AND TEEN BASKETBALL PLAYERS
Belaloro-Fernández, C. et al [Spain]

PP-PB05-10
PHYSIOLOGICAL RESPONSES IN REFERENCE TO SURFACE AND IMMERSION IN FIN SWIMMING: A PILOT STUDY
Lampadati, V. et al [Greece]

PP-BN07-1
THE ANALYSIS OF MUSCLE ACTIVITY PATTERN IN PEDALING MOTION AT THE SUBJECTIVELY APPRECIATED SADDLE HEIGHT OF A SKILLED CYCLIST
Tokuyasu, T. et al [Japan]

PP-BN07-4
THE INFLUENCE OF HILLS FORCE RELATION ON MUSCLE STRESS DURING EXERCISES WITH CONSTANT LOAD AND VELOCITY
Nart, A. et al [Italy]

PP-BN07-5
THE COMPARISON OF ARM-LEG AND AGILITY PERFORMANCES OF YOUNG ELITE WRESTLERS WITH ELITE SOCCER PLAYERS
Memis, M. et al [Turkey]

PP-BN07-7
INDIVIDUALS WITH CURVY OR STRAIGHT LUMBAR SPINES EXHIBIT DIFFERENT MOTION PATTERNS WHEN LIFTING A BOX
Pavlova, A.V. et al [United Kingdom]

PP-BN07 Biomechanics [BM] 7

LECTURE ROOM: AULAS PSL [PSL]
Chair(s):
González-Muniesa, P. [Spain]
Taubie, W. [Switzerland]

PP-BN07-1
KINETICS OF ATHLETES CENTER OF MASS IN SPRINTING AT VARIOUS FOOT ADDUCTION IN FIRST FOOT STROKE
Nemethy, G. et al [Russia]

PP-BN07-10
NEURAL AND MECHANICAL ADAPTATIONS OF RHOMYMIC MULTIJOINT COORDINATION DUE TO EXTERNAL INTERACTION TORQUE
Stosic, J. [Australia]

PP-BN07-11
3D PATH OF THE BODY CENTRE OF MASS AND PROLIFIC MUSCLE LENGTH CHANGE WHEN PEDALING
Recuement vs. Upright Bicycle
Teili, R. et al [Italy]

PP-BN12 Coaching [CO] 3

LECTURE ROOM: AULAS PSL [PSL]
Chair(s):
Martínez Alvarez, L. [Spain]

PP-SH05 Physical Education and Pedagogics [PP] 3

LECTURE ROOM: AULAS PSL [PSL]
Chair(s):
My Confession: Narrative of a Tennis Coach
Kim, J. [Korea, South]

PP-SH05-1
MENTORING CONVERSATIONS IN PHYSICAL EDUCATION—CONTENT AND PROCESSES IN FIELD WORK IN INITIAL TEACHER EDUCATION
Næsheim-Bjørkvik, G. et al [Norway]

PP-SH05-2
MINIMAL GUIDANCE LEARNING FOR PHYSICAL EDUCATION IN A SCOTTISH SECONDARY SCHOOL
Roquet, K. et al [Germany]

PP-SH05-3
CORRELATES OF PHYSICAL ACTIVITY IN PRESCHOOL CHILDREN
Elliott, J. et al [United Kingdom]

PP-SH05-4
THE IMPLEMENTATION OF PROBLEM BASED LEARNING STYLES TO TEACH THE COACH-ATHLETE RELATIONSHIPS TO UNDERGRADUATE SPORT AND EXERCISE SCIENCE STUDENTS
Rossato, C.J.L. [United Kingdom]

PP-SH05-5
ANALYSIS ABOUT THE CONCEPTUAL RELATION BETWEEN SPORT AND GYMNASTICS ROAL.
Toledo, E. et al [Brazil]

PP-SH05-6
TAXONOMIC AND COMPARATIVE STUDY OF MOTOR PLAY: HOMO LUDENS AND TRANSCULTURATIY
Barnola, J. et al [Spain]

PP-SH05-7
SPORTS TEACHING AND LEARNING IN THE CONTEXT OF SCHOOL SPIRITUALITY
Pereira, C. et al [Portugal]

PP-SH05-8
MENTORING CONVERSATIONS IN PHYSICAL EDUCATION—CONTENT AND PROCESSES IN FIELD WORK IN INITIAL TEACHER EDUCATION
Næsheim-Bjørkvik, G. et al [Norway]

PP-SH05-9
THE ANALYSIS OF MUSCLE ACTIVITY PATTERN IN PEDALING MOTION AT THE SUBJECTIVELY APPRECIATED SADDLE HEIGHT OF A SKILLED CYCLIST
Tokuyasu, T. et al [Japan]

PP-SH05-10
RESISTED SPRINT EFFECTS OF THREE DIFFERENT LOADS ACCOUNTING FOR 5%, 2.5% AND 20% OF BODY MASS ON ACCELERATION, VERTICAL JUMP, LOADED VERTICAL JUMP, AND HORIZONTAL SQUAT.
Bachero-Mena, B. et al [Spain]

PP-SH05-11
RELATIONSHIP BETWEEN SPORTS INJURY AND LONGING STEP PATTERN IN MALE LONG-DISTANCE RUNNERS
Takanaka, T. et al [Japan]

PP-SH05-12
HEART RATE AND GRADIED MAXIMAL TEST VALUES TO DETERMINE POSITIONAL, RUGBY UNION GAME INTENSITIES OF ADOLESCENT BOYS
Williamson, F. et al [South Africa]

PP-SH05-13
THE COMPARISON OF ARM-LEG AND AGILITY PERFORMANCES OF YOUNG ELITE WRESTLERS WITH ELITE SOCCER PLAYERS
Memis, M. et al [Turkey]

PP-SH05-14
ANTHROPOMETRIC CHARACTERISTICS OF ELITE MONOFIN SWIMMERS: A FIRST APPROACH
Tampa, K. et al [Spain]

PP-SH05-15
PERFORMANCE AND PHYSIOLOGICAL CHANGES AFTER COMBINED RESISTED SPRINT TRAINING AND SODIUM BICARBONATE SUPPLEMENTATION
Verheul, M.C. et al [Australia]

PP-SH05-16
RECOVERY KINETICS DURING A 3-DAY FLOORBALL TOURNAMENT
Does, H.T.D. et al [Netherlands]

PP-SH05-17
THE EVALUATION OF BLOOD LACTATE RECOVERY PROCESS USING AN EXPONENTIAL REGRESSION MODEL
Tsunoda, K. et al [Japan]

PP-SH05-18
TIME-COURSE ALTERATIONS IN PHYSIOLOGICAL AND BIOCHEMICAL PARAMETERS DURING 2 WEEKS OF HIGH ALTITUDE TRAINING IN CROSS-COUNTRY SKIERS
Kato, H. et al [Japan]

PP-SH05-19
RECOVERY FROM REPEATED ON-COURT TENNIS SESSIONS: COMBINING COLD WATER IMMERSSION, COMPRESSION AND SLEEP HYGIENE INTERVENTIONS
Duffield, R. et al [Australia]

PP-SH05-20
THE EFFECTS OF DIFFERENT TRAINING INTENSITIES ON PHYSIOLOGICAL RESPONSES WHEN TRAINING DURATION IS INDIVIDUALIZED
Coslasy, S.L. et al [United Kingdom]

PP-SH05-21
STRENGTH OR ENDURANCE FIRST?: EFFECTS OF COMBINED SESSIONS ON ECONOMY AND BIOMECHANICS OF RUNNING
Tapalas, A.S. et al [Finland]

PP-SH05-22
DIFFERENCES ON VERTICAL JUMPING, SPINNING VELOCITY AND RSA AMONG ELITE SENIOR AND TEEN BASKETBALL PLAYERS
Belaloro-Fernández, C. et al [Spain]

PP-SH05-23
PHYSIOLOGICAL RESPONSES IN REFERENCE TO SURFACE AND IMMERSION IN FIN SWIMMING: A PILOT STUDY
Lampadati, V. et al [Greece]

PP-SH05-24
THE ANALYSIS OF MUSCLE ACTIVITY PATTERN IN PEDALING MOTION AT THE SUBJECTIVELY APPRECIATED SADDLE HEIGHT OF A SKILLED CYCLIST
Tokuyasu, T. et al [Japan]

PP-SH05-25
THE INFLUENCE OF HILLS FORCE RELATION ON MUSCLE STRESS DURING EXERCISES WITH CONSTANT LOAD AND VELOCITY
Nart, A. et al [Italy]

PP-SH05-26
INDIVIDUALS WITH CURVY OR STRAIGHT LUMBAR SPINES EXHIBIT DIFFERENT MOTION PATTERNS WHEN LIFTING A BOX
Pavlova, A.V. et al [United Kingdom]

PP-SH05-27
KINETICS OF ATHLETES CENTER OF MASS IN SPRINTING AT VARIOUS FOOT ADDUCTION IN FIRST FOOT STROKE
Nemethy, G. et al [Russia]

PP-SH05-28
NEURAL AND MECHANICAL ADAPTATIONS OF RHOMYMIC MULTIJOINT COORDINATION DUE TO EXTERNAL INTERACTION TORQUE
Stosic, J. [Australia]

PP-SH05-29
3D PATH OF THE BODY CENTRE OF MASS AND PROLIFIC MUSCLE LENGTH CHANGE WHEN PEDALING
Recuement vs. Upright Bicycle
Teili, R. et al [Italy]
THE ELDERLY
Hamacher, D. et al [Germany]

ZONES ACROSS FOUR DIFFERENT PSYCHOMOTOR TASKS
Thin, A.G. et al [United Kingdom]

STUDENTS OF DECISION BALANCE
Nishida, J. [Japan]

DEVELOPING COACHING PEDAGOGY:
DISCRIMINATION OF DEFEAT AND VICTORY GAME PATTERNS IN HANDBALL
Sá, P. et al [Portugal]

TEACHING MODEL BASED INSTRUCTION
Kim, J. [Korea, South]

THE EFFECT OF PHYSICAL EXERCISE IN HYPOXIA CONDITION IMPROVES MOOD
Lemos, V.A. et al [Brazil]

MINDFULNESS TRAINING AND ATTENTION CONTROL IN ELITE SPORT
Thienot, E. et al [Australia]

SUCCESSFUL TEAMS’ TACTICAL BEHAVIOR WITHOUT BALL IN THE U17 WORLD CUP MEXICO 2011
Fritzler, W. [Mexico]

WORKING MEMORY CAPACITY AND PROPENSITY FOR CONSCIOUS MOTOR PROCESSING IN AN INHIBITION TASK
Cosgrove, A. et al [Hong Kong]

CHARACTERISTICS OF SKI MOTIONS FOR BEGINNERS ON SHORT STAY SKI PROGRAM OF ELEMENTARY SCHOOL
Tatsumi, J. et al [Japan]

RELATIVE AGE EFFECT IN PHYSICAL EDUCATION: BORN TOO LATE TO GET AN A
Aune, T. et al [Norway]

LEVELS OF PHYSICAL ACTIVITY AMONG CHILDREN IN KINDERGARTEN:
Vedeløv, A. et al [Norway]

LEVEL OF PHYSICAL ACTIVITY: MUSCLE DYSMORPHIA AND EATING DISORDERS
González-Martí, I. et al [Spain]

COMPARISON OF PROBLEM SOLVING SKILLS OF STUDENTS STUDYING AT THE SCHOOL OF PHYSICAL EDUCATION AND SPORTS - AND FACULTY OF ARTS AND SCIENCE
Unlü, C. et al [Turkey]

ENACTIVE ACCOUNT OF IN SITU MOBILIZATION: THE CASE OF VOLLEYBALL PLAYERS STRONGLY COMMITTED
Recope, M. et al [France]

THETEMPORAL CHARACTERISTICS OF BASKETBALL OFFENSIVE PERFORMANCE
Chiang, H.Y. et al [Taiwan]

AWARDING PENALTIES IN SOCCER: DOES TEAM SUCCESS INFLUENCE THE REFEREE?
Erlestad, M. et al [Norway]

ENACTIVE ACCOUNT OF IN SITU MOBILIZATION: THE CASE OF VOLLEYBALL PLAYERS STRONGLY COMMITTED
Recupe, M. et al [France]

ARE THE STAGES OF CHANGE FOR SWIMMING & AQUATIC EXERCISE PROGRAMS & CONS QUALITATIVE DISTINCT?: AN ANALYSIS USING A PRECONTEMPLATION STAGE
Courel, J. et al [Spain]

RELATIVE AGE EFFECT IN PHYSICAL EDUCATION: BORN TOO LATE TO GET AN A
Aune, T. et al [Norway]

THE ROLE OF PREVIOUS ACTION IN THE ACCURACY OF THE JUMP SHOT IN MEN AND WOMEN BASKETBALL PLAYERS
Roussanoglou, E. et al [Greece]

THE BADMINTON’S PRACTICE AND ITS EFFECTS ON COGNITIVE SKILLS
Fernandes, P.T. et al [Brazil]

THE EFFECTS OF RULE MODIFICATIONS ON TECHNICAL DEMANDS AND DECISION MAKING IN JUNIOR RUGBY LEAGUE GAMES
O'Connor, D. et al [Australia]

MULTIVARIATE STATISTICAL APPROACHES TO TALENT IDENTIFICATION
Heazlewood, I. [Australia]

THE EFFECT OF RULE MODIFICATIONS ON TECHNICAL DEMANDS AND DECISION MAKING IN JUNIOR RUGBY LEAGUE GAMES
O'Connor, D. et al [Australia]

THE ROLE OF PREVIOUS ACTION IN THE ACCURACY OF THE JUMP SHOT IN MEN AND WOMEN BASKETBALL PLAYERS
Roussanoglou, E. et al [Greece]

EXAMINING THE RELATIONSHIP BETWEEN MUSCLE FATIGUE AND RAIN CATASTROPHIZING IN RUNNERS
Jones, M.I. et al [United Kingdom]

THE EFFECTS OF DIFFERENT TRAINING VOLUME OF RESISTANCE EXERCISE ON COGNITIVE FUNCTIONS IN SEDENTARY YOUNG MEN
Ho, J.Y. et al [Taiwan]

THE EFFECTS OF DIFFERENT TRAINING VOLUME OF RESISTANCE EXERCISE ON COGNITIVE FUNCTIONS IN SEDENTARY YOUNG MEN
Ho, J.Y. et al [Taiwan]

THE RELATIONSHIPS BETWEEN BURNOUT, HEALTH DISORDERS AND PERCEIVED HEALTH IN YOUNG FOOTBALLERS
Castillo, I. et al [Spain]

MUSCLE DYSMORPHIA AND EATING DISORDERS IN MALE TEAM SPORTS PLAYERS
González-Martí, I. et al [Spain]

PASSION MOTIVES IN OFFICiating FOOTBALL: DIFFERENCES BETWEEN NORWEGIAN ELITE AND NON-ELITE REFEREES
Johansen, B.T. et al [Norway]

THE ROLE OF PREVIOUS ACTION IN THE ACCURACY OF THE JUMP SHOT IN MEN AND WOMEN BASKETBALL PLAYERS
Roussanoglou, E. et al [Greece]
<table>
<thead>
<tr>
<th>Session Title</th>
<th>Authors</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mini Oral Sessions</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Saturday, June 29th, 2013</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mini Oral Sessions</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>14:00 - 15:00</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM31 Nutrition [NU]</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LECTURE ROOM: PAVELLÓ SINTÈTIC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chair(s): Hamaoka, T. [Japan]</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM31-1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DIET INFLUENCE UPON BRAIN CREATINE CONTENT A CROSS-SECTIONAL STUDY WITH VEGETARIANS AND OMNIVOROUS SOLIS M.T. et al [Brazil]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM31-2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INFLUENCE OF CALCIUM INTAKE ON BONE MASS IN ADOLESCENT SWIMMERS: PRELIMINARY RESULTS Julian Almarcegui, C. et al [Spain]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM31-3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DIETARY NUCLEOTIDE SUPPLEMENTATION PREVENTS THE OXIDATIVE STRESS OF LYMPHOCYTES AFTER STrenuous EXERCISE IN A COLD ENVIRONMENT Riera, J. et al [Spain]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM31-4</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFFECT OF DIETARY CALCIUM ON THE HOMOCYSTINE LEVEL IN MICE Fedoruk, R. et al [Poland]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM31-5</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INFLUENCE OF TRAINING STATUS ON PERFORMANCE IN RESPONSE TO LATITUDE: ALANINE Saunders, B. et al [Brazil]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM31-6</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INDICES OF BONE MINERAL STATUS IN OVERWEIGHT AND OBESIVE ADULTS ARE IMPROVED FOLLOWING VITAMIN D SUPPLEMENTATION DURING RESISTANCE TRAINING Carrillo, A.E. et al [United States]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM32</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFFECTS OF VITAMIN D SUPPLEMENTATION ON THE INCREASE OF BLOOD PRESSURE IN OLDER ADULTS Cisneros, G. et al [Argentina]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM33</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFFECTS OF CALCIUM AND MAGNESIUM SUPPLEMENTATION ON BONE MINERAL DENSITY AND STRENGTH IN OLDER WOMEN Ruiz, M. et al [Spain]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM34</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFFECTS OF CALCIUM SUPPLEMENTATION ON BONE MINERAL DENSITY IN POSTMENOPAUSAL WOMEN Fernandez, M. et al [Spain]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM35</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFFECTS OF CALCIUM SUPPLEMENTATION ON BONE MINERAL DENSITY AND STRENGTH IN OLDER MEN Ruiz, M. et al [Spain]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM36</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFFECTS OF DIETARY CALCIUM AND MAGNESIUM SUPPLEMENTATION ON BONE MINERAL DENSITY AND STRENGTH IN POSTMENOPAUSAL WOMEN Fernandez, M. et al [Spain]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM37</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFFECTS OF CALCIUM AND MAGNESIUM SUPPLEMENTATION ON BONE MINERAL DENSITY AND STRENGTH IN OLDER WOMEN Ruiz, M. et al [Spain]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM38</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFFECTS OF DIETARY CALCIUM AND MAGNESIUM SUPPLEMENTATION ON BONE MINERAL DENSITY AND STRENGTH IN OLDER MEN Ruiz, M. et al [Spain]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM39</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFFECTS OF CALCIUM AND MAGNESIUM SUPPLEMENTATION ON BONE MINERAL DENSITY AND STRENGTH IN POSTMENOPAUSAL WOMEN Fernandez, M. et al [Spain]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM40</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFFECTS OF DIETARY CALCIUM AND MAGNESIUM SUPPLEMENTATION ON BONE MINERAL DENSITY AND STRENGTH IN OLDER WOMEN Ruiz, M. et al [Spain]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM41</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFFECTS OF CALCIUM AND MAGNESIUM SUPPLEMENTATION ON BONE MINERAL DENSITY AND STRENGTH IN OLDER MEN Ruiz, M. et al [Spain]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM42</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFFECTS OF DIETARY CALCIUM AND MAGNESIUM SUPPLEMENTATION ON BONE MINERAL DENSITY AND STRENGTH IN POSTMENOPAUSAL WOMEN Fernandez, M. et al [Spain]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM43</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFFECTS OF DIETARY CALCIUM AND MAGNESIUM SUPPLEMENTATION ON BONE MINERAL DENSITY AND STRENGTH IN OLDER MEN Ruiz, M. et al [Spain]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM44</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFFECTS OF CALCIUM AND MAGNESIUM SUPPLEMENTATION ON BONE MINERAL DENSITY AND STRENGTH IN POSTMENOPAUSAL WOMEN Fernandez, M. et al [Spain]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM45</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFFECTS OF DIETARY CALCIUM AND MAGNESIUM SUPPLEMENTATION ON BONE MINERAL DENSITY AND STRENGTH IN OLDER MEN Ruiz, M. et al [Spain]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM46</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFFECTS OF CALCIUM AND MAGNESIUM SUPPLEMENTATION ON BONE MINERAL DENSITY AND STRENGTH IN POSTMENOPAUSAL WOMEN Fernandez, M. et al [Spain]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM47</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFFECTS OF DIETARY CALCIUM AND MAGNESIUM SUPPLEMENTATION ON BONE MINERAL DENSITY AND STRENGTH IN OLDER MEN Ruiz, M. et al [Spain]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM48</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFFECTS OF CALCIUM AND MAGNESIUM SUPPLEMENTATION ON BONE MINERAL DENSITY AND STRENGTH IN POSTMENOPAUSAL WOMEN Fernandez, M. et al [Spain]</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PP-PM49</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFFECTS OF CALCIUM AND MAGNESIUM SUPPLEMENTATION ON BONE MINERAL DENSITY AND STRENGTH IN OLDER MEN Ruiz, M. et al [Spain]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Saturday, June 29th, 2013
14:00 - 15:00

14:00 - 15:00
Saturday, June 29th, 2013

APPROACH

ATHLETES

RECOVERY PHASE

Hu, C.Y. et al [Taiwan]

Schroeder, J. et al [Germany]

PP-PM49-10

THE EFFECT OF HIGH AMBIENT TEMPERATURE ON THE RESPONSES TO A CONTROLLED FOOTBALL SIMULATION
Hughes, M.G. et al [United Kingdom]

PP-PM49-11

EFFECTS OF SOCCER ON THE PLATELETS MEMBRANE FATTY ACIDS
Maynar, M. et al [Spain]

PP-PM49-12

COMPARISON BETWEEN EXPLOSIVE POWER OF HALL AND BEACH VOLLEYBALL PLAYERS
Jaskulska, E. et al [Poland]

PP-PM61 Sports Medicine [SM] 5

Lecture Room: Aula Magna 4
Chair(s):
Van Meerteren, N. [Netherlands]

PP-PM52-1

INJURIES ARISING FROM KART COMPETITIVE RACING IN CHILDREN: AN EPIDEMIOLOGICAL STUDY
Delmунtes Canajel, S. et al [Spain]

PP-PM52-2

TRUNK MUSCLE ACTIVITY AND SPINAL MOVEMENT WHILE STANDING UP IN INDIVIDUALS WITH A HISTORY OF LOW BACK PAIN
Masaki, M. et al [Japan]

PP-PM52-3

THE EFFECT OF MYOFASCIAL RELEASE INTERVENTION ON THE SHOULDER INTERNAL/EXTERNAL ROTATION RANGE OF MOTION AND MUSCLE STRENGTH FOR COLLEGIATE SOFTBALL PLAYERS
Chang, H.Y. et al [Taiwan]

PP-PM52-4

REFERENCE DATA FOR THE ASSESSMENT OF LUMBAR EXTENSION BY MEANS OF VIDEO RASTERSTEREOGRAPHY
Schröder, J. et al [Germany]

PP-PM52-5

KINESIO TAPE – IMMEDIATE EFFECTS ON SPINAL ALIGNMENT: AN RCT PILOT

PP-PM52 Physiotherapy [PT] 1

Lecture Room: Aula Magna 3
Chair(s):
van Meerteren, N. [Netherlands]

PP-PM14 Health and Fitness [HF] 8

Lecture Room: Aula Magna 5
Chair(s):
Vandervoort, R. [Belgium]

PP-PM14-1

RELATIONSHIPS AMONG SLEEP DURATION, BODY MASS INDEX AND ARTERIAL STIFFNESS IN 4TH TO 8TH GRADE JAPANESE CHILDREN
Morita, N. et al [Japan]

PP-PM14-2

LOW FREE TESTOSTERONE LEVELS ARE ASSOCIATED WITH LOSS OF APPENDICULAR MUSCLE MASS IN JAPANESE COMMUNITY-DWELLING WOMEN
Yuki, A. et al [Japan]

PP-PM14-3

THE PRESENCE OF PETS EFFECTS THE MENTAL AND PHYSICAL HEALTH OF JAPANESE OWNERS
Runumoto, K. et al [Japan]

PP-PM14-4

THE RELATIONSHIP BETWEEN PLAQUE KLOTHO CONCENTRATION AND AEROBIC EXERCISE CAPACITY IN POST-MENOPAUSAL WOMEN
Matsubara, T. et al [Japan]

PP-PM14-5

THE EFFECT OF DEEP TRANSVERSE FRICTION MASSAGE ON THE ACHILLES TENDON BLOOD FLOW IN HEALTHY VOLUNTEERS
Mahieu, N. [Belgium]

PP-PM14-6

THE RELATIONSHIP OF CARDIORESPIRATORY FITNESS WITH HEALTH-RELATED QUALITY OF LIFE IN MOROCCAN ADULT WOMEN
Aparicio, V.A. et al [Spain]

PP-PM14-7

LOW FREQUENCY STIMULATION IS ASSOCIATED WITH LOW APPENDICULAR MUSCLE MASS IN JAPANESE COMMUNITY-DWELLING WOMEN
Kojima, A. et al [Japan]

PP-PM14-8

PHYSICAL ACTIVITY AND FITNESS IN AFRICAN HIV POSITIVE WOMEN
Prista, A. et al [Mozambique]

PP-PM14-9

ACTIVATING EVERYDAY LIFE OF GENERATION X – A RCT STUDY
Koskivaara, E. et al [Finland]

PP-PM14-10

SEASONAL DIFFERENCES IN THE LIFE-STYLE AND MENTAL HEALTH IN MIDDLE AND OLD AGE SPORTS CLUB MEMBERS LIVING IN A NORTHERN AREA
Sasaki, H. et al [Japan]

PP-PM14-11

ASSOCIATION BETWEEN PHYSICAL ACTIVITY INTENSITIES AND SLEEP HABITS IN JAPANESE WORKERS
Suparthii, A. et al [Japan]

PP-PM14-12

RELATIONSHIP OF PHYSICAL FUNCTION CHANGES AFTER A FALL-PREVENTION PROGRAM IN OLDER JAPANESE WOMEN
Jindo, T. et al [Japan]

PP-PM20 Health and Fitness [HF] 14

Lecture Room: Aula Magna 5
Chair(s):
Van Lieshout, J. [Netherlands]

PP-PM52 Health and Fitness [HF] 12

Lecture Room: Aula Magna 3
Chair(s):
Nicol, C. [France]
Puig Ribera, A. [Spain]

PP-PM52-1

ASSESSMENT OF THE EFFECT OF QUADRICEPS STRETCHING
Grazziani, F. et al [France]

PP-PM52-2

REFERENCE DATA FOR THE ASSESSMENT OF LUMBAR EXTENSION BY MEANS OF VIDEO RASTERSTEREOGRAPHY
Schröder, J. et al [Germany]

PP-PM52-3

THE EFFECT OF MYOFASCIAL RELEASE INTERVENTION ON THE SHOULDER INTERNAL/EXTERNAL ROTATION RANGE OF MOTION AND MUSCLE STRENGTH FOR COLLEGIATE SOFTBALL PLAYERS
Chang, H.Y. et al [Taiwan]

PP-PM52-4

DATA FOR THE ASSESSMENT OF LUMBAR EXTENSION BY MEANS OF VIDEO RASTERSTEREOGRAPHY
Schröder, J. et al [Germany]
Mini Oral Sessions

EXTREMITY MUSCLE ACTIVITY
Gleitinger, G. et al [Austria]

PP-BN08-9
INNOVATIVE TECHNOLOGIES FOR KNEE REHABILITATION IN SUBJECTS WITH ANTERIOR CRUCIATE LIGAMENT ACL INJURIES
Benvenuti, P. et al [Italy]

PP-BN08-12
CONTRIBUTION OF THE PLANTAR FLEXION TO MAXIMUM FOOT GRIP FORCE
Koyama, K. et al [Japan]

PP-BN14-8
TIMING OF MUSCLE CONTRACTION INFLUENCES FUNCTION OF MUSCLE FIBERS
Hirose, K. et al [Japan]

PP-BN14-9
IN VIVO MUSCLE FIBER BEHAVIOR DURING A 300-CONSECUTIVE JUMP
Tsutsui, M. et al [Japan]

PP-BN14-10
RELAXATION RESPONSE TIME BASED ON DIFFERENT TONIC LEVELS
Yotani, K. et al [Japan]

PP-SH06-7
INFLUENCE OF QUADRICEPS FORCE EXERTION ON TRICEPS SURAL ACTIVITY DURING PLANTAR FLEXION
Suzuki, T. et al [Japan]

PP-SH06-8
IMPORTANCE AND USE OF NEW TECHNOLOGIES BY GENDER AND AGE FOR TEACHERS THAT WORK IN EXTRACURRICULAR SPORTS ACTIVITIES
Garcia, P. [Spain]

PP-SH11 Psycho [PS] 1
THE RELATIONSHIP BETWEEN MOTIVATION, PERFORMANCE AND AFFECT ON A SITUATIONAL LEVEL
Juan Tavira, B. et al [Spain]

PP-SH11 Psycho [PS] 2
EXPLORING ATHLETES' AUTOMATIC SELF INSTRUCTIONS
Ikeda, J. et al [Spain]

PP-SH11 Psycho [PS] 3
THE RELATIONSHIP BETWEEN MOTIVATION AND SELF-TALK
Jian Tavira, B. et al [Spain]

PP-SH11 Psycho [PS] 4
EXPLORING ATHLETES AUTOMATIC SELF-TALK
Ikeda, J. et al [Spain]

PP-SH11 Psycho [PS] 5
THE RELATIONSHIP BETWEEN MOTIVATION AND PEER быть
Ivanka, B. et al [Brazil]

PP-SH11 Psycho [PS] 6
EMOTIONAL REGULATION IN SPORT USING E.M.D.R.
Mate, D. et al [Italy]

PP-SH11 Psycho [PS] 7
THE CHINESE VERSION OF SCALE FOR EFFECTIVE COMMUNICATION IN TEAM SPORTS - A CROSS-CULTURAL REVISING AND STRUCTURE RE-EXAMINATION
Liao, C. et al [Taiwan]
Mini Orals

Saturday, June 29th, 2013

14:00 - 15:00

PP-SH15-4
EXPLORING THE EFFECTS OF EMOTIONS ON DECISION MAKING
Ballart, P. et al [Spain]

PP-SH15-5
THE EFFECT OF EMOTIONAL INTELLIGENCE <EQ> ON SPORTS EFFECTIVENESS AT HANDBALL TEAMS
Kecezi, D. [Hungary]

PP-SH15-6
VALIDITY AND RELIABILITY OF THE GREEK VERSION OF THE SATISFACTION WITH LIFE SCALE <SWLS>: EVIDENCE FROM PHYSICALLY ACTIVE COLLEGE STUDENTS
Theodoropoulou, E. et al [Greece]

PP-SH15-7
MENTAL TOUGHNESS IN AN AUSTRALIAN ENGLAND RUGBY ACADEMY
Powell, A. et al [United Kingdom]

PP-SH15-8
CHILDHOOD HYPERACTIVE TEMPERAMENT PREDICTS LOW PHYSICAL ACTIVITY AND HIGH SCREEN TIME IN ADOLESCENTS: THE YOUNG RHINS STUDY
Yang, X. et al [Finland]

PP-SH15-9
PSYCHOMOTOR PERFORMANCE AFTER 30 HOURS OF SLEEP DEPRIVATION AND EXERCISE OF MODERATE INTENSITY
Dasbrowski, J. et al [Poland]

PP-SH15-10
INDIVIDUAL AND TYPOLOGICAL FEATURES OF UNIVERSITY STUDENTS ENGAGED IN AMATEUR SPORT ACTIVITIES
Tukaiev, S. et al [Ukraine]

PP-SH24 Sport Statistics and Analyses [SA] 3
LECTURE ROOM: SALA PROFESSORAT 2
Chairs:
Memmert, D. [Germany]

PP-SH24-1
INFLUENCE OF PERIOD ON THE DISTANCE FROM THE GOAL LINE TO THE LESS ADVANCED OUTFIELD PLAYER IN SPANISH FIRST DIVISION SOCCER TEAMS
Caro, O. et al [Spain]

PP-SH24-2
THE EFFECT OF TEAM AND OPPORTUNITY QUALITY ON SELECTED ACTION VARIABLES IN PROFESSIONAL RUGBY LEAGUE
Parmac, N. et al [United Kingdom]

PP-SH24-3
THE ANALYSIS ON ACTIVITY LEVEL AND NATURE OF THE ORGANIZED TRAINING <DELIBERATE PRACTICE> AND SELF-ORGANIZED TRAINING <DELIBERATE PLAY> IN SOCCER
Nybakken, T. et al [Norway]

PP-SH24-4
THE PROFICIENCY OF SPIKING AND BLOCKING OF ADOLESCENT MALE VOLLEYBALLERS <N = 131> IN ESTONIAN CHAMPIONSHIPS IN 2005 AND 2008
Stamm, R. et al [Estonia]

PP-SH24-5
ANOTHER TEAM TIMEOUT IN HANDBALL: WHAT’S THE DIFFERENCE COMPARING WINNERS AND LOSERS TEAMS?
Prudente, J. et al [Portugal]

PP-SH24-6
ANALYSIS OF PACING PROFILES BY MEANS OF MIXED LINEAR MODELLING: NEW INSIGHTS WITH AN ALTERNATIVE STATISTICAL APPROACH?
Skiros, S. et al [Germany]

PP-SH24-7
ORIGIN AND TARGET THROWS IN ELITE LEVEL GOALBALL
Morato, M.P. et al [Brazil]

PP-SH24-8
BEHAVIOURAL DIFFERENCES IN PROFESSIONAL RUGBY LEAGUE COMPETITION:
Kempton, T. et al [Australia]

PP-SH24-9
WHAT ACTUALLY HAPPENS IN JUNIOR RUGBY LEAGUE GAME ANALYSIS ACROSS AGE GROUPS?
Cotton, W. et al [Australia]

PP-SH24-10
OFFENSIVE TECHNICAL TACTICAL VARIABLES THAT DISCRIMINATE BETWEEN WINNING AND LOSING TEAMS IN THE U17 WORLD CUP MEXICO 2011
Fritzier, W. et al [Mexico]

PP-SH24-11
ANALYSIS OF THE ATTACK TEMPO IN DIFFERENT GAME COMPLEXES IN HIGH-LEVEL STANDARD MEN’S VOLLEYBALL
Hileno, R. et al [Spain]

PP-SH24-12
SHOOTING IN FOOTBALL: FAST OR SLOW, HOW TO DECIDE?
Vicente, A. et al [Portugal]

PP-SH24-13
PASSING AND Dribbling Plays Leading to Scoring Shots and Scoring Chances: Assessment of Offensive Plays of the Japan National Team in the 16th FIBA Women’s World Championships
Sakuragi, K. et al [Japan]
Mini Oral Sessions

Saturday, June 29th, 2013
5:00 - 6:00

PP-PM32 Nutrition [NU] 6
LECTURE ROOM: PAVELLÓ SINTÈTIC
Chair(s): TORRES, L. [Spain] Raastad, T. [Norway]

PP-PM32-1 A SIX MONTH PROGRAM OF PHYSICAL ACTIVITY AND NUTRITIONAL EDUCATION CAN IMPROVE PARAMETERS RELATED TO HEALTH IN CHILDREN. Muros, J. et al [Spain]

PP-PM32-2 A 6 MONTH PROGRAM OF PHYSICAL ACTIVITY AND NUTRITIONAL EDUCATION CAN IMPROVE THE ANTHROPOMETRIC PROFILE OF CHILDREN. Muros, J. et al [Spain]

PP-PM32-3 ENERGY BALANCE DURING AN ULTRA-ENDURANCE TRIATHLON Barreno, A. et al [Spain]

PP-PM32-4 INFLUENCE OF ACID OR ALKALINE FORMING NUTRITION ON PHYSICAL PERFORMANCE AT MODERATE ALTITUDE Limmr, M. et al [Germany]

PP-PM32-5 ENERGY SUBSTRATE UTILISATION DURING ENDURANCE EXERCISE AFTER 5 DAYS ON HIGH CARBOHYDRATE WITH HIGH AND LOW CALCIUM INDEX DIETS Hamzah, S. [Malaysia]

PP-PM32-6 ELITE SYNCHRONIZED SWIMMERS DISPLAY LOW ENERGY AVAILABILITY AND DO NOT INCREASE FOOD INTAKE DURING INTENSIFIED TRAINING Schaal, K. et al [France]

PP-PM32-7 EATING ATTITUDES, HEALTH AND NUTRITION HISTORY AT KING SAUD UNIVERSITY Kornel, K. [Saudi Arabia]

PP-PM32-8 EFFECT OF NUTRITIONAL EDUCATION PROGRAM ON ADHERENCE TO DESIRABLE DIETARY BEHAVIOR IN ELITE ADOLESCENT FOOTBALL PLAYERS Urram, S. [Japan]

PP-PM32-9 ANTHROPOMETRIC PARAMETERS AND NUTRITIONAL INDICES IN CHRONIC DISEASE - ПЕРІОДИЧНИЙ ДИАГНОЗ ПАЦІЕНТІВ Підгрої, J. et al [Slovenia]

PP-PM32-10 A CASE STUDY OF THE NUTRITIONAL PRACTICES OF CLUB LEVEL CYCLISTS BEFORE AND DURING A CYCLOCROSS RACE Drexen, D. [United Kingdom]

PP-PM32-11 NUTRITIONAL PREPARATION OF IRONMAN TRIATHLETES Mcenery, I. et al [United Kingdom]

PP-PM32-12 EXERCISE-INDUCED ANOREXIA IN OBESIE TEENAGE GIRLS Lufrano-Prado, M. et al [Brazil]

PP-PM32-13 THE EFFECTS OF HIGH INTENSITY AEROBIC TRAINING ON FOOD INTAKE IN OBESIE ADOLESCENTS ARE MEDITATED BY CHANGES IN PYY LEVELS Pardo, W.L. et al [Brazil]

PP-PM32 Nutrition [NU] 7
LECTURE ROOM: SALA D’ACTES
Chair(s): Garrido, G. [Spain]

PP-PM33-1 FACTORS ASSOCIATED WITH SEVERE GASTRO-INTESTINAL DISTRESS AND MARATHON RUNNING Patrykie, M. et al [United States]

PP-PM33-2 CHANGES IN THE RELATIONSHIPS BETWEEN AEROBIC CAPACITY AND HEMATOLOGICAL VARIABLES AFTER A DIET AND EXERCISE INTERVENTION Calderon, F. et al [Spain]

PP-PM33-3 SIX DIFFERENCES IN THE EFFECTS OF MINERAL WORK AND MODERATE-INTENSITY PHYSICAL ACTIVITY ON ENERGY INTAKE IN YOUNG ADULTS Perusse-Lachance, E. et al [Canada]

PP-PM33-4 ASSOCIATION BETWEEN OBJECTIVELY MeASURED PHYSICAL ACTIVITY AND SERUM 25-HYDROXYVITAMIN D CONCENTRATION IN JAPANESE ADULTS Cao, Z.B. et al [United Kingdom]

PP-PM33-5 EFFECTS OF 2 DAYS SODIUM BICARBONATE LOADINGS ON SIMULATED FOOTBALL PERFORMANCE TEST Kurum, O. et al [United Kingdom]

PP-PM33-6 SWIMMING EXERCISE INCREASES MAGNESIUM REQUIREMENT IN RATS Sakai, K. et al [Japan]

PP-PM33-7 CARBOHYDRATE INGESTION IMPROVES GROSS CYCLING EFFICIENCY AND SUBSEQUENT TIME-TRIAL PERFORMANCE Cole, M. et al [United Kingdom]

PP-PM33-8 PREFERENCES OF DIETARY SUPPLEMENTS IN LONG DISTANCE TRIATHLON Hoedden, D. et al [Australia]

PP-PM33-9 BODY COMPOSITION AND NUTRITIONAL STATUS IN ELITE SYNCHRONIZED SWIMMERS Carrasco, M. et al [Spain]

PP-PM33-10 EFFECTS OF A GALACTO-OLIGOSACCHARIDES-A-GOS IN TRAINING ON IMMUNE CELLS IN STRIPED-CAT DUCK RATS Vincent, S. et al [France]

PP-PM33-11 EFFECTS OF EXERCISE ON 24-HR FAT OXIDATION DEPEND ON WHEN IT IS PERFORMED. Kunihara, R. et al [Japan]

PP-PM33-12 THE INDEPENDENT EFFECT OF EXERCISE INTENSITY ON APETITE, ENERGY INTAKE AND ENERGY EXPENDITURE: IS THERE A GENDER DIFFERENCE? Shamlin, G. et al [United Kingdom]

PP-PM33-13 THE EFFECT OF SHORT-TERM CALORIE RESTRICTION ON EXERCISE PERFORMANCE AND EFFICIENCY IN CYCLISTS Saunders, S.C. et al [United Kingdom]

PP-PM33-14 SUBSTRATE METABOLISM DURING EXERCISE FOLLOWING TWO WEEKS OF DIETARY CALCIUM SUPPLEMENTATION Gonzalez, J.T. et al [United Kingdom]

PP-PM33-15 MUSCLE AND BETA-ALANINE CO-INGESTION ENHANCES MUSCLE CARNOISNE LOADING. Stegen, S. et al [Belgium]

PP-PM33-16 NEGATIVE EFFECTS OF AIR POLLUTION EXPOSURE ON THE EXERCISE-INDUCED INCREASE OF BDNF GENE EXPRESSION IN THE RAT HIPPOCAMPUS Bos, I. et al [Belgium]

PP-PM33-17 EFFECTS OF PSEUDOMONAS AERUGINOSA INFECTION ON THE MUSCLE ADAPTATION TO ENDURANCE TRAINING. STUDY OF THE SKELETAL MUSCLE ADAPTATIONS Martinez-Bello, V. et al [Spain]

PP-PM33-18 THE EFFECTS OF INTENSIVE AEROBIC TRAINING ON FOOD INTAKE IN OBESE ADOLESCENTS ARE MEDIATED BY CHANGES IN PYY LEVELS Prado, W.L. et al [Brazil]

PP-PM33-19 THE INDEPENDENT EFFECT OF EXERCISE INTENSITY ON APPETITE, ENERGY INTAKE AND ENERGY EXPENDITURE: IS THERE A GENDER DIFFERENCE? Shamlin, G. et al [United Kingdom]

PP-PM33-20 THE EFFECT OF KINESIO TAPING AND CRYOTHERAPY ON PEAK ANAEROBIC POWER RECOVERY AFTER DOWNHILL RUNNING Szygula, Z. et al [Poland]

PP-PM33-21 THE EFFECT OF HIT EXERCISE ON PLASMA VOLUME AND PLASMA VISCOSITY. Easterra, J. et al [Spain]

PP-PM33-22 THE EFFECTS OF HIGH INTENSITY AEROBIC TRAINING ON FOOD INTAKE IN OBESE ADOLESCENTS ARE MEDIATED BY CHANGES IN PYY LEVELS Pardo, W.L. et al [Brazil]

PP-PM33-23 THE EFFECT OF SHORT-TERM CALORIE RESTRICTION ON EXERCISE PERFORMANCE AND EFFICIENCY IN CYCLISTS Saunders, S.C. et al [United Kingdom]

PP-PM33-24 ANTHROPOMETRIC PARAMETERS AND NUTRITIONAL INDICES IN CHRONIC DISEASE - ПЕРІОДИЧНИЙ ДИАГНОЗ ПАЦІЕНТІВ Pідгрої, J. et al [Slovenia]

PP-PM33-25 THE EFFECT OF HIT EXERCISE ON PLASMA VOLUME AND PLASMA VISCOSITY. Easterra, J. et al [Spain]

PP-PM33-26 THE EFFECT OF HIT EXERCISE ON PLASMA VOLUME AND PLASMA VISCOSITY. Easterra, J. et al [Spain]

PP-PM33-27 THE EFFECT OF HIT EXERCISE ON PLASMA VOLUME AND PLASMA VISCOSITY. Easterra, J. et al [Spain]
PERFORMANCE AND PLASMA VOLUME CHANGES
Kebri, W. et al [Tunisia]

PP-PM50-5
EFFECT OF CARBOHYDRATE SUPPLEMENTATION AT CONTINUOUS INTENSITY EXERCISE
Tesutti, V. et al [Brazil]

PP-PM50-6
THE CARDIAC AUTONOMIC MODULATION IS DETERMINED BY GENDER AND IS INDEPENDENT ON AEROBIC PHYSICAL CAPACITY
Souza, H. et al [Brazil]

PP-PM50-7
TRAINING TRANSFERS FROM RUNNING TO CYCLING: A CASE STUDY OF IMPROVEMENTS IN CYCLING AND RUNNING VO2MAX AFTER A BLOCK OF HIGH-INTENSITY AEROBIC INTERVAL TRAINING IN AN ELITE CYCLIST
Breland-Sanda, S. et al [Norway]

PP-PM50-8
BIOELECTRICAL IMPEDANCE VECTOR ANALYSIS AND ATTITUDE TRAINING IN ELITE SWIMMERS: PRELIMINARY RESULTS
Iruita, A. et al [Spain]

PP-PM50-9
IS BIOELECTRICAL IMPEDANCE ANALYSIS ACCURATE TO ESTIMATE FAT MASS IN FEMALES WITH 21-HYDROXILASE DEFICIENCY?
González, E.M. et al [Brazil]

PP-PM50-10
WHOLE-BODY BIOELECTRICAL IMPEDANCE VECTOR MIGRATION FOR MONITORING HYDRATION STATUS AFTER AN ULTRA-ENDURANCE TRIATHLON
Iruita, A. et al [Spain]

PP-PM50-11
THE EFFECTS OF FLUID DEPRIVATION ON UPPER AND LOWER BODY STRENGTH AND HYDRATION STATUS IN AMATEUR RUGBY PLAYERS
Korstanjčik, M. et al [United Kingdom]

PP-PM50-12
HYSTERESIS PHENOMENON IN THE RATE OF PERCEIVED EXERTION OF TRI-ATHLETES DURING CYCLING AND RUNNING
Galin, J. et al [Spain]

PP-PM50-13
EFFECTS OF TWO DIFFERENT MUSCLE STRENGTH MEASUREMENTS ON FRONT CRAWL SWIMMING PERFORMANCE
Fernandes, R. et al [Brazil]

PP-PM53 Misc. topics 4
LECTURE ROOM: AULA MAGNA 3
Chair(s):
Daskalovski, B. [former Yugoslav Republic of Macedonia]

PP-PM53-1
VASOULAR FUNCTION, AEROBIC FITNESS AND PHYSICAL ACTIVITY IN MAINTENANCE HEMODIALYSIS PATIENTS
Prescott, I. et al [United Kingdom]

PP-PM53-2
PHYSICAL FUNCTION OF UPPER LIMB AFTER BREAST CANCER SURGERY: A CASE SERIES OF 25 PATIENTS FOLLOWING UP ON A 3-YEAR STUDY
Sagen, A. et al [Norway]

PP-PM53-3
EFFECTS OF CONTRAST BATHING TREATED BY DIFFERENT ORDER OF WATER TEMPERATURES ON INJURY-RELATED MUSCULAR FATIGUE AFTER CHEST INJURIES IN ATHLETES AND NON-ATHLETIC TRAINERS
Ko, I. et al [Japan]

PP-PM53-4
FACTORS RELATED TO KNEE ADDUCTION MOMENT DURING GAIT DIFFER WITH GAIT PATTERNS IN PATIENTS WITH KNEE OSTEOARTHRITIS
Koyama, Y. et al [Japan]

PP-PM53-5
THE SEVERITY OF ANEMIA IS ASSOCIATED WITH LOW EXERCISE CAPACITY IN PATIENTS UNDERGOING CARDIAC SURGERY
Lai, Y.L. et al [Taiwan]

PP-PM53-6
A PROSPECTIVE STUDY ON FULL-BODY KINETIC RELATED RISK FACTORS IN THE DEVELOPMENT OF EXERTIONAL MEDIAL TIBIAL PAIN
Verbeke, R. [Belgium]

PP-PM53-7
THE RELATIONSHIP BETWEEN TOE EXERCISES AND THE MEDIAL LONGITUDINAL ARCH OF THE FOOT
Shimotsu, T. et al [Japan]

PP-PM53-8
COMPARISON OF DUAL TASK PERFORMANCE ON OBSTACLE CROSSING AMONG NON-FALLERS, SINGLE AND MULTIPLE FALLERS
Huang, Y.S. et al [Taiwan]

PP-PM53-9
THE INFLUENCE OF ACETAMINOPHEN ON REPEATED SPRINT CYCLING PERFORMANCE
Foster, J. et al [United Kingdom]

PP-PM53-10
THE INFLUENCE OF ACETAMINOPHEN IN A PROSPECTIVE 2.5 YEARS FOLLOW UP STUDY
Koyama, Y. et al [Japan]

PP-PM53-11
THE INFLUENCE OF VIBRATION FREQUENCY AND AMPLITUDE ON THE CO-ACTIVATION DURING A DYNAMIC EXERCISE UPON AN UNSTABLE VIBRATORY PLATFORM
Cabrallo, R. et al [Brazil]

PP-PM53-12
FACTORS RELATED TO KNEE ADDUCTION MOMENT DURING GAIT DIFFER WITH GAIT PATTERNS IN PATIENTS WITH KNEE OSTEOARTHRITIS
Koyama, Y. et al [Japan]

PP-PM53-13
DIFFERENT TYPES OF EXERCISE AND LIBERATION OF CIRCULATING PROGENITOR CELLS IN PATIENTS WHO SUFFERED A TRAUMATIC BRAIN INJURY
Kytöläinen, H. et al [Finland]

PP-PM53-14
THE RELATIONSHIP BETWEEN TOE EXERCISES AND THE MEDIAL LONGITUDINAL ARCH OF THE FOOT
Shimotsu, T. et al [Japan]

PP-PM53-15
THE EFFECTS OF COMBINED STRENGTH AND ENDURANCE TRAINING ON PHYSICAL PERFORMANCE AND HEALTH IN YOUNG WOMEN
Wanderley, F. et al [Brazil]

PP-PM53-16
WHOLE-BODY BIOELECTRICAL IMPEDANCE VECTOR MIGRATION FOR MONITORING HYDRATION STATUS AFTER AN ULTRA-ENDURANCE TRIATHLON
Iruita, A. et al [Spain]
Mini Oral Sessions

PP-BN09 Biomechanics [BM] 9
Lecture Room: Aula PP1
Chair(s):
Sporni, J. [Australia]
Stosic, J. [Australia]

PP-BN09-1
Developing a System to Monitor Vertical Deflection in a Trampoline Bed
Chapman, C. et al. [Canada]

PP-BN09-2
Golf Coaching-Biomechanics Interface: Starting with the Coach
Morrison, A. et al. [United Kingdom]

PP-BN09-3
Effect of Neuromuscular Training on Knee Rotation in Young Female Description by Quaternions: Representation
Santiago, P.P. et al. [Brazil]

PP-BN09-4
Defining the Optimal Load for Weighted Step Power Training in Older Women
Mair, J. L et al. [Ireland]

PP-BN09-5
Efficacy of Strength Training on Machine Conditioning: An Assessment of External Load to Muscle Work Abilities
Karczewski, M. et al. [Poland]

PP-BN09-6
Determination of Resistance Training Variables Using a Single Triaxial Accelerometer
Brown, N. et al. [Germany]

PP-BN09-7
Comparison of Relationships Between Anthropometric Measures and the Shoulder Rotators: Isokinetic Power
Zaiperti Cortes, J. C. et al. [Spain]

PP-BN09-8
Jumping Onto Unstable Surfaces Does Not Impair Subsequent Stable Jumping Performance
Pollitt, L. et al. [United Kingdom]

PP-BN09-9
An Inertial-Sensor Based Method to Quantify the Vertical Movement of Rider and Horse in Dressage Riding
Eckardt, F. et al. [Germany]

PP-BN09-10
Influence of Riding Skill on Coordination Dynamics Between Horse and Rider
Munz, A. et al. [Germany]

PP-BN09-11
Post Activation Potentiation and Achilles Tendon Stiffness in Athletes
Gago, P. et al. [Sweden]

PP-BN09-12
Effects of Running on Achilles Tendon Fatigue in the Free and Gastrocnemius Tendon Components
Lichtward, G. et al. [Australia]

PP-BN09-13
Changes in Optimal Cadence Minimizing Muscular Activation with Power Output and Muscles Investigated
Hinzly, F. et al. [France]

PP-BN09 Motor Learning [ML] 2
Lecture Room: Aula PP2
Chair(s):
Passos, P. [Portugal]
Jalitter, T. [Germany]

PP-BN09-1
Exploring 3-Space Motor Learning Curves with Phase Transition
Liu, Y T et al. [Taiwan]

PP-BN09-2
The Influence of Different Teaching Methods on Motor Learning in School Children
Brown, C. et al. [Ireland]

PP-BN09-3
The Developmental Activities of Female Professional International Soccer Players
Ford, P.R. et al. [United Kingdom]

PP-BN09-4
Motor Skills Evaluation in School Children with Down’s Syndrome: Motor Test
Rodriguez, M. et al. [Spain]

PP-BN09-5
Quiet Eye Training: What Influence Has Quiet Eye Duration?
Wilson, M.R. et al. [United Kingdom]

PP-BN09-6
TMS of Human SMA Leads to Similar MEP as Those for M1 but with Smaller Silent Periods in a Precise Force Control Task
Entakli, J. et al. [France]

PP-BN09-7
A Dynamical System Approach of Horse-Rider Coordination During Endurance Race
V Sox. S. et al. [France]

PP-BN09-8
Development of Strength in Time for a Continuous Action Perfection Task
Vaquez, P. et al. [Spain]

PP-BN09-9
Perception and Action During Indoor Climbing: Effects of Skill Level
Orth, D. et al. [France]

PP-BN09-10
The Constraint in the Imagery of Hand-Foot Coordinated Movement
Nakagawa, K. et al. [Japan]

PP-BN09-11
Movement Self-Consciousness and Conscious Motor Processing: Reinvestment in a Surgical Context
Malhotra, N. et al. [Hong Kong]

PP-BN15 Physical Education and Pedagogics [PP] 5
Lecture Room: Aula PS1
Chair(s):
Lavega, P. [Spain]
Lasierra, G. [Spain]

PP-BN15-1
Analysis of the Students’ Collective Activity Engaged in Situations of Cooperation in Physical Education 
Bar, A. [France]

PP-BN15-2
Analysis of the Students’ Collective Activity Engaged in Situations of Cooperation in Physical Education
Bar, A. [France]

PP-BN15-3
Coordinative Control of Posture and Equilibrium in High Leg Kick
Liang, Y. et al. [Taiwan]

PP-BN15-4
Coordination and Balance Skills of Selected Adolescents in the Stellenbosch Region, South Africa
Africa, E et al. [South Africa]

PP-BN15-5
Self-Percieved Motor Competence: Physical Activity Level and Fitness in Adolescents
Perzer Soto, J. J. et al. [Spain]

PP-BN15-6
The Influence of Different Type of Aerobic Exercise on Life Satisfaction and Beck Depression Level
Atan, T. et al. [Turkey]

PP-BN15-7
Self-Percieved Motor Competence: Physical Activity Level and Fitness in Adolescents
Perzer Soto, J. J. et al. [Spain]

PP-BN15-8
The Influence of Different Type of Aerobic Exercise on Life Satisfaction and Beck Depression Level
Atan, T. et al. [Turkey]

PP-BN15-9
Comparative Analysis of the Level of Participation in Recreational Running Events Poland and the United States
Czajka, K. et al. [Poland]

PP-BN15-10
Comparison of the Satisfaction with Life Between Waterpolo with Deaf and Hearing Players and theirNon-Sporting Pairs
Balogh, L. et al. [Hungary]

PP-BN15-11
The Developmental Activities of Female Professional International Soccer Players
Ford, P.R. et al. [United Kingdom]

PP-BN15-12
Coordination and Balance Skills of Selected Adolescents in the Stellenbosch Region, South Africa
Africa, E et al. [South Africa]

PP-BN15-13
Comparative Analysis of the Level of Participation in Recreational Running Events Poland and the United States
Czajka, K. et al. [Poland]

PP-BN15-14
Comparative Analysis of the Level of Participation in Recreational Running Events Poland and the United States
Czajka, K. et al. [Poland]
Mini Orals

Saturday, June 29th, 2013

15:00 - 16:00

PP-SH12-9
MOTIVATION AMONG BASKETBALL PLAYERS: DIFFERENCES ACCORDING TO THE COMPETITION.
Franco, E. et al [Spain]

PP-SH12-10
THE MOTIVATION OF YOUTH SPORT PARTICIPANTS
Chaves, A. et al [Brazil]

PP-SH12-11
PREDICTING PSYCHOLOGICAL NEED THWARTING AND AMOTIVATION: COACHES ALSO EXPERIENCE THE DARK SIDE
Alcaraz, S. et al [Spain]

PP-SH12-12
THE WHAT, WHY AND WHERE OF EXERCISE BEHAVIOR: EXPLORING ASSOCIATIONS BETWEEN PHYSICAL ACTIVITY QUANTITY, INTENSITY, ENVIRONMENT AND MOTIVATION.
Welch, A.S. et al [United States]

PP-SH16 Misc. topics 3
LECTURE ROOM: SALA PROFESSORAT 1
Chaverri Jové, D. [Spain]

PP-SH16-1
ATTITUDES TOWARDS DOPING: A COMPARISON AMONG DIFFERENT SPANISH OLYMPIC CYCLING NATIONAL TEAMS
Morente-Sánchez, J. et al [Spain]

PP-SH16-2
A PROGRAM OF EMOTIONAL AWARENESS TRAINING AND IMPLICATIONS FOR COACHING EDUCATION
Schoen, C. et al [United States]

PP-SH16-3
ADOLESCENT PERFORMERS' PERSPECTIVES OF MENTAL TOUGHNESS AND ITS DEVELOPMENT
Mahoney, J.W. et al [Australia]

PP-SH16-4
ACUTE ACETAMINOPHEN INGESTION IMPROVES TIME TO EXHAUSTION DURING EXERCISE IN THE HEAT
Mauger, A. et al [United Kingdom]

PP-SH16-5
EFFECTIVENESS OF HEAT MITIGATION STRATEGIES USING MAGNITUDE-BASED INFERENCE
Tan, P. et al [Singapore]

PP-SH16-6
THE EFFECTS OF 6 WEEK ACSM INTERVENTION ON STANDARD CARDIOVASCULAR MEASUREMENTS IN SEDENTARY OLDER MEN
Raaff, J. et al [United Kingdom]

PP-SH16-7
THE EFFECTS OF 6 WEEK ACSM INTERVENTION ON AEROBIC FITNESS IN SEDENTARY OLDER MEN
Herbert, P. et al [United Kingdom]

PP-SH16-8
DIFFERENCES IN ACTN3 GENOTYPE IN SPANISH FEMALE SWIMMERS
Díaz-Ureña, G. et al [Spain]

PP-SH19 Sociology [SO] 3
LECTURE ROOM: SALA PROFESSORAT 2
Chair(s):

PP-SH19-1
THE CATALAN SPORTS OBSERVATORY: THE DATA OF SPORT IN THE SPOTLIGHT
Gomez Ribas, J. et al [Spain]

PP-SH19-2
MODERNITY AND THE REGULATION OF BODIES: ELIAS MEETS FOUCAULT
Martins, C. [Brazil]

PP-SH19-3
EXCHANGE PROGRAMS/INTERNATIONAL LEISURE COOPERATION IN THE AREA OF THE NATIONAL RESEARCH GROUPS CONTEXT
Marinho, A. et al [Brazil]

PP-SH19-4
THE ROLE OF SPORTS COMMUNITY FOR QUALITY OF LIFE IN STRICKEN AREA FROM DISASTER
Takahashi, S. [Japan]

PP-SH19-5
A COMPARISON OF PUBLIC-PRIvATE PARTNERSHIPS IN CONSTRUCTING PROFESSIONAL SPORTS FACILITIES BETWEEN THE UNITED STATES AND TAIWAN
Lee, K.W. et al [Taiwan]

PP-SH19-6
AN AUTOBIOGRAPHIC EXPLORATION OF CANCER AND ALCOHOLISM WITHIN A FATHER-SON RELATIONSHIP
McInch, A. [United Kingdom]

PP-SH19-7
BIGGER MUSCLES AND MORE SEX: AN ALTERNATIVE INTERPRETATION OF YOUNG MENS USE OF ANABOLIC STEROIDS
Christiansen, A.V. [Denmark]

PP-SH19-8
COMPARISON OF SPORT HABITS BETWEEN HUNGARIAN AND US SOLDIERS SERVING IN AFGHANISTAN
Molnár, A.H. et al [Hungary]

PP-SH19-9
THE DOUBLE ARTICULATION OF THE RELATIVE AGE EFFECT ON SWEDISH FOOTBALL PLAYERS
Petersson, T. [Sweden]

PP-SH19-10
THE RELATIONSHIP BETWEEN SCHOOL SPORTS AND IDENTITY FORMATION: SOCIALIZATION OR SELECTION?
Pot, J.N. et al [Netherlands]
Health and Fitness

PP-UD01 1
PHYSICAL ACTIVITY QUANTIFICATION IN ELDER WOMEN.
Gallo-Salazar, C. et al. [Spain]

PP-UD01 2
THE EFFECT OF REGULAR PHYSICAL EXERCISE ON BODY COMPOSITION AND PHYSICAL FITNESS IN MIDDLE-AGE ADULTS COMMUNITY.
Martins, P.F.O. et al. [Brazil]

PP-UD01 3
ECG PARAMETERS CONCATENATION DURING CYCLE BIKING.
Vairoras, A. et al. [Lithuania]

PP-UD01 4
EVALUATION OF PHYSICAL ACTIVITY, GENDERS AND BMI CATEGORIES.
Alves, D. et al. [Portugal]

PP-UD01 5
ASSESSMENT OF SEDENTARY BEHAVIOR AND PHYSICAL ACTIVITY PATTERNS IN A POPULATION OF MID-ADULTS.
Kimura, Y. et al. [Japan]

PP-UD01 6
ASSESSMENT OF DAILY PHYSICAL ACTIVITY DURING FREE LIVING IN OBESITY ADULT.
Larsen, K.G. et al. [Denmark]

PP-UD01 7
ANTHRROPOMETRIC MEASURES AND PHYSICAL ACTIVITY LEVELS ARE THEY ALWAYS RELATED?
Rocugis, M. et al. [Italy]

PP-UD01 8
EFFECTS OF PHYSICAL EXERCISES ON THE PHYSICAL PERFORMANCE OF OLDER ADULTS.
Lucchesi, C. et al. [Italy]

PP-UD01 9
EFFECTS OF PHYSICAL EXERCISE ON BODY COMPOSITION AND PHYSICAL FITNESS IN ELDERLY WOMEN.
Chi, M. et al. [Japan]

Computer Sciences

PP-UD01 1
MEASUREMENT OF LIMITS' ACCELERATION IN TABLE TENNIS USING WIRELESS SENSORS NETWORK SYSTEM.
Chen, Q. [China]

PP-UD01 2
THE EFFECT OF GENTLE SKIN STIMULATION ON AUTONOMIC NERVOUS ACTIVITY AFTER EXERCISE.
Hoshikawa, H. et al. [Japan]

PP-UD01 3
EFFECTS OF HIGH-INTENSITY INTERVAL TRAINING ON AEROBIC CAPACITY IN UNTRAINED FEMALES.
Lancaster, R.E. et al. [United Kingdom]

PP-UD01 4
1-YEAR WORKSITE STRUCTURED EXERCISE PROGRAM IMPROVES ACTIVE BEHAVIOR ESPECIALLY AT VIGOROUS INTENSITY.
Jimenez, A. et al. [Australia]

PP-UD01 5
THE RELATIONSHIP BETWEEN PHYSICAL ACTIVITY LEVELS, BODY MASS INDEX AND SELF-CONCEPT IN YOUTH PEOPLE.
Yuste, F. et al. [Spain]

PP-UD01 6
RELATIONSHIPS BETWEEN PHYSICAL ACTIVITY LEVELS, BODY MASS INDEX AND SELF-CONCEPT IN YOUTH PEOPLE.
Yuste, F. et al. [Spain]

PP-UD01 7
ACHIEVING PHYSICAL ACTIVITY RELATIONSHIPS USING ACCELEROMETERS.
Peltola, J. et al. [Portugal]

PP-UD01 8
SPORT AND PHYSICAL ACTIVITY MONITORING AS A TOOL TO PREVENT DISEASE AND TO IMPROVE A WELLNESS.
Giugno, Y. et al. [Italy]

PP-UD01 9
EFFECTS OF PHYSICAL EXERCISES IN 2 TYPE DIABETES PATIENTS ROLE OF WHOLE BODY VIBRATION.
Martins, J. et al. [Portugal]

PP-UD01 10
THE EFFECTS OF HIGH-INTENSITY INTERVAL TRAINING ON AEROBIC CAPACITY IN UNTRAINED FEMALES.
Lancaster, R.E. et al. [United Kingdom]

PP-UD01 11
THE EFFECTS OF RESISTANCE AEROBIC AND COMBINED TRAINING AND DEANERING ON MUSCLE PERFORMANCE AND BLOOD LIPID PROFILE IN CORONARY ARTERY DISEASED PATIENTS.
Panayiotou, G. et al. [Cyprus]

PP-UD01 12
THE EFFECTS OF PHYSICAL EXERCISES ON THE PHYSICAL PERFORMANCE OF OLDER ADULTS.
Lucchesi, C. et al. [Italy]

PP-UD01 13
THE EFFECTS OF PHYSICAL EXERCISES ON THE PHYSICAL PERFORMANCE OF OLDER ADULTS.
Lucchesi, C. et al. [Italy]

PP-UD01 14
THE EFFECTS OF PHYSICAL EXERCISES ON THE PHYSICAL PERFORMANCE OF OLDER ADULTS.
Lucchesi, C. et al. [Italy]

PP-UD01 15
THE EFFECTS OF PHYSICAL EXERCISES ON THE PHYSICAL PERFORMANCE OF OLDER ADULTS.
Lucchesi, C. et al. [Italy]

PP-UD01 16
THE EFFECTS OF PHYSICAL EXERCISES ON THE PHYSICAL PERFORMANCE OF OLDER ADULTS.
Lucchesi, C. et al. [Italy]
**Neuromuscular Physiology**

**PP-UD01.1**
**THE RELATIONSHIP BETWEEN FOOT GRIP STRENGTH AND SPRACTING.**
Yamashita, T. et al. [Japan]

**PP-UD01.2**
**PERFORMANCE AND RECOVERY DURING REPEATED CYCLING SPRINTS: EFFECT OF HYPOXIA SEVERITY.**
Christan, R. et al. [Qatar]

**Nutrition**

**PP-UD01.1**
**EFFECTS OF FLEX PARAGLUEBENS INGESTION ON FAT METABOLISM DURING EXERCISE.**
Akhtab, A. [United Kingdom]

**PP-UD01.2**
**FLUID BALANCE OF WELL-TRAINED SWIMMERS DURING VARYING INTENSITY EXERCISE IN AN OUTDOOR ENVIRONMENT.**
Pitarch-Peschek, K. et al. [Switzerland]

**PP-UD01.3**
**MICRONUTRIENT INTAKE OF TOP LEVEL MALE AND FEMALE HIGH JUMPERS.**
Velekas, P. et al. [Greece]

**PP-UD01.4**
**EFFECTS OF A TRANSDERMAL APPLICABLE ARGININE SUPPLEMENT ON THE MAXIMAL AND SUBMAXIMAL BENCH-PRESS PERFORMANCE.**
Geisler, S. et al. [Germany]

**PP-UD01.8**
**INCREASED EEG THETA AND ALPHA ACTIVITY INDICATE SOMATOSENSORY WORKING MEMORY PROCESSES IN DIFFERENTIAL BADMINTON SERVING.**
Henz, D. et al. [Germany]

**PP-UD01.9**
**SURFACE EMG DECOMPOSITION OF VASTUS MEDialis AND VASTUS LATERALIS IN TRAINED VERSUS UNTRAINED SUBJECTS.**
Lindley, S. et al. [United Kingdom]

**PP-UD01.10**
**A CASE STUDY: NUTRITIONAL INTERVENTION AND BODY HYDRATION/COMPOSITION ASSESSMENT IN ULTRA-ENDURANCE CYCLING EVENT.**
Lopez-Grueso, R. et al. [Spain]

**Molecular Biology**

**PP-UD01.1**
**DIFFERENTIAL VS. DRILL LEARNING OF THE OVERHEAD BADMINTON SMASH.**
Jalil, T. et al. [Germany]

**PP-UD01.2**
**INKTIVE CAPACITY AND OXIDATIVE STRESS AFTER THREE WEEKS OF STRENuous EXERCISE IN YOUNG ADULTs.**
Lundström, P. et al. [Sweden]

**PP-UD01.3**
**THE IMPACT OF ANTIOXIDANT SUPPLEMENTATION AND ENDURANCE EXERCISE ON NEURAL NITRIC OXIDE SYNTHASE EXPRESSION IN SKLELETAL MUSCLE OF MICE.**
Baum, O. et al. [Switzerland]

**PP-UD01.4**
**SLOW-TACHYCARDIA AND PARAMETER.**
Chen, L. et al. [China]

**PP-UD01.5**
**PREDICTION OF FUTURE CARDIAC EVENTS IN PATIENTS WITH CHRONIC HEART FAILURE.**
Pani, F. et al. [Italy]

**PP-UD01.6**
**THE RELATIONSHIP BETWEEN MAXIMAL VOLUME AND CAPACITY IN HIGH PERFORMANCE TENNIS PLAYERS RELATED TO AGE AND GENDER.**
Urban Infantes, T. et al. [Spain]

**PP-UD01.7**
**THE RELATIONSHIP BETWEEN MUSCLE LENGTH AND DURATION OF THE M-WAVE.**
Shashok, V. et al. [Germany]

**PP-UD01.8**
**THE RELATIONSHIP BETWEEN VOLUME AND MUSCLE DEVELOPMENT.**
Tursi, D. et al. [Italy]

**PP-UD01.9**
**MAXIMUM ISOMETRIC FOOT GRIP FORCE AND MAXIMUM ISOMETRIC ANGLE OF KNEE AND LEG EXTENSION MOVEMENT.**
Yamashita, T. et al. [Japan]

**PP-UD01.10**
**MAXIMUM ISOMETRIC FOOT GRIP FORCE AND MAXIMUM ISOMETRIC ANGLE OF KNEE AND LEG EXTENSION MOVEMENT.**
Yamashita, T. et al. [Japan]
Philosophy and Ethics

PP-UD01
EVALUATION OF WEST AUSTRIAN COACHES AND SPORT TEACHERS’ KNOWLEDGE REGARDING DOPING IN SPORT
Blank, C. et al [Austria]

Physical Education and Pedagogics

PP-UD01-1
RELATIONSHIPS BETWEEN FITNESS AND GUIDANCE OF ATTENTION IN SPORTS INVOLVED AND SPORTS NON-INVOLVED CHILDREN
Serbetar, I. et al [Croatia]

PP-UD01-2
THE EFFECT OF AN ALTERNATIVE EDUCATION PROGRAM UPON STUDENTS’ TENNIS LEARNING PROCESSES
Silva, N. et al [Brazil]

PP-UD01-3
THE EFFECT OF PHYSICAL ACTIVITY HABITS AND PHYSICAL FITNESS ON ACADEMIC PERFORMANCE IN ADOLESCENTS
Garcia-Tardón, B. et al [Spain]

PP-UD01-4
DOES PHYSICAL OUT OF SCHOOL ACTIVITY COMPROMISE THE ACADEMIC PERFORMANCE OF YOUTH PEOPLE?
Ballester, R. et al [Spain]

PP-UD01-5
ECOLOGICAL-DYNAMIC APPROACH IN PHYSICAL EDUCATION ACCORDING TO BERTHOZ THEORIES
Polidoro, L. et al [Italy]

Physiology

PP-UD01.1
THE EFFECTS OF EXERCISE-INDUCED CHANGES IN CEREBRAL OXYGENATION ON COGNITION IN THE HUMAN PREFRONTAL CORTEX
Kobayashi, K. et al [Japan]

PP-UD01.2
RELATIONSHIP BETWEEN DAILY SPONTANEOUS RUNNING DISTANCE AND BRAIN MUSCULAR ACTIVITY IN RATS
Yangeta, S. et al [Japan]

PP-UD01.3
EFFECT OF COMBINED TRAINING ON PLASMA VOLUME VARIATION IN RESPONSE TO SUBMAXIMAL EXERCISE: EFFECT OF ADVANCED AGE
Selledni, M. et al [France]

PP-UD01.4
EFFECTS OF A 25 KM ULTRA-OPEN WATER SEA SWIMMING TEST ON SALARIAL LEVELS OF HORMONES AND IMMUNITY MARKERS
Tauler, P. et al [Spain]

PP-UD01.5
CROSS-VALIDATION OF DIFFERENT PREDICTIVE EQUATIONS FOR AEROBIC CAPACITY BY SHUTTLE RUN 20M IN BRAZILIAN YOUNG MEN
Ferreira, C.E.S. et al [Brazil]

PP-UD01.6
RUNNING A 300 KM ULTRA-MARATHON INDUCES AN INFLAMMATORY RESPONSE BUT DOES NOT RAISE THE LEVEL OF THE PLASMA IRON-REGULATORY PROTEIN HEPIDIN
Kosmalla, K. et al [Poland]

PP-UD01.7
RELATIONSHIP BETWEEN FINGERTIP SWEAT AMMONIA CONCENTRATIONS AND POWER FOLLOWING SHORT-TERM SPRINT CYCLE EXERCISE
Itzh, H. et al [Japan]

PP-UD01.8
EXERCISE IMPROVES POSTMENOPAUSAL DEPENDENT VASCULAR ACTIVITY
Alkhathib, A. et al [United Kingdom]

PP-UD01.9
MUSCLE FUNCTION & PERFORMANCE AFTER MANIPULATION WITH BLOOD METABOLOMICS IN HIGHLY TRAINED CYCLISTS
Lyngholm, J. et al [Denmark]

PP-UD01.10
RED BLOOD CELL MORPHOLOGY ADAPTS TO INTESTINAL ENDURANCE TYPE EXERCISE
Schumacher, Y.O. et al [Qatar]

PP-UD01.11
EFFECTS OF LIPOSUCTION AND EXERCISE TRAINING ON SELECTIVE INFLAMMATION-RELATED ADIPOSE TISSUE CYTOKINES
Hansen, M. et al [Denmark]

PP-UD01.12
NORMALIZED METHOD TO QUANTIFY THE OXYGENATION PROFILE OF SKELETAL MUSCLE WITH REAL TIME NIRS MEASUREMENT
Rios-Kristjansson, J.G. et al [Spain]

PP-UD01.13
SOCCER REFEREES REPEATED SPRINT ABILITIES
Nedic, A. et al [Croatia]

PP-UD01.14
THE ABILITY OF LOG-LINEAR ANCOVA TO DETECT CARBOHYDRATE DECOMPOSITION IN OVERWEIGHT SUBJECTS
Draper, S.B. et al [United Kingdom]

PP-UD01.15
MAXIMUM LACTATE STEADY STATE AND 4 MMOL/L LACTATE THRESHOLD IN ROWING
Grabov, V. et al [Germany]

PP-UD01.16
AEROBIC CAPACITY AND INCREASE IN BODY CORE TEMPERATURE DURING GRADED EXERCISE TESTING
Takarada, M. et al [Croatia]

PP-UD01.17
RELATIONSHIP BETWEEN DAILY SPONTANEOUS RUNNING DISTANCE AND BRAIN MUSCULAR ACTIVITY IN RATS
Yangeta, S. et al [Japan]

PP-UD01.18
THE EFFECT OF PHYSICAL ACTIVITY HABITS AND PHYSICAL FITNESS ON ACADEMIC PERFORMANCE IN ADOLESCENTS
Garcia-Tardón, B. et al [Spain]

PP-UD01.19
NO CHANGE IN HEMOGLOBIN MASS AFTER 12 WEEKS OF INTENSIVE ENDURANCE TRAINING AT SEA LEVEL
Holden, G. et al [Norway]

PP-UD01.20
THE POWER DOPPLER ANALYSIS OF VASTUS LATERALIS MUSCLE VASCULARITY IN EXERCISE
Martins, R. et al [Portugal]

PP-UD01.21
THE MECHANISMS UNDERLYING THE REGULATION OF THE NUMBER OF MICMUTURITIONS AS A HYDRATION MARKER FOR KIDS
Kavouras, S.A. et al [United States]

PP-UD01.22
NUMBER OF MICTURITIONS AS A HYDRATION MARKER FOR KIDS
Kavouras, S.A. et al [United States]

PP-UD01.23
CHANGES IN THE WHOLE BODY BIOELECTRICAL IMPEDANCE VECTOR INDUCED BY TRAINING IN YOUNG ELITE SYNCHRONIZED SWIMMERS: PRELIMINARY RESULTS
Carrasco, M. et al [Spain]

PP-UD01.24
RELATIONSHIP BETWEEN FINGERTIP SWEAT AMMONIA CONCENTRATIONS AND POWER FOLLOWING SHORT-TERM SPRINT CYCLE EXERCISE
Itzh, H. et al [Japan]

PP-UD01.25
THE CAPACITY AND HYPOTHALAMIC RESPONSE TO SPONTANEOUS ADIPOSE TISSUE BLOOD FLOW IN HUMANS
Kallioikoski, K.A. et al [Finland]

PP-UD01.26
EXHAUSTED EXERCISE PRECONDITIONING MAY CAUSE PLASMA TO PREVENT LIPID PEROXIDATION OF RBC IN VITRO
Sha-Pu, L.B. et al [Taiwan]

PP-UD01.27
EVALUATION OF WEST AUSTRIAN COACHES AND SPORT TEACHERS’ KNOWLEDGE REGARDING DOPING IN SPORT
Blank, C. et al [Austria]

PP-UD01.28
MAXIMUM LACTATE STEADY STATE AND 4 MMOL/L LACTATE THRESHOLD IN ROWING
Grabov, V. et al [Germany]

PP-UD01.29
EVALUATION OF WEST AUSTRIAN COACHES AND SPORT TEACHERS’ KNOWLEDGE REGARDING DOPING IN SPORT
Blank, C. et al [Austria]

PP-UD01.30
ABDOMINAL TO LOWER BODY FAT MASS RATIO IMPACTS ON LIPOXMAX IN NORMAL WEIGHT WOMEN
Isacco, L. et al [France]

PP-UD01.31
RELATIONSHIPS BETWEEN FINGERTIP SWEAT AMMONIA CONCENTRATIONS AND POWER FOLLOWING SHORT-TERM SPRINT CYCLE EXERCISE
Itzh, H. et al [Japan]

PP-UD01.32
RELATIONSHIP BETWEEN FINGERTIP SWEAT AMMONIA CONCENTRATIONS AND POWER FOLLOWING SHORT-TERM SPRINT CYCLE EXERCISE
Itzh, H. et al [Japan]

PP-UD01.33
GASTRIPED AND HAND GRIP STRENGTH – MORE USEFUL THAN MUSCLE MASS TO ESTIMATE SARCOPENIA IN ELDERLY WOMEN?
Hoffmann, M. et al [Austria]

PP-UD01.34
SPONTANEOUS EXERCISE PRECONDITIONING MAY CAUSE PLASMA TO PREVENT LIPID PEROXIDATION OF RBC IN VITRO
Sha-Pu, L.B. et al [Taiwan]

PP-UD01.35
THE INFLUENCE OF AN ALTERNATIVE EDUCATION PROGRAM UPON STUDENTS’ TENNIS LEARNING PROCESSES
Silva, N. et al [Brazil]

PP-UD01.36
THE INFLUENCE OF AN ALTERNATIVE EDUCATION PROGRAM UPON STUDENTS’ TENNIS LEARNING PROCESSES
Silva, N. et al [Brazil]

PP-UD01.37
THE INFLUENCE OF AN ALTERNATIVE EDUCATION PROGRAM UPON STUDENTS’ TENNIS LEARNING PROCESSES
Silva, N. et al [Brazil]

PP-UD01.38
THE INFLUENCE OF AN ALTERNATIVE EDUCATION PROGRAM UPON STUDENTS’ TENNIS LEARNING PROCESSES
Silva, N. et al [Brazil]

PP-UD01.39
THE INFLUENCE OF AN ALTERNATIVE EDUCATION PROGRAM UPON STUDENTS’ TENNIS LEARNING PROCESSES
Silva, N. et al [Brazil]

PP-UD01.40
THE INFLUENCE OF AN ALTERNATIVE EDUCATION PROGRAM UPON STUDENTS’ TENNIS LEARNING PROCESSES
Silva, N. et al [Brazil]

PP-UD01.41
THE INFLUENCE OF AN ALTERNATIVE EDUCATION PROGRAM UPON STUDENTS’ TENNIS LEARNING PROCESSES
Silva, N. et al [Brazil]

PP-UD01.42
THE INFLUENCE OF AN ALTERNATIVE EDUCATION PROGRAM UPON STUDENTS’ TENNIS LEARNING PROCESSES
Silva, N. et al [Brazil]
PP-UD01-76
INTERPRETATION OF PEAK POWER ASSESSMENTS IN YOUNG SOCCER PLAYERS
Severino, V. et al [Portugal]

PP-UD01-77
PROFILING YOUNG SOCCER PLAYERS BY PLAYING POSITION: BODY SIZE, BODY COMPOSITION, MATURATION AND SHORT-TERM MAXIMAL EFFORT
Severino, V. et al [Portugal]

PP-UD01-78
CARDIORESPIRATORY RESPONSES OF TRAINED CEREBRAL PALSY CYCLIST DURING EXHAUSTIVE SEVERE EVENT: A CASE STUDY
Weissland, T. et al [France]

Traumatology

PP-UD01-1
PREVALENCE OF INJURIES AMONG HANDBALL PLAYERS
Bedo, B.L.S. et al [Brazil]
**ActiGraph [USA]**

ActiGraph is the industry’s leading provider of accelerometer-based physical activity and sleep monitoring hardware and software solutions for the global scientific community. ActiGraph monitoring systems deliver objective and reliable 24-hour physical activity and sleep/wake measurements to clients in more than 72 countries for a wide range of applications including health research, population studies, clinical trials and sleep diagnostics. Visit stand #74 to learn about ActiGraph’s newest generation of wireless activity monitors and to view demos of the ActiLife 6 software, our suite of interactive mobile apps and a brand new web-based study portal.

www.actigraphcorp.com

**AEI Technologies Inc. [USA]**

AEI Technologies offers three levels of Metabolic Carts providing cost-effectiveness versus budgetary concerns. Carts are suitable for teaching, research, and clinical applications as well as for testing or exercise physiology. Our metabolic systems are easily upgraded for BGG, Cardiac Output, and Breath-by-Breath monitoring to accurately measure energy metabolism by indirect calorimetry. All carts are easily connected to Douglas Bag measurement systems.

www.aeitechnologies.com

**Akern Srl [Italy]**

www.akern.com

**ANT Neuro b.v. [The Netherlands]**

ANT Neuro is a Dutch corporation specialised in the development, production, marketing and sales of medical and research applications. It develops software and equipment for the study of human brain signals, focusing on products with a high impact of innovation and technology. ANT Neuro was established in 1996 as a company of the University of Twente, Enschede. It now has offices located in Enschede in the Netherlands, Berlin in Germany, and Madison in Wisconsin, USA. ANT Neuro offers solutions and high quality, state-of-the-art products and reliable services for expert customers worldwide. The company actively supports and contributes to both clinical and research projects. Our endless drive to tackle new ways in brain research is continuously bringing us one step ahead with applications that are facilitating new developments.

www.ant-neuro.com

**Artinis Medical Systems B.V. [The Netherlands]**

Artinis Medical Systems is a Dutch innovative company producing near infrared spectroscopy equipment (NIRS) to measure both brain and muscle tissue saturation oxygenation levels. We have a range of products, from 48 channel flexible, fast and sensitive laboratory equipment like the OXYMON to small and wireless instruments like the PortaMon and the PortaLite. The latter ones have the size of cell phone and can be used inside and outside. They are not only popular with researchers, they are being used more and more by (Olympic) athletes to optimize their training protocols!

www.artinis.com

**Aspetar [Qatar]**

Aspetar is one of the world’s leading specialized orthopedic and sports medicine hospitals and the first in the Gulf region of the Middle East. We provide exceptional medical treatment and services to all athletes in a state-of-the-art facility. The hospital features centers of excellence for sports medicine, sports science, orthopedics and rehabilitation. From injury to recovery, we offer the athlete complete, multidisciplinary treatment in one location. Aspetar’s philosophy is to provide athletes and sports players with the knowledge and ability to maximize their training and competitive potential by educating them on optimizing their fitness, nutrition, psychology and training schedules. The hospital meets international standards in its treatment of orthopedic problems and athletic injuries and uses established best-practices and the latest technology to guide patients through rehabilitation to complete recovery. In 2009, Aspetar was officially accredited as a FIFA Medical Centre of Excellence.

www.aspetar.com

**Bassett Biomechanics [Italy]**

Bassett Biomechanics provides training, resources, and mobile apps and a brand new web-based study portal.

www.bassettbiomechanics.com

**b-Cat High Altitude [The Netherlands]**

Is it muscle? Is it willpower? Is it your best time or your worst day? In the end, oxygen is just what you have left when you push yourself to the limit. The main objective of high altitude training is to make sure you can go that extra mile. Whether you are training for your big game or just pushing yourself to lose weight, high altitude training gives you that extra breath of power to increase your performance. b-Cat provides knowledge and delivers High Altitude Training concepts and equipment such as climate chambers and tents. As a full-service company, b-Cat is leader and innovator of the industry.

www.b-cat.nl/

**Bertec Corp. [USA]**

Bertec Corporation is a leading manufacturer of force measuring instruments used for research, rehabilitation and sports applications. Bertec makes force plates, instrumented treadmills, load cells and balance plates. Bertec’s Fully Instrumented Split Belt Treadmill is the number one selling instrumented treadmill in the world. Bertec’s products have always been known to be very accurate with high quality.

www.bertec.com

**CamNtech Ltd. [United Kingdom]**

CamNtech have been manufacturing and selling compact, lightweight medical devices since 1999. CamNtech has a tradition for innovative engineering offering a number of products, including the Actheart, Actiwave, Cardio, Actiwatch Mini, Motorwatch 8 and PRO-Diary product ranges. The Actheart is a compact, chest-worn monitoring device that records heart rate, Inter-Beat-Interval (IBI) and physical activity in one combined, light-weight, waterproof unit. It is designed for capturing HRV data and for calculating and measuring Activity Energy Expenditure.

www.camntech.com

**Cardiowise Seleon GmbH [Germany]**

Cardiowise is a registered trademark and business unit of seleon gmbh - having developed an impressive range of innovative products and concepts in the fields of ergometry, cardio-pulmonary rehabilitation, sports medicine, sports science, prevention and occupational health management. The parent company is a broad-based provider of medical engineering services with core competencies in product development, production, international approvals and risk management. seleon gmbh has been developing and manufacturing innovative products for well-known medical engineering companies for over 10 years. Its portfolio is based on cardiology, respiration and the measurement and analysis of physiological data. The company has now launched cardiowise, its own brand marking a further milestone in the company’s history.

www.cardiowise.com

**Casio [Spain]**

www.exilimlab.com

**Catapult Sports Pty Ltd [United Kingdom]**

Catapult are the global leader in athlete analytics - working with over 250 elite teams and institutes around
the world. Born out of collaboration with the Australian Institute of Sport and an engineering research organisation, Catapult track, improve and protect teams in the English Premier League, La Liga, Serie A and Bundesliga - as well as the NBA and NFL - with wearable athlete tracking technology that is scientifically proven to improve performance and reduce soft tissue injuries. Catapult's hardware includes the market-leading GPS devices worn around the world, and the upcoming indoor GPS system that will revolutionise athlete monitoring for elite sport.

catapultsports.com/

Channel Innomatrix BV [The Netherlands]

Channel Innomatrix BV belongs to Channel Biomedical Group, a Dutch company with international representation. The company is specialized in commercializing innovative products in the field of biomedical, wellness and sports. In the sport medicine, we have a dedicated product portfolio that consists of:

- AGE Reader™ - Non-invasive tool to assess Advanced Glucation Endproducts (AGEs)
- Airnergy™ - Award winning breathing device to boost energy and enhance performance
- ASOTM - Activated stabilized liquid oxygen (O4) for sports and wellbeing
- Aqua SantasTM - Portable alkaline water jar for healthy solution through PH balancing
- Happyears - Award winning noise canceling and water proof earplug for active people

www.channelinnomatrix.com

Chamwood Dynamics Ltd. [United Kingdom]

Motion Capture and Movement Analysis are twin specialisms at Codamotion. We supply systems that measure, analyze and report on movement in a variety of different applications and environments, from routine clinical analysis to ground breaking research, from hospital gait lab to sports field to space station. Codamotion is the only company to offer 3D Movement Analysis Systems that:

- Can be set up anywhere, even outdoors in bright light.
- Require no calibration by users.
- Show your results immediately.
- Don't suffer from occlusions and never forget which marker is which.
- Are so precise, you don't need to filter data or show 'average' results; just show what you actually measured!
- Can be broken down and rebuilt in a different place in a new configuration - in ten minutes!
- Come with the State-of-the-Art ODIN Software Suite...And Video Systems with Force Vector overlay that offer:
  - Easy Capture: One-touch recording of trials at 100 frames-per-second. Set up and align the whole system in minutes using no markers and no pre-preparation of the subject.
  - Easy Assessment: See frame-by-frame playback of any trial and true 3D force vector overlaid on

www.codamotion.com

CIDIDA Foundation [Spain]

CIDIDA was founded on July 4th 2008 and registered on July 30th 2008 with the Spanish Ministry of Education, Social Policy and Sport. The CIDIDA Foundation works to promote sport, especially athletics, in two main areas:

- Scientific and cultural (promoting scientific research, intercultural exchanges, teaching, publications, exhibitions, congresses, conferences, etc.)
- Humanitarian (funding sports development projects with specific groups including elite athletes, coaches, children or others with special needs, particularly in the field of athletics)

www.cidida.org

C-Motion, Inc. [USA]

C-Motion has a passion for making the world's leading complex nature of movements in 3D. Our software Visual3D is hardware independent, marker set independent, functionally extensible, and has the most capable modelling capabilities available. It provides clinically validated, consistent results from motion capture data. Its analytical power and object architecture make it a compelling product for clinical assessments, visualizing 3D data, rehabilitation assessments, animal research, sports related motion, virtual reality activities, and many other applications.

www.c-motion.com

Corbera ML Polo Trade, S.A.L. [Spain]

Portable charger for all kind of mobile phones. Charge your mobile wherever and whenever you want with ChargeMe. Forget battery life problems. Keep your device powered! Get a 20% discount!

Compatible with cameras and video, PSP and Nintendo DS, iPod, Ipad and tablets. Visit our booth and get 20% discount!

www.chargeme.es/

COSMED Srl [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 Performance markets. COSMED presents a full range of Gold Standard systems: K4b2, the world famous mobile ergospirometer; Quark CPT. the full-featured metabolic cart; Filmate PRO, the innovative desktop CPT solution; Bod Pod, air displacement plethysmography system for accurate body composition measurement.

www.cosmed.com
Exhibitors profiles

European Hydration Institute [Spain]
The European Hydration Institute is a not for profit foundation which aims to advance knowledge and understanding of all matters relating to human hydration and its effects on health, wellness and performance. Working with independent scientists and health professionals, the institute provides an authoritative source of science-based information and seeks to raise awareness of the importance of proper hydration.

www.europeanhydrationinstitute.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.

www.gssiweb.com

GENEActiv (Activinsights Ltd) [UK]
GENEActiv’s robust, ergonomic wrist-worn design achieves greater subject acceptance and compliance, accurately monitoring body movement in free living scenarios. The compact, body-worn accelerometer measures acceleration, temperature and light exposure in all environments. As well as activity, sleep and lifestyle, the high quality data allows factors such as gait and body balance measures to be compared over time for an individual. This leading technical design offers 0.56GB of high-resolution data in an open format and comes as a uniquely fully waterproof, value-for-money instrument with a durable 2 month data collecting battery life, capable of recharging. While the open raw data format allows analysis approaches to be shared between all users and applications.

www.geneactiv.co.uk

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.

www.humankinetics.com

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 Barcelona HUR Labs introduces the Megaplate - a large force platform for measuring jumps and balance. Please visit us at the exhibition for a demonstration.

www.hurlabs.com

Iberian Sportech S.L. [Spain]
Iberian Sportech is a Spain based company, specialized in high tech and goal-oriented training devices. We cooperate with several brands to distribute their products such as SAQ, Aerofloor, TMG and kBox. We also provide training to learn how to take the whole advantage from them.

iberiansportech.com/

Iskra Medical d.o.o. [Slovenia]
Iskra MEDICAL is a leading manufacturer of devices for medical, physiotherapy, rehabilitation, and aesthetic medicine. Currently, our production assortment includes the Electrotherapy, Ultrasound therapy, Vacuum therapy, Cryo Ionto therapy, Laser therapy, Pressure - Lymph Drainage, Magnetotherapy, Functional Magnetic Stimulation RMS, IPL - Intense Pulse Light, and IFR - Radio Frequency equipment and supplemental products. We constantly continue to broaden our family of quality medical in aesthetic products. The starting point in development of a new product is to study the intended purpose of the device, and consider the needs from practitioner’s point of view. The user-friendly operation, efficacy and safety are the main criteria in development.

iskramedical.eu

Ivolution Research & Development [Spain]
Ivolution Research & Development. Improving your life. It is a company sensitive to the problems that limit the health and wellness of a large number of people, putting all his knowledge and commitment to providing solutions for day to day. So, our expertise in exercise science is combined with the latest advances in technology to develop innovative devices 3.0, useful for the maintenance of health and wellness. Devices such as mobile phone, computer, or a simple MP3 player, daily inseparable companions, are treated as powerful allies to achieve a better wellness and a quality of life quality of life for its users.

www.ivolutionrd.com

Keiser Corporation [USA]
Changing the world of fitness At Keiser it is our passion to challenge the barriers of traditional thinking to continually expand the limits of human performance. Users of Keiser’s unique Pneumatic Technology have reaped the many benefits of our efforts. Whether it’s preparing an athlete for the heat of competition or simply providing a safe and effective method of exercise for all aspects of the medical and fitness market... Keiser makes the difference...

Keiser has always been at the cutting edge of the industry, and remains there today with a full range of products from elite testing equipment to providing rehabilitation machines, Keiser has it all.

www.keiser.com
Kistler Instrumente AG [Switzerland]

Kistler force plates were first introduced in 1969 and have consistently proved their worth as precise and reliable measuring instruments. The unique piezoelectric measuring system offers numerous advantages and makes Kistler force plates a cost effective investment for biomechanical laboratories. High accuracy, linearity and sensitivity provide reliable and reproducible results. Kistler Group is the market leader in dynamic measurement technology. 25 group companies and over 30 distributors worldwide ensure close contact with the customer, individualized application support and short lead times.

[www.kistler.com]

Lode B.V. [The Netherlands]

Lode is world renowned as manufacturer of high quality ergometers and ergometry software. The Lode brand stands for accuracy, durability and ergonomic design. For sports medicine a complete range of high tech bicycle, arm and treadmill ergometers and ergometry software are available. Products specifically designed for sports medicine ergometry are our Excalibur Sport bicycle ergometer with a workload up till 2500 Watt, Katana Sport treadmill with a max speed of 40 km/h and Brachimera Sport arm ergometer with a maximum workload of 2500 watt. LEM software with a.o. the Wingate test and Pedal Force Measurement completes the professional ergometry setting.

[www.lode.nl]

Manatec Biomedical/PhysioFlow [France]

PhysioFlow is a range of non invasive continuous cardiac output monitors based on a novel and proprietary technology: Signal Morphology Impedance Cardiography. PhysioFlow is the first and only system fully validated while at rest and during exercise at all levels. A new filter technology for high performance noise cancellation (HD-Z) is available. 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.

[www.physioflow.com]

Maxinutrition [UK]

Founded in 1985, Maxinutrition embodies the notion that through commitment and understanding, your physique and performance goals can be easily achieved. The UK’s number one sports nutrition supplier, Maxinutrition has grown at a phenomenal rate by focusing on highly effective research-supported formula that deliver what they promise. By making great tasting, science supported, safe products easily available, Maxinutrition has helped sports people - from the gym enthusiast to the elite Olympian - realise their full potential. Whether it’s helping you gain muscle, lose excess fat, recover faster, stay nourished, Maxinutrition has the widest selection of specialised products in its sector.

[www.gsk.com]

Mega ElectroNics Ltd [Finland]

Mega ElectroNics Ltd has developed advanced technology for EMG, ECG, HRV and EEG monitoring applications in hospital, laboratory and field conditions. Mega serves thousands of customers in top level hospitals and research laboratories such as Harvard medical school in Boston, USA, Zhejiang University in Hangzhou, China and HCL neurological hospital, Lyon France. 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.

[www.megaeogm.com]

MICROGATE SRL [Italy]

North-Italian company founded in 1989, deals daily with high technology challenges: performance/movement analysis, control systems for telescopes/radiotelescopes and professional timing.

The company provides various indoor/outdoor solutions for biomechanical/performance evaluation including:
- optical and video acquisition systems for gait and run analysis
- wireless devices and photocells for sprint/shuttle testing

[www.microgate.it]

MIE Medical Research Ltd. [UK]

MIE designs, manufactures and markets a range of human performance monitoring systems. Our latest products is a new range of telemetry and data loggers for measuring sEMG and other physical and physiological parameters. We are working very closely with Bertec and sell their force plates and instrumented treadmills. We have recently introduced ProVec, a universal force platform data collection and analysis software suite that allows multiple platforms to be used simultaneously. Other products include pinch/grip strength analysers, myometers, electrogoniometers and low cost gait analysis systems.

[www.mie-uk.com]

Mind Media B.V. [The Netherlands]

Mind Media offers innovative medical technology for measuring and training mind-body functions to improve human health and performance. Mind Media provides solutions for clinicians, health professionals and researchers who need to feedback the physiological activity of the human body and nervous system. Since its foundation, Mind Media has been creating leading edge products for biofeedback and neurofeedback. With NeXus systems and BiOTrace+ software, Mind Media is known as the best company of physiological feedback technology in the world. Mind Media products are distributed through a network of resellers in over 50 countries.

[www.mindmedia.info]

Monark Exercise AB [Sweden]

The New Generation bikes are released during 2013 and our mission is to set a new standard in Sports Perfect position precision.

With our LC/LT frame, anyone regardless of their sport or athletic interest, can find their perfect position. Open source compatibility:

The New Generation bikes are easy to adapt and operate both externally and internally. Easily connected to PC and ECG. Modern force resistance:

The New Generation resistance system has been developed to promote the best sensation of bicycling, accuracy in measurements and variation.

[www.monarkexercise.se]

myon AG [Switzerland]

myon was founded in 2009 to develop the myon hardware based on more than 10 years’ experience with EMG and wireless transmission technology. Together, myon and prophysics launched the EMG system and proEMG software in 2009, and we have since sold to more than a dozen countries worldwide. We pride ourselves on being customer-driven and flexible, and are therefore pleased to launch the next generation of the myon hardware as well as new versions of the proEMG and proACTIVE software packages - all developed as a direct result of feedback obtained from customers.

[www.myon.ch]

Northern Digital Inc. [Canada]

For over 30 years, Northern Digital Inc. motion capture systems have earned the reputation as the gold standard for motion capture among research scientists. With unparalleled accuracy, speed and resolution, the Optotrak Certus and 3D Investigator Systems will help you achieve your research goals. Both systems easily integrate with other research devices, ensuring true-synchronous collection of data that meets all your needs, and the “active” technology means you will never waste time sorting data points. Now Northern Digital Inc. also...
sets the new standard in force plate technology with TrueImpulse. TrueImpulse force plates provide superior performance and unique integration features without compromising affordability.

www.ndigital.com/

Novel GmbH [Germany]

Novel is the specialist in development of pressure distribution measurement systems. With more than 30 years of experience, our scientists and engineers set the benchmark for accuracy and reliability of pressure distribution measurement. Well-known major companies and prominent research institutions in medicine, biomechanics and industry worldwide rely on novel's technology.

www.novel.de

Novotec Medical GmbH [Germany]

Novotec Medical is the manufacturer of Galileo training- and therapy devices and of Leonardo motion analysis systems (mechanoigraphy). 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 recognised in recent years and investigated in numerous scientific studies. A fully-functioning powerful muscle is a prerequisite for healthy joints and bones that aim to prevent and facilitate treatment of musculoskeletal disorders.

www.galileo-training.com

Omegawave [Finland]

Based on research in sports science and space medicine, Omegawave provides leading methods for monitoring an athlete's functional condition. Omegawave provides instantly relevant advice on the optimum amount of intensity and volumes of training. By identifying an athlete's physiologically limiting factors and providing guidelines to eliminate them, Omegawave helps to improve performance, prevent overtraining, decrease injuries and improve fitness and overall health. Omegawave technology has been used by multiple Olympic Federations, premier soccer teams such as AFC Ajax, teams from the NFL, MLS, and NHL and various other leading sports organizations. The company's global headquarters are in Espoo, Finland.

www.omegawave.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 59.

www.paltechnologies.com

PowerBar Europe GmbH [Germany]

Our Goal. Our Passion. Our Mission. To excel in your sport or fitness endeavor, you have to set goals, be driven. You push hard. You strengthen your commitment. We play by the same rules. Commitment. Passion. And the push to help you succeed. We’re passionate about sports and fitness, health and wellness. That’s why we started POWERBAR to begin with—to help athletes like you reach your goals by providing convenient nutritional products. All of our products are backed by decades of sports nutrition science and must live up to our high standards to meet the nutrition and energy needs of all athletes—from world-

www.powerbar.com

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 very versatile piece of hardware. The Project Automation Framework (PAF) for QTM 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. Qualisys is

www.qualisys.com

RBM elektronik-automation GmbH

For more than 40 years sports medical scientists, sports physicians and top-class athletes rely on the innovative strength of the Cyclus2 in performance diagnostics and training. Whether as ergometer for standardized test methods or as all-year-round training device for the development of basic endurance, strength endurance as well as maximum strength - the Cyclus2 sets the benchmarks for ergometers in the cycling sector. Fitted with state-of-the-art electronic- and information technology solutions the Cyclus 2 provides excellent results and stands out due to its large variety in functionality and user friendliness.

www.cyclus2.com

Routledge/Taylor&Francis [UK]

Taylor & Francis is one of the world’s leading academic journals and books publishers with over 1,300 scholarly journals including the European Journal of Sport Science. We are dedicated to the dissemination of scholarly information, drawing on expertise developed since 1798. We publish over 1000 books on sport for teaching, research and reference, available in print and online, and are exhibiting 50 new titles this year. For further information on the latest journals and books, visit the Taylor & Francis/Routledge booth.

www.tandfonline.com

Sensamove [The Netherlands]

Sensamove is a young, dynamic and innovative company that develops and produces innovative interactive products for therapy, prevention and fitness. Currently Sensamove offers a number of measuring & exercising devices with basic and supplementary software packages for improving balance, core stability and coordination. Our mission is to make physical exercising more enjoyable and understandable. More fun for your client, transparent for you.

By combining conventional core stability training equipment with sensor technology and biofeedback software, Sensamove provides therapists and users with an insight-giving, comprehensible, effective and entertaining exercise tools.

www.sensamove.com/en
Simi Reality Motion Systems GmbH [Germany]
Simi develops, produces and distributes products for movement and behaviour analysis. The company’s products primarily rely on camera-based systems which use hardware such as industry cameras and computers. Our philosophy is to make video-based movement analysis data simple and transparent. A key feature in all products is the simplification of interpreting and presenting results. With rapid developments in camera technology, computers and image data processing, we have to be a dynamic company and work hand in hand with research and development to offer our customers the best products possible. This is something which we pride ourselves in.
www.sim.com

SM Europe EzyWrap [France]
Since 1998, SM Europe Company (Soft Medical Europe) positions on the logistics market of medical splints under the brand EzyWrap®. We took advantage of our core business and our closeness with the professionals of the high-level sport, to improve and develop a cooling vest, the Cryovest®.

It was in 2008 that the Cryovest equipped for the first time sportsmen in the Olympics Game of Beijing. Thanks to a lot of researches and studies, we have developed this product, while continuing to be partner of several sports Federation.
www.ezywrap.com

Springer Verlag GmbH [Germany]
Sports Medicine: The world’s leading journal in sports medicine – highest ISI impact factor for the last 2 years Articles cover:
  - sports medicine and sports science, including performance research
  - medical syndromes associated with sport and exercise
  - sports injury prevention and treatment
  - medical use of exercise for rehabilitation and health
  - application of physiological and biomechanical principles to specific sports
  - contentious or emerging issues, e.g. injuries in sport, nutrition, hydration, training etc.
Sports Medicine is a superb reference source for physicians, sports medicine specialists, physiotherapists, exercise physiologists, team doctors and trainers.
www.springer.com

T&T medilogic Medizintechnik GmbH [Germany]
Our Company mainly focuses on the field of biomechanics. A major point of interest are measurement, training and evaluation of the human supporting and locomotor system. Components of our company are in house research and development group as well as integrated production. The medilogic foot pressure measuring system serves to determine the pressure under the foot while walking or standing. It is the instrument for analysis in the field of foot and shoe care for the health professional and craftsman.
www.medilogic.com/en/home/

Tekscan, Inc. [USA]
Tekscan manufactures a broad range of tools for better pressure offloading and enhanced gait analysis. Our systems use paper-thin, high-resolution sensors to accurately measure plantar pressure distribution, timing and Center of Force (CoF) trajectory in dynamic evaluations. The unique information these systems provide helps you objectively validate treatments and improve outcomes.
www.tekscan.com

Velamed GmbH [Germany]
Velamed has been founded in 2005 with the goal to introduce technically innovative medical products of leading international manufacturers of biomechanics and sensor systems to the European market. The current product line includes market leading developments of the four main areas of biomechanics. Also Velamed has specialized in professional planning and realization of biomechanical laboratories. Velamed is European Master Distributor of Noraxon products.
www.velamed.com

Xsens Technologies B.V. [The Netherlands]
Xsens is the leading innovator in 3D motion tracking technology and products. Its sensor fusion technologies enable a seamless interaction between the physical and the digital world in consumer electronics devices and professional applications such as 3D character animation, motion analysis, and industrial control & stabilization. Clients and partners include Electronic Arts, NIK Universal, Daimler, Autodesk, Sagem (Safran Group), Siemens and various other leading institutes and companies throughout the world. Founded in 2000, Xsens is a privately held company with headquarters in Enschede, the Netherlands and a US subsidiary in Los Angeles, California.
www.xsens.com

YoYo Technology AB [Sweden]
For more than 20 years YoYo™ Technology Inc. has engineered innovative exercise machines for users demanding the most from their efforts. Established by inventors Drs. Berg and Tesh of the Karolinska Institute, the company serves professionals in sports, fitness and rehabilitation and the space industry. The trademark of YoYo™ products follows Swedish tradition of innovation, high quality products favoring functionality and simplicity. Any YoYo™ product uses light-weight flyWheels(s) rather than iron, as a source to defer resistance or power to feature unlimited, accomodated concentric resistance while allowing for eccentric overload.
yoyotechnology.com
LET’S MEET AGAIN AT

ECSS AMSTERDAM 2014

July 2 - 5, 2014

www.ecss-congress.eu/2014


hosted by
# Programme Overview: Wednesday 26th June 2013

<table>
<thead>
<tr>
<th>Time</th>
<th>Pavelló Sintètic</th>
<th>Sala d'Actes</th>
<th>Aula Magna 1</th>
<th>Aula Magna 2</th>
<th>Aula Magna 3</th>
<th>Aula Magna 4</th>
<th>Aula Magna 5</th>
<th>Aula 1</th>
<th>Aula 2</th>
<th>Aula 3</th>
<th>Aula 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>09:00 - 14:00</td>
<td>Workshops, Satellite symposia</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18:15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**IS** = Invited Sessions  
**OP** = Oral Presentations  
**PP** = e-poster Presentations
<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>PP-PM28</td>
<td>Nutrition [NU] 2</td>
<td>Sala d’Actes</td>
<td>PP-PM35</td>
<td>Physiology [PH] 2</td>
<td>Sala d’Actes</td>
</tr>
<tr>
<td>PP-PM39</td>
<td>Physiology [PH] 6</td>
<td>Aula Magna 1</td>
<td>PP-PM40</td>
<td>Physiology [PH] 7</td>
<td>Aula Magna 1</td>
</tr>
<tr>
<td>PP-PM45</td>
<td>Physiology [PH] 12</td>
<td>Aula Magna 2</td>
<td>PP-PM46</td>
<td>Physiology [PH] 13</td>
<td>Aula Magna 2</td>
</tr>
<tr>
<td>PP-PM51</td>
<td>Physiology [PH] 18</td>
<td>Aula Magna 3</td>
<td>PP-PM54</td>
<td>Rehabilitation [RE] 1</td>
<td>Aula Magna 3</td>
</tr>
<tr>
<td>PP-PM36</td>
<td>Health and Fitness [HF] 10</td>
<td>Aula 1</td>
<td>PP-PM17</td>
<td>Health and Fitness [HF] 11</td>
<td>Aula 1</td>
</tr>
<tr>
<td>PP-PM07</td>
<td>Health and Fitness [HF] 1</td>
<td>Aula 2</td>
<td>PP-PM08</td>
<td>Health and Fitness [HF] 2</td>
<td>Aula 2</td>
</tr>
<tr>
<td>PP-PM05</td>
<td>Biochemistry [BC] 1</td>
<td>Aula 3</td>
<td>PP-PM01</td>
<td>Adapted Physical Activity [AP] 1</td>
<td>Aula 3</td>
</tr>
<tr>
<td>PP-PM21</td>
<td>Molecular Biology [MB] 1</td>
<td>Aula 4</td>
<td>PP-PM23</td>
<td>Neuromuscular Physiology [PH] 1</td>
<td>Aula 4</td>
</tr>
<tr>
<td>PP-PM27</td>
<td>Nutrition [NU] 1</td>
<td>Aula informàtica 1</td>
<td>PP-PM34</td>
<td>Physiology [PH] 1</td>
<td>Aula informàtica 1</td>
</tr>
<tr>
<td>PP-PM79</td>
<td>Training and Testing [TT] 14</td>
<td>Aula esportiva 1</td>
<td>PP-PM80</td>
<td>Training and Testing [TT] 15</td>
<td>Aula esportiva 1</td>
</tr>
<tr>
<td>PP-BN02</td>
<td>Biomechanics [BM] 2</td>
<td>Aula esportiva 2</td>
<td>PP-BN01</td>
<td>Biomechanics [BM] 1</td>
<td>Aula esportiva 2</td>
</tr>
<tr>
<td>PP-BN04</td>
<td>Biomechanics [BM] 4</td>
<td>Aula PP1</td>
<td>PP-SH22</td>
<td>Sport Statistics and Analyses [SA] 1</td>
<td>Aula PP1</td>
</tr>
<tr>
<td>PP-SH01</td>
<td>Misc. topics 1</td>
<td>Aula PS1</td>
<td>PP-SH25</td>
<td>Misc. topics 2</td>
<td>Aula PS1</td>
</tr>
<tr>
<td>PP-SH03</td>
<td>Physical Education and Pedagogics [PP] 1</td>
<td>Aula PS2</td>
<td>PP-SH08</td>
<td>Psychology [PS] 1</td>
<td>Aula PS2</td>
</tr>
<tr>
<td>PP-SH17</td>
<td>Sociology [SO] 1</td>
<td>Sala professorat 1</td>
<td>PP-SH38</td>
<td>Sociology [SO] 2</td>
<td>Sala professorat 1</td>
</tr>
<tr>
<td>PP-BN05</td>
<td>Biomechanics [BM] 5</td>
<td>Sala professorat 2</td>
<td>PP-SH20</td>
<td>Sport Management [SP] 1</td>
<td>Sala professorat 2</td>
</tr>
</tbody>
</table>
## Programme Overview: Thursday 27th June 2013

<table>
<thead>
<tr>
<th>Time</th>
<th>Pavelló Sintètic</th>
<th>Sala d’Actes</th>
<th>Aula Magna 1</th>
<th>Aula Magna 2</th>
<th>Aula Magna 3</th>
<th>Aula Magna 4</th>
<th>Aula Magna 5</th>
<th>Aula 1</th>
<th>Aula 2</th>
<th>Aula 3</th>
<th>Aula 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00</td>
<td>OP-PM49 Training and Testing [TT] 1</td>
<td>OP-PM24 Physiology [PH] 2</td>
<td>OP-PM35 Motor Learning [ML] 2</td>
<td>OP-SH03 Transitions and strategies in top level sport</td>
<td>IS-SH02 Transitions and strategies in top level sport</td>
<td>IS-SH05 The impact of sport for all policies on elite sporting success</td>
<td>IS-PM09 Coaching [CO] 1</td>
<td>OP-SH09 Towards a theory of sports coaching</td>
<td>IS-SH03 Findings from the PAPA main trial</td>
<td>OP-SH13 Sport Management [SM] 2</td>
<td>OP-PM34 Biomechanics [BM] 1</td>
</tr>
<tr>
<td>11:00</td>
<td>OP-PM34 Motor Learning [ML] 1</td>
<td>OP-SH02 Transitions and strategies in top level sport</td>
<td>OP-SH01 Misc. topics [ECSS] &amp; [HP]</td>
<td>OP-SH03 Transitions and strategies in top level sport</td>
<td>IS-PM22 Nutrition [NU] 3</td>
<td>IS-PM29 Oxygenation and fatigue in humans *</td>
<td>IS-PM07 Physiology [PH] 8</td>
<td>OP-SH06 Physiology [PH] 2</td>
<td>IS-PM28 Physiology [PH] 9</td>
<td>IS-PM30 The impact of sport for all policies on elite sporting success</td>
<td>IS-SH03 Findings from the PAPA main trial</td>
</tr>
</tbody>
</table>

**Break**

**Lunch break (ESSA-ECSS Best Research Poster Exchange - Exhibition Area)**

**Mini Oral Sessions Slot A: 14:00 - 15:00 (Overview on the left page)**

**Mini Oral Sessions Slot B: 15:00 - 16:00 (Overview on the left page)**

**Coffee break**
**Mini Oral Sessions: Friday 28th June 2013**

<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>PP-PM29</td>
<td>Nutrition [NU] 3</td>
<td>Pavelló Sintètic</td>
<td>PP-PM30</td>
<td>Nutrition [NU] 4</td>
<td>Pavelló Sintètic</td>
</tr>
<tr>
<td>PP-PM36</td>
<td>Physiology [PH] 3</td>
<td>Sala d’Actes</td>
<td>PP-PM37</td>
<td>Physiology [PH] 4</td>
<td>Sala d’Actes</td>
</tr>
<tr>
<td>PP-PM41</td>
<td>Physiology [PH] 8</td>
<td>Aula Magna 1</td>
<td>PP-PM42</td>
<td>Physiology [PH] 9</td>
<td>Aula Magna 1</td>
</tr>
<tr>
<td>PP-PM47</td>
<td>Physiology [PH] 14</td>
<td>Aula Magna 2</td>
<td>PP-PM48</td>
<td>Physiology [PH] 15</td>
<td>Aula Magna 2</td>
</tr>
<tr>
<td>PP-PM55</td>
<td>Rehabilitation [RE] 2</td>
<td>Aula Magna 3</td>
<td>PP-PM56</td>
<td>Rehabilitation [RE] 3</td>
<td>Aula Magna 3</td>
</tr>
<tr>
<td>PP-PM18</td>
<td>Health and Fitness [HF] 12</td>
<td>Aula 1</td>
<td>PP-PM19</td>
<td>Health and Fitness [HF] 13</td>
<td>Aula 1</td>
</tr>
<tr>
<td>PP-PM09</td>
<td>Health and Fitness [HF] 3</td>
<td>Aula 2</td>
<td>PP-PM10</td>
<td>Health and Fitness [HF] 4</td>
<td>Aula 2</td>
</tr>
<tr>
<td>PP-PM02</td>
<td>Adapted Physical Activity [AP] 2</td>
<td>Aula 3</td>
<td>PP-PM03</td>
<td>Adapted Physical Activity [AP] 3</td>
<td>Aula 3</td>
</tr>
<tr>
<td>PP-PM24</td>
<td>Neuromuscular Physiology [PH] 2</td>
<td>Aula 4</td>
<td>PP-PM25</td>
<td>Neuromuscular Physiology [PH] 3</td>
<td>Aula 4</td>
</tr>
<tr>
<td>PP-PM69</td>
<td>Training and Testing [TT] 4</td>
<td>Aula informàtica 1</td>
<td>PP-PM70</td>
<td>Training and Testing [TT] 5</td>
<td>Aula informàtica 1</td>
</tr>
<tr>
<td>PP-PM75</td>
<td>Training and Testing [TT] 10</td>
<td>Aula ritmica</td>
<td>PP-PM76</td>
<td>Training and Testing [TT] 11</td>
<td>Aula ritmica</td>
</tr>
<tr>
<td>PP-PM81</td>
<td>Training and Testing [TT] 16</td>
<td>Aula esportiva 1</td>
<td>PP-PM82</td>
<td>Training and Testing [TT] 17</td>
<td>Aula esportiva 1</td>
</tr>
<tr>
<td>PP-BN03</td>
<td>Biomechanics [BM] 3</td>
<td>Aula esportiva 2</td>
<td>PP-PM85</td>
<td>Training and Testing [TT] 20</td>
<td>Aula esportiva 2</td>
</tr>
<tr>
<td>PP-BN06</td>
<td>Biomechanics [BM] 6</td>
<td>Aula PP1</td>
<td>PP-BN07</td>
<td>Biomechanics [BM] 7</td>
<td>Aula PP1</td>
</tr>
<tr>
<td>PP-SH04</td>
<td>Physical Education and Pedagogics [PP] 2</td>
<td>Aula PP1</td>
<td>PP-SH05</td>
<td>Physical Education and Pedagogics [PP] 3</td>
<td>Aula PP1</td>
</tr>
<tr>
<td>PP-SH09</td>
<td>Psychology [PS] 2</td>
<td>Aula PS2</td>
<td>PP-SH10</td>
<td>Psychology [PS] 3</td>
<td>Aula PS2</td>
</tr>
<tr>
<td>PP-SH13</td>
<td>Psychology [PS] 6</td>
<td>Sala professorat 1</td>
<td>PP-SH14</td>
<td>Psychology [PS] 7</td>
<td>Sala professorat 1</td>
</tr>
<tr>
<td>PP-SH21</td>
<td>Sport Management [SP] 2</td>
<td>Sala professorat 2</td>
<td>PP-SH23</td>
<td>Sport Statistics and Analyses [SA] 2</td>
<td>Sala professorat 2</td>
</tr>
</tbody>
</table>
# Programme Overview: Friday 28th June 2013

<table>
<thead>
<tr>
<th>Time</th>
<th>Pavelló Síntetic</th>
<th>Sala d'Actes</th>
<th>Aula Magna 1</th>
<th>Aula Magna 2</th>
<th>Aula Magna 3</th>
<th>Aula Magna 4</th>
<th>Aula Magna 5</th>
<th>Aula 1</th>
<th>Aula 2</th>
<th>Aula 3</th>
<th>Aula 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00</td>
<td>Coffee break, Opening of Exhibition</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:50</td>
<td>Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:00</td>
<td>Plenary Session 3: The choreography of movement and the brain (Pavelló Síntetic)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:00</td>
<td>Mini Oral Sessions Slot A: 14:00 - 15:00 (Overview on the left page)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:00</td>
<td>Mini Oral Sessions Slot B: 15:00 - 16:00 (Overview on the left page)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:00</td>
<td>Coffee break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Friday night out - ECSS Barcelona 2013 (Meet at Placa Reial)**
## Mini Oral Sessions: Saturday 29th June 2013

<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>PP-PM38</td>
<td>Physiology [PH] 5</td>
<td>Sala d’Actes</td>
<td>PP-PM33</td>
<td>Nutrition [NU] 7</td>
<td>Sala d’Actes</td>
</tr>
<tr>
<td>PP-PM43</td>
<td>Physiology [PH] 10</td>
<td>Aula Magna 1</td>
<td>PP-PM44</td>
<td>Physiology [PH] 11</td>
<td>Aula Magna 1</td>
</tr>
<tr>
<td>PP-PM49</td>
<td>Physiology [PH] 17</td>
<td>Aula Magna 2</td>
<td>PP-PM50</td>
<td>Physiology [PH] 16</td>
<td>Aula Magna 2</td>
</tr>
<tr>
<td>PP-PM52</td>
<td>Physiotherapy [PT] 1</td>
<td>Aula Magna 3</td>
<td>PP-PM53</td>
<td>Misc. topics 4</td>
<td>Aula Magna 3</td>
</tr>
<tr>
<td>PP-PM20</td>
<td>Health and Fitness [HF] 14</td>
<td>Aula 1</td>
<td>PP-PM06</td>
<td>Biochemistry [BC] 2</td>
<td>Aula 1</td>
</tr>
<tr>
<td>PP-PM11</td>
<td>Health and Fitness [HF] 5</td>
<td>Aula 2</td>
<td>PP-PM12</td>
<td>Health and Fitness [HF] 6</td>
<td>Aula 2</td>
</tr>
<tr>
<td>PP-PM04</td>
<td>Adapted Physical Activity [AP] 4</td>
<td>Aula 3</td>
<td>PP-PM22</td>
<td>Molecular Biology [MB] 2</td>
<td>Aula 3</td>
</tr>
<tr>
<td>PP-PM26</td>
<td>Neuromuscular Physiology [PH] 4</td>
<td>Aula 4</td>
<td>PP-PM67</td>
<td>Training and Testing [TT] 2</td>
<td>Aula 4</td>
</tr>
<tr>
<td>PP-PM71</td>
<td>Training and Testing [TT] 6</td>
<td>Aula informática 1</td>
<td>PP-PM72</td>
<td>Training and Testing [TT] 7</td>
<td>Aula informática 1</td>
</tr>
<tr>
<td>PP-PM83</td>
<td>Training and Testing [TT] 18</td>
<td>Aula esportiva 1</td>
<td>PP-PM84</td>
<td>Training and Testing [TT] 19</td>
<td>Aula esportiva 1</td>
</tr>
<tr>
<td>PP-PM86</td>
<td>Training and Testing [TT] 21</td>
<td>Aula esportiva 2</td>
<td>PP-PM87</td>
<td>Misc. topics 3</td>
<td>Aula esportiva 2</td>
</tr>
<tr>
<td>PP-BN08</td>
<td>Biomechanics [BM] 8</td>
<td>Aula PP1</td>
<td>PP-BN09</td>
<td>Biomechanics [BM] 9</td>
<td>Aula PP1</td>
</tr>
<tr>
<td>PP-SH06</td>
<td>Physical Education and Pedagogics [PP] 4</td>
<td>Aula PS1</td>
<td>PP-SH07</td>
<td>Physical Education and Pedagogics [PP] 5</td>
<td>Aula PS1</td>
</tr>
<tr>
<td>PP-SH15</td>
<td>Psychology [PS] 8</td>
<td>Sala professorat 1</td>
<td>PP-SH16</td>
<td>Misc. topics 3</td>
<td>Sala professorat 1</td>
</tr>
<tr>
<td>PP-SH24</td>
<td>Sport Statistics and Analyses [SA] 3</td>
<td>Sala professorat 2</td>
<td>PP-SH19</td>
<td>Sociology [SO] 3</td>
<td>Sala professorat 2</td>
</tr>
<tr>
<td>Time</td>
<td>Pavelló Sintètic</td>
<td>Sala d’Actes</td>
<td>Aula Magna 1</td>
<td>Aula Magna 2</td>
<td>Aula Magna 3</td>
</tr>
<tr>
<td>--------</td>
<td>------------------</td>
<td>--------------</td>
<td>--------------</td>
<td>--------------</td>
<td>--------------</td>
</tr>
<tr>
<td>08:30</td>
<td>OP-PM53</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Training and Testing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>[TT] 7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Coffee break, Opening of Exhibition</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:20</td>
<td>OP-PM54</td>
<td>OP-PM29</td>
<td>IS-PM05</td>
<td>OP-PM10</td>
<td>OP-PM37</td>
</tr>
<tr>
<td>11:50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Plenary Session 4: Rehabilitation through exercise * (Pavelló Sintètic)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lunch break</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mini Oral Sessions Slot A: 14:00 - 15:00 (Overview on the left page)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mini Oral Sessions Slot B: 15:00 - 16:00 (Overview on the left page)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Honorary Lecture: Bengt Saltin (Pavelló Sintètic): Streaming to Sala d’Actes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:45</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>YIA presentations (Pavelló Sintètic): Streaming to Sala d’Actes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Presidential Lecture: Marco Narici (Pavelló Sintètic): Streaming to Sala d’Actes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18:45</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>YIA Award (Pavelló Sintètic): Streaming to Sala d’Actes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19:15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Closing Ceremony (Pavelló Sintètic): Streaming to Sala d’Actes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ECSS Congress Party (Placa d’Europa - right next to INEFC)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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.

Qatar Orthopaedic & Sports Medicine Hospital
PO BOX 29222
Doha - Qatar
T: +974 4413 2000
F: +974 4413 2020
W: www.aspetar.com

Aspetar
inspired by aspire®
Technology Leader in Exercise and Testing

Smart Solutions Speeds up Your Time to Publish.
The HUR Smart Card Controlled Equipment together with
HUR Labs Testing Products offer you a complete Exercise
and Testing Environment. The Smart Card system
Automatically Controls the machines and you get a full
report on what the person has been doing. The system
automatically estimates the one rep maximum an
increases the load as the person progresses.

The HUR Labs portable testing systems offer you
testing products and software with scientific
accuracy in field conditions. This includes testing
of Balance, Jump performance, Strength and
Cardiovascular Capacity and Body Composition.

Feel free to contact us for additional information.

Smart Card controlled exercise equipment
Easy Access Line Wheelchair accessible

www.hur.fi www.hurlabs.com

supported by SPORtools
Data management in sports