Sustainable Sport

20th Annual Congress of the European College of Sport Science
ECSS Malmö 2015 – Sweden, 24 – 27 June

Final Programme

Hosted by the
Malmö University, Lund University & Copenhagen University
Welcome to Malmö

Dear congress participant,

On behalf of the Department of Sport Science, Malmö University, Sweden, the Department of Health Sciences, Lund University, Sweden, and the Department of Nutrition, Exercise and Sport, University of Copenhagen, Denmark, it is our pleasure to invite you to attend the 20th Annual Congress of the European College of Sport Science – ECSS Malmö 2015. The multidisciplinary ECSS Congress will be celebrating its 20th anniversary. The 2015 congress theme of Sustainable Sport will permeate the academic programme as well as the arrangements: the three universities co-hosting the event all emphasis sustainability.

In education and research, and will work together with the City of Malmö, a fair trade city, to make ECSS 2015 a sustainable sport congress. The ECSS congress especially emphasises exchange of knowledge through oral and mini-oral presentations, and we are convinced that all attendees will find interesting topics and participate in creating new knowledge within the broad field of Sport Sciences. Once again, the Young Investigators Award will be one of the highlights of the congress. We look forward to seeing you all in Malmö and the Öresund Region, an area with tremendous social, political, and economic potential in the area of sustainability. Together, we will create an outstanding congress, where we shall develop the broad perspective of sustainable sport.

Susanna Hedenborg & Aage Radman, Congress Presidents
Organization

Congress Presidents
- Aage Radmann (SWE)
- Susanna Hedenborg (SWE)

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

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

ECSS Scientific Committee
- Natalia Balague (ESP)
- Wilhelm Bloch (GER)
- Annalisa Cogo (ITA)
- Wim Derave (BEL)
- Peter Federolf (NOR)
- Taija Finni (FIN)
- Daniel Green, FECS (GBR)
- Michael Grey (GBR)
- Markus Gruber (GER)
- Jarn Wulf Heige (DEN)
- Ylva Helgsten (DEN)
- Pierre-Nicolas Lemyre, (NOR)
- Johannes van Lieshout, (NED)
- Mike McNamee, FECS (GBR)
- Maria Francesca Placentini (ITA)
- Afroditi Stathi (GBR)
- Cecile Thogersen-Ntoumani (AUS)
- Janice L. Thompson (GBR)

ECSS Office
- Thomas Delaveaux (GER)
- Elias Tsolakidis (GRE)
- Stelien Neubert (GER)
- Juliane Melber (GER)
- Tuula Hokkanen (FIN)

Organizing Committee
- Jan-Eric Ekberg (SWE)
- Per Eriksson (SWE)
- Jenny Damaaard (SWE)
- Christopher Johansson (SWE)
- Annika Larsson (SWE)
- Mikaela Farnqvist (SWE)
- Joakim Åkesson (SWE)

Chairs Local Scientific Committee
- Susanna Hedenborg (SWE)

Biomechanics and Neurology
- Anna Maria Drake (SWE)

Physiology and Sport Medicine
- Jens Bangsbo (DEN)

Social Sciences and Humanities
- Aage Radmann (SWE)

Local Scientific Committee
- Eva Ageberg (SWE)
- Bo Carlson (SWE)
- Urban Johnson (SWE)
- Tomas Peterson (SWE)
- Gertrud Pfister (DEN)
- Per Nilsson (SWE)
- Johan Norberg (SWE)
- Jens Bangsbo (SWE)
- Nikolai Nordsborg (DEN)
- Ingrid Svensson (SWE)
- Aage Radmann (SWE)

Additional reviewers
- Ingrid Svensson (SWE)
- Andreas Jacobsson (SWE)
- Anna Maria Drake (SWE)
- Åsa Tornberg (SWE)
- Birgitta Haier (DEN)
- Elisabeth Apelmo (SWE)
- Eva Ageberg (SWE)
- Eva Hornej (SWE)
- Frida Eek (SWE)
- Gerald Gems (USA)
- Hanna Isaksson (SWE)
- Hans Hoppeler (SUI)
- Henrik Gustavsson (SWE)
- Ingegerd Ericsson (SWE)
- Ingrid Svensson (SWE)
- Jan Lexell (SWE)
- Jan-Eric Ekberg (SWE)
- Jenny Wikman (SWE)
- Jesper Fundberg (SWE)
- Jesper Lövind Andersen (DEN)
- Jesper Lundbye Jensen (DEN)
- Joakim Åkesson (SWE)
- Jyri Backman (SWE)
- Karin Book (SWE)
- Kasper Skriver (DEN)
- Katja Heinemeier (DEN)
- Kelly Kneze (SWE)
- Kufte Jönsson (SWE)
- Lars Holm (DEN)
- Lasse Christiansen (DEN)
- Lasse Glemann Hybsholt (DEN)
- Mark Andersen (SWE)
- Michael Nyberg (DEN)
- Mikael Lendos (SWE)
- Mogens Theisen Pedersen (DEN)
- Natalia Stambulova (SWE)
- Per Wollmer (SWE)
- Peter Magnusson (SWE)
- Peter Møller Christensen (DEN)
- Richard Thomas (DEN)
- Simon Graner (SWE)
- Sofia Bunka (SWE)
- Stephen Fritzdorf (SWE)
- Svend Sparre Gertsen (DEN)
- Sverker Fryklund (SWE)
- Torbjörn Andersson (SWE)
- Torsten Buhre (SWE)
- Wade Kneze (SWE)

Head of Volunteers
- Annika Larsson (SWE)
General Information

VENUE
Clarion Hotel & Congress Malmö Live Malmö Live is only a two minute walk away from Malmö main station. The building is a sustainable, green project.
Clarion Hotel & Congress Malmö Live
Dag Hammarskjölds torg 2 211 18
Malmö Sweden
Telefon: +46 40 20 75 00

CONGRESS OFFICE AND REGISTRATION
The congress registration desks are located right of the main entrance at the ground floor facing the hotel registration desk.
Opening hours are:
- Wednesday, June 24th 8.30 to 18.00 hrs
- Thursday, June 25th 8.30 to 18.00 hrs
- Friday, June 26th 8.30 to 18.00 hrs
- Saturday, June 27th 8.30 to 16.00 hrs

REGISTRATION FEES INCLUDE
Registration fee for participants includes:
- Admission to all scientific sessions
- Admission to exhibition
- Admission to the Opening Ceremony
- Admission to the Opening Reception*
- Congress material (Congress Bag, Final Programme - in print, Book of Abstracts – print on demand EUR 25*/ EUR 35 on site)
- Coffee or tea breaks(6) and lunches(3)* at the congress venue*
- Admission to the Closing Ceremony
- Admission to the Congress Party*
  *pre-booking required

Registration fee for accompanying persons includes:
- Admission to exhibition
- Admission to the Opening Ceremony
- Admission to the Opening Reception*
- Congress material (Congress Bag, Final Programme - in print, Book of Abstracts – print on demand EUR 25*/ EUR 35 on site)
- Coffee or tea breaks(6) and lunches(3)* at the congress venue*
- Admission to the Closing Ceremony
- Admission to the Congress Party*
  *pre-booking required.

Please note that accompanying persons don’t have admission to scientific sessions

Registration fee for additional exhibitors (minimum two free delegates per company) includes:
- Admission to all scientific sessions
- Admission to exhibition
- Admission to the Opening Ceremony
- Admission to the Opening Reception*
- Congress material (Congress Bag, Final Programme - in print, Book of Abstracts – print on demand EUR 25*/ EUR 35 on site)
- Coffee or tea breaks(6) and lunches(3)* at the congress venue*
- Admission to the Closing Ceremony
- Admission to the 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 can be identified by the light green T-shirt with the ECSS logo and congress logo.
General Information

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 Sustainable Sport.

In addition a large number of oral presentations, mini-oral presentations and e-posters not debated complete the programme.

1592 abstracts have been accepted and allocated as follows:
- 1 Bengt Saltin Tribute Symposium with 5 presentations
- 4 plenary sessions with 8 presentations
- 37 invited symposia with 115 presentations
- 113 Oral sessions with 584 presentations
- 64 Mini-Oral sessions with 483 presentations
- 401 e-posters

Young Investigators Award (YIA)

The ECSS has received 355 applications for this year’s YIA. Out of those 355 applications 120 have met the administrative requirements for the YIA and based on thorough review entered the final stage of the competition. They will present their papers in front of the jury in Malmö.

The applicants are contending for 20 prizes (10 oral and 10 mini-oral). The Scientific Board and Committee will select the 10 best presentations for each category. Four finalists of the oral presentations will present their papers again. They will have 15 minutes each: 10 minutes presentation time and 5 minutes to answer questions of the Scientific Board and/or Scientific Committee at the Closing Ceremony on Saturday, June 27th.

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 26th 2015 at the ECSS congress booth next to the registration desk.
- They will be invited to join the YIA-Cocktail to take place in the evening on Friday, June 26th 2015.
- 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 27th, commencing at 16.00h.
- Prize winners who do not attend and accept their prize within the framework of the YIA Ceremony on Saturday, June 27th 2015 cannot be considered for the award prize.

Prize Money

Generous cash prizes will be provided for the finalists.

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

Mini-Oral Presentations
- 1st - Euro 3,000,-
- 2nd - Euro 2,000,-
- 3rd - Euro 1,000,-
- 4th - Euro 500,-
- Equal 5th - Euro 300,-
PRESENTATION REGULATIONS AND SPEAKERS READY ROOM

Before
The Speakers Ready Room is located on the ground floor, room Live 11. Please locate your lecture hall well in advance of your session and familiarize yourself with the setup. Invited and oral presentation format is PowerPoint. All PowerPoint presentations must be preloaded in the Speakers Ready Room. This must be done the day before your session and as early as possible on Wednesday for sessions on that day. Once at your session/hall - please check that the file is available on the pc and that it is functional. Note that using private laptops is not allowed. All presenters must be available at the respective lecture hall 15 minutes before the session starts. Please introduce yourself to the Chair. There will be one or two Malmö volunteers in each lecture hall who can help with logistics, IT and timing of presentations.

During
The Chair will introduce you and call you to speak (name, institution, title of presentation, and if the speaker is running for YIA). Please practice to keep to the exact timeline of the session:
• 10 min presentation
• 5 min discussion
A Malmö volunteer will show you (and the Chair) a yellow card at 9 minutes and a red card at 10 minutes, in order to guide you with respect to the timeline of the presentation. When necessary, a red card will be shown to you again after the allocated 10 minutes, in order to advise you and the Chair to move on to the next presentation.

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

Mini-Oral Sessions

Before
Mini-oral sessions require the pre-upload of the presentation in pdf format (4 slides only) in landscape (horizontal). The presentation time is 2 minutes plus 2 minutes questions and answers. The presentation must be pre-uploaded right in advance of the congress via your ECSS account (deadline 15th of June 2015). Please locate the lecture room of your mini-oral session right in advance. Once at your session please check if the file of your presentation is available on the pc and that it is functional. Introduce yourself to your session Chair(s). Be present at least 10 minutes before your session starts.

During
The Chair introduces the speakers (name, institution, title of presentation, and if the speaker is running for YIA). Please practice to keep to the exact timeline of the session:
• 2 minutes presentation
• 2 minutes discussion
The Chair will initiate discussion allowing the audience to pose questions first.

After
Please leave the room soon after the end of the mini-oral session as there may be a session following shortly after.

CONGRESS LANGUAGE

The official congress language is English. No simultaneous translation will be provided.

MEALS AND COFFEE BREAKS

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

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

BADGES

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

TRANSPORTATION

The city of Malmö is easily accessible via plane from Copenhagen Airport, via train from elsewhere in Scandinavia and from middle Europe and via car from Scandinavia and Europe. The sustainable city of Malmö emphasises...
green values and environmental friendly solutions in travelling and getting around the city. Everything is within a walking distance and in Malmö biking is a popular way to get around. The city is full of good biking routes and it really is the best way to get to know the city. Please check bike rental possibilities here: http://ecss-congress.eu/2015/15/index.php/travel-and-accommodation/travel-information

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

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

TECHNICAL EXHIBITION
The technical exhibition is located on the ground and first floor. The opening hours, at which exhibitors’ attendance is mandatory, are:
• Wednesday June 24th 10:00 to 17:30 hrs and 19:30 – 20:30 hrs (during opening reception)
• Thursday June 25th 10:00 to 16:30 hrs
• Friday June 26th 10:00 to 16:30 hrs

TOURIST INFORMATION
Malmö is situated in southern Sweden in Skane region, it is easily accessible via air, rail and road from all over the world. City of Malmö is also part of the big Oresund region, which is joined by the metropolitan city of Copenhagen. The bridge between Malmö and Copenhagen is one of the biggest constructions in Europe and it guarantees a short 15 minute drive from Malmö to Copenhagen. The city of Malmö is a commercial center of southern Sweden, it has gone through a great transition from old industrial city to a city of knowledge, spiced up with over 170 nationalities. Many companies in the area are creating state-of-art technological solutions together with the colleges, science parks and the university.

The city of Malmö is striving from its sustainability. It is extremely important issue all around Sweden and the city of Malmö has done great measures to enhance the livability and sustainability within the city and the guests in Malmö are also recommended to participate. Enjoying the atmosphere in Malmö includes enjoying the sustainable options provided:
- Drink pure and tasty Swedish tap water
- Recycle accordingly
- Cycle, walk and use public transportation
- Try out the different restaurant options – vegetarian alternative is a must as well
- Check out the organic and ethically labelled shops – you won’t be disappointed

There will be a mobile tourist office located at the square outside Malmö Live every day during the congress from 12.00 – 14.00. They will answer your questions about Malmö and give tips what to do in the city. They also have maps and brochures for you.

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

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

Opening Reception (pre-booking required)
The Opening Ceremony will be followed by an Opening Reception, which is also the official opening of the exhibition, with some finger food and drinks.

ECSS General Assembly
All ECSS members are invited to join the ECSS General Assembly to get informed of the latest facts and figures and the development of the society. Wednesday, 24th June 2015, 11:00-12:00, room: Live 3

Closing Ceremony
The Closing Ceremony will immediately follow the Young Investigators Awards and will feature Thanks and Goodbye from Malmö and a presentation from the 21st Annual Congress ECSS Vienna 2016 in Austria.

ECSS Congress Party (pre-booking required)
The Congress Party will take place in Moriska Paviljongen in Folkets Park on Saturday night. It will be the time to celebrate the 20th anniversary congress of the ECSS and dancing will be compulsory.
**Congress Exhibitors**

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<thead>
<tr>
<th>Exhibit Number</th>
<th>Company Name</th>
<th>Description</th>
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<td>056</td>
<td>1080 Motion AB</td>
<td>1080 Sprint and 1080 Quantum</td>
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<td>012</td>
<td>ActiGraph</td>
<td>Objective physical activity monitoring hardware and software</td>
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<td>061</td>
<td>ANT Neuro b.v.</td>
<td>eegosports - ultra-mobile eeg &amp; emg acquisition platform</td>
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<td>034</td>
<td>Artinis Medical Systems B.V.</td>
<td>Optical imaging and oxygenation measurements</td>
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<td>037</td>
<td>Aspetar</td>
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<td>QATAR</td>
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<td>035</td>
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<td>High-quality scientific tools</td>
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<td>063</td>
<td>Broderiet i Kungsbacka AB/New Wave</td>
<td>Official ECSS Malmö 2015 outfitter - T-shirts, promotional clothing, merchandise</td>
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<td>Profile</td>
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<td>CamNtech Ltd.</td>
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<td>025</td>
<td>CareFusion Germany 234 GmbH</td>
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<td>043</td>
<td>Catapult Sports Pty Ltd</td>
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<td>059b</td>
<td>CliniLab/Brain Products</td>
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<td>016</td>
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<td>046</td>
<td>Delsys Inc.</td>
<td>Surface Electromyography (sEMG), Surface Decomposition EMG (sDEMG) and complimentary Biosignal Systems</td>
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<td>047</td>
<td>Kistler Instrumente AG</td>
<td>Force Plates, Force and Acceleration Sensors, Software for Performance and Balance analysis</td>
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<td>032</td>
<td>Lode B.V.</td>
<td>Bicycle and treadmill ergometers and ergometry software</td>
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<td>MICROGATE SRL</td>
<td>Systems for training and performance evaluation</td>
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<td>PAL Technologies Ltd</td>
<td>activPAL™ - clinical tools for quantifying sedentary, upright and ambulatory activities and behaviour</td>
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<td>PhysioFlow / Manatec Biomedical</td>
<td>A unique range of noninvasive cardiac output monitors</td>
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<td>PowerBar Premium Sports Nutrition</td>
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<td>043</td>
<td>PowerBreathe International Ltd</td>
<td>Inspiratory Muscle Training, Better Breathing and Altitude Simulation Training</td>
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<td>RBM elektronik-automation GmbH</td>
<td>Cyclus2 - The Ergometer for Pros - performance diagnostics and training on your own bike</td>
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Exhibition & Lecture Rooms - Ground floor
**Scientific Programme**

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- **Oral Presentations** ............................... 18
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  - Friday, June 26th ............................... 25
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Plenary sessions

Wednesday, June 24th, 2015
16:45 - 18:00
PS-PL01 CHANCES AND CHALLENGES FOR PHYSICAL ACTIVITY AND LEARNING - SUSTAINABLE MOVEMENTS AND MOVEMENT CULTURES
LECTURE ROOM: HIGH LIVE 1
Chair(s):
Schneider, A. [Canada]
Søgaard, K. [Denmark]
PS-PL01-1
EXERCISE, LEARNING AND MEMORY
Nielsen, J. [Denmark]
PS-PL01-2
SPORT SCIENCE AND THE IDEA OF THE OBESITY CRISIS: A MEMETIC CONSIDERATION
Tinning, R. [Australia]

Thursday, June 25th, 2015
12:00 - 13:15
PS-PL02 FROM THE CRADLE TO THE GRAVE - SPORT AND PHYSICAL ACTIVITY FOR A SUSTAINABLE BODY
LECTURE ROOM: HIGH LIVE 1
Chair(s):
Bangsbo, J. [Denmark]
Pfister, G. [Denmark]
PS-PL02-1
SPORT AND PHYSICAL ACTIVITY FOR A SUSTAINABLE BODY - PAST, PRESENT AND FUTURE CHALLENGES
Hedenborg, S. [Sweden]
PS-PL02-2
THE OLDER MUSCLE: AGEING OR DISUSE?
Harridge, S. [United Kingdom]

Friday, June 26th, 2015
12:00 - 13:15
PS-PL03 EXERCISE, ENERGY INTAKE, BRAIN HEALTH AND WELL BEING
LECTURE ROOM: HIGH LIVE 1
Chair(s):
Narici, M. [United Kingdom]
PS-PL03-1
ENERGY INTAKE AND EXERCISE AS DETERMINANTS OF BRAIN HEALTH AND VULNERABILITY TO INJURY AND DISEASE
Mattson, M. [United States]
PS-PL03-2
CAN EXERCISE AND PHYSICAL ACTIVITY OPTIMISE THE WELLBEING OF POPULATIONS?
Thompson, J.L. [United Kingdom]

Saturday, June 27th, 2015
12:00 - 13:15
PS-PL04 INACTIVITY AND THE AGEING POPULATION
LECTURE ROOM: HIGH LIVE 1
Chair(s):
Duda, J. [United Kingdom]
PS-PL04-1
INCREASING PHYSICAL LEVELS IS THE KEY COMPONENT TO IMPROVING LIFELONG HEALTH AND WELL BEING
Blair, S. [United States]
PS-PL04-2
PHARMACEUTICAL DRUG DEVELOPMENT IS THE KEY TO OFFSETTING AGE RELATED DYSFUNCTION AND CHRONIC DISEASE
Evans, W. [United States]

* clinical track
**Oral & Invited Presentations**

**Wednesday, June 24th**

**13:00 - 15:00**

**Kuben OP-PM76**

**GSSI Nutrition Award**

Chair(s):
Rollo, I. [United Kingdom]
Close, G. [United Kingdom]

13:00 **OP-PM76-1**

**EFFECT OF THE SOURCE OF DIETARY NITRATE SUPPLEMENTATION ON PLASMA NITRITE CONCENTRATIONS AND BLOOD PRESSURE**
Jonvik, K. L. et al [Netherlands]

13:15 **[YIA] OP-PM76-2**

**INGESTION OF GLUCOSE OR SUCROSE DURING PROLONGED ENDURANCE TYPE EXERCISE PREVENTS A DECLINE IN LIVER BUT NOT MUSCLE GLYCOGEN CONCENTRATION**
Gonzalez, J. T. et al [United Kingdom]

13:30 **OP-PM76-3**

**EFFECT OF CARNOSINE LOADING AND HIGH-INTENSITY INTERVAL TRAINING ON ENDURANCE CYCLING PERFORMANCE**
Chung, W. et al [Australia]

13:45 **OP-PM76-4**

**DELAYED INSULIN ACTION DURING OGTT IN HABITUAL LOW-CARBOHYDRATE HIGH-FAT CYCLISTS**
Leith, D. et al [South Africa]

14:00 **[YIA] OP-PM76-5**

**EFFECTS OF BLOOD DONATION AND NITRATE INGESTION ON THE PHYSIOLOGICAL RESPONSE TO MODERATE-INTENSITY AND INCREMENTAL EXERCISE**
McDonagh, S. T. J. et al [United Kingdom]

**High Live 2 OP-PM77**

**Aspetar Excellence in Football Award**

Chair(s):
Nassis, G. [Qatar]
Ali, A. [New Zealand]

13:00 **OP-PM77-1**

**LOW VOLUME SPEED-ENDURANCE TRAINING IMPROVES INTERMITTENT EXERCISE CAPACITY IN HIGHLY TRAINED FOOTBALL PLAYERS IN SEASON: ROLE OF SKELETAL MUSCLE ADAPTATIONS**
Gunnesson, T. et al [Sweden]

13:15 **OP-PM77-2**

**REPEATED-SPRINT TRAINING IMPROVES O2 UPTAKE KINETICS AND PERFORMANCE IN HIGHLY TRAINED FOOTBALL PLAYERS: ROLE OF FIBER TYPE SPECIFIC ADAPTATIONS IN SKELETAL MUSCLE**
Nyrberg, M. et al [Denmark]

13:30 **OP-PM77-3**

**NATURAL ALTITUDE TRAINING AT 1380 M COMBINED WITH 9 H PER DAY AT 3000 M IS AN EFFECTIVE ALTITUDE TRAINING MODE**
Corr, A. et al [Australia]

13:45 **OP-PM77-4**

**EFFECTS OF VISUAL TRAINING ON DECISION-MAKING AND REACTIVE AGILITY IN ADOLESCENT FOOTBALL PLAYERS**
Nimmerichter, A. et al [Australia]

14:00 **OP-PM77-5**

**THE EFFECT OF COLD-WATER IMMERSION ON THE CHANGE IN SKELETAL MUSCLE NA+
K+ ATPASE GENES FOLLOWING INTENSE INTERMITTENT EXERCISE IN HUMANS**
Christiansen, D. et al [Australia]

**High Live 3 OP-BN13**

**Coaching: Team sport I**

Chair(s):
Bunké, S. [Sweden]
Gillet, J. [Canada]

13:00 **OP-BN13-1**

**TACKLE TECHNIQUE AND RISK OF INJURY IN HIGH-LEVEL UNDER-18 SOUTH AFRICAN RUGBY UNION PLAYERS**
Burger, N. et al [South Africa]

13:15 **OP-BN13-2**

**TRAINING PROCESS OPTIMIZATION ON THE BASIS OF GAME SUCCESS PREDICTION IN ENGLISH PROFESSIONAL RUGBY UNION**
Fomin, R. et al [Finland]

13:30 **OP-BN13-3**

**LOADS VOLUME AND INTENSITY IN FEMALE HIGH-Performance Handball Match-Play**
Skarabalis, A. [Lithuania]

13:45 **OP-BN13-4**

**LOAD AND RECOVERY DURING AN IN-SEASON INTENSIVE GAME PHASE; PERCEPTIONS OF PLAYERS AND COACH**
Doeven, S. H. [Netherlands]

14:00 **OP-BN13-5**

**WHEN MORE DOES NOT MEAN BETTER - THE VALUE OF WORK-LIFE BALANCE WITHIN A PROFESSIONAL SPORTS ENVIRONMENT**
Saunders, J. et al [Australia]

**Wednesday, June 24th**

**15:00 - 16:30**

**Kuben IS-PM02**

**THE BENGT SALTIN TRIBUTE SYMPOSIUM**

Chair(s):
Sjøgaard, G. [Denmark]
Narici, M. [United Kingdom]

13:00 **IS-PM02-1**

**PROFESSOR BENGT SALTIN’S LEGACY AND CONTRIBUTION TO THE ECSS**
Narici, M. V. [United Kingdom]

13:30 **IS-PM02-2**

**INTEGRATIVE PHYSIOLOGICAL APPROACHES FOR OPTIMIZING MUSCULAR PERFORMANCE AND HEALTH**
Sjøgaard, G. [Denmark]

16:00 **IS-PM02-3**

**ROLE OF MUSCLE GLYCOGEN IN EXERCISE METABOLISM AND PERFORMANCE**
Graham, T. [Canada]

16:30 **IS-PM02-4**

**EXERCISE TRAINING-INDUCED REGULATION OF MITOCHONDRIAL BIOGENESIS AND MITOPHAGY**
Pilegaard, H. [Denmark]

17:00 **IS-PM02-5**

**THE ESSENTIAL OF INTERDISCIPLINARY RESPECT IN RESEARCH FOR A SUSTAINABLE UNDERSTANDING OF HUMAN PHYSICAL ACTIVITY AND SPORT**
Hedenborg, S. et al [Sweden]

**High Live 2 IS-PM06**

**SKELETAL MUSCLE ADAPTATIONS TO ENDURANCE TRAINING: IS TISSUE HYPOXIA THE MAIN SIGNAL?**

Chair(s):
Lundby, C. [Switzerland]

15:00 **IS-PM06-1**

**CARDIAC AND SKELETAL MUSCLE METABOLISM IN HIGH ALTITUDE HYPOXIA**
Murray, A. J. [United Kingdom]

16:00 **IS-PM06-2**

**TISSUE HYPOXIA AND THE HUMAN SKELETAL MUSCLE**
Lundby, C. [Switzerland]
ECSS Malmö 2015 - Sweden, 24-27 June

**Wednesday, June 24th, 2015**

**13:00 - 16:30**

**High Live 3**  **OP-PM02**

*Health, Training & Performance*

Chair(s): Ainsworth, B. [United States] Aakesson, J. [Sweden]

15:00  **[YIA] OP-PM02-1**

**THE INFLUENCE OF ANTHROPOMETRIC AND MATURATIONAL CHARACTERISTICS ON THE RELATIVE AGE EFFECT IN ALPINE SKI RACING**

Muller, L. et al [Austria]

15:15  **[YIA] OP-PM02-2**

**THE EFFECTS OF A MULTIFACTORIAL INJURY PREVENTION INTERVENTION ON PHYSICAL EDUCATION TEACHERS’ PREVENTIVE BEHAVIOR AND THEIR SPORTS AND WORK RELATED INJURIES**

Vercruyse, S. et al [Belgium]

15:30  **[YIA] OP-PM02-3**

**LEFT AND RIGHT VENTRICULAR AREA-DEFORMATION LOOPS: A NEW NON-INVASIVE TOOL APPLIED TO THE CONCEPT OF EXERCISE-INDUCED CARDIAC FATIGUE**

Lord, R. et al [United Kingdom]

15:45  **[YIA] OP-PM02-4**

**LIFELONG EXERCISE EXPOSURE AND CARDIOVASCULAR RISK: IS THERE AN UPPER LIMIT?**

Maessen, M.F.H. et al [Netherlands]

16:00  **[YIA] OP-PM02-5**

**INTELLIGENT PHYSICAL EXERCISE TRAINING PROVES EFFECTIVE IN ENHANCING MUSCLE STRENGTH AND REDUCING MUSCULOSKELETAL PAIN IN A WORKPLACE SETTING: A RANDOMIZED CONTROLLED TRIAL**

Dalager, T. et al [Denmark]

16:15  **[YIA] OP-PM02-6**

**CIGARETTE SMOKING INTERFERES WITH DIETARY NITRATE METABOLISM AND ITS EFFECTS ON BLOOD PRESSURE AND EXERCISE TOLERANCE**

Wylie, L.J. et al [United Kingdom]

**High Live 4**  **IS-BN04**

*QUALITY OF MOVEMENTS – MORE THAN MEETS THE EYE?*

Chair(s): Ageberg, E. [Sweden]

15:00  **IS-BN04-1**

**WHAT IS CLINICAL ASSESSMENT OF MOVEMENT QUALITY?**

Crossley, K. et al [Australia]

15:30  **IS-BN04-2**

**WHAT ARE THE SENSOMOTOR AND BIOMECHANICAL MECHANISMS ASSOCIATED WITH GOOD AND POOR PERFORMANCE IN CLINICAL TESTS OF MOVEMENT QUALITY?**

Creaby, M.W. [Australia]

16:00  **IS-BN04-3**

**USING CLINICAL ASSESSMENT OF MOVEMENT QUALITY IN THE INJURY REHABILITATION AND RETURN-TO-SPORT**

Ageberg, E. [Sweden]

**Live 1**  **IS-BN06**

*TENDON ADAPTATION*

Chair(s): Finni, T. [Finland]

15:00  **IS-BN06-1**

**TENDON RESPONSE TO EXERCISE TRAINING**

Boman-Moller, J. [Norway]

15:30  **IS-BN06-2**

**THE RELATIONSHIP BETWEEN TENDON MECHANICAL PROPERTIES AND DAILY STRESS LEVELS**

Seynnes, O. [Norway]

16:00  **IS-BN06-3**

**EFFECTS OF AGING AND DISUSE ON TENDON STIFFNESS**

Sørnes, M. [Finland]

**Live 2**  **IS-SH01**

*FEPSAC SYMPOSIUM – THE DEVELOPMENT OF EXPERTISE AND COMPETENCIES OF APPLIED SPORT PSYCHOLOGISTS IN EUROPE*

Chair(s): Johnson, U. [Sweden]

15:00  **IS-SH01-1**

**FEPSAC SYMPOSIUM – THE DEVELOPMENT OF EXPERTISE AND COMPETENCIES OF APPLIED SPORT PSYCHOLOGISTS IN EUROPE**

Johnson, U. [Sweden]

15:30  **IS-SH01-2**

**THE PROFESSIONAL DEVELOPMENT OF THE ASP PRACTITIONER**

Wyllie, P. et al [Belgium]

16:00  **IS-SH01-3**

**BECOMING A COMPETENT PRACTITIONER IN SPORT PSYCHOLOGY: TYPICAL CHALLENGES AND EFFECTIVE LEARNING EXPERIENCES**

Hult, V. [Netherlands]

**Live 3**  **IS-SH02**

*ANIMALS, SPORT AND HEALTH – A SUSTAINABLE RELATIONSHIP?*

Chair(s): Jönsson, K. [Sweden]

15:00  **IS-SH02-1**

**YOUTH EQUESTRIAN SPORT: INTERSPECIES RELATIONS IN TIME AND SPACE**

Gillett, J. [Canada]

15:30  **IS-SH02-2**

**THE HORSE AS A HEALTH WORKER?**

Sörensen, M. [Norway]

16:00  **IS-SH02-3**

**ETHICS IN HORSE RIDING**

Dashper, K. [United Kingdom]

**Live 4**  **OP-PM05**

*Muscle Metabolism & Nitrate Ingestion*

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

15:00  **[YIA] OP-PM05-1**

**CELLULAR MECHANISMS OF VITAMIN D IN SKELETAL MUSCLE REPAIR: A LIVE CELL IMAGING ANALYSIS**

Willems, M. et al [United Kingdom]

15:15  **[YIA] OP-PM05-2**

**WHAT IS CLINICAL ASSESSMENT OF MOVEMENT QUALITY?**

Dashper, K. [United Kingdom]

15:30  **[YIA] OP-PM05-3**

**EFFECTS OF DIFFERENT STRETCHING TECHNIQUES ON MUSCLE- AND TENDON PROPERTIES**

Ageberg, E. [Sweden]

16:00  **[YIA] OP-PM05-4**

**USING CLINICAL ASSESSMENT OF MOVEMENT QUALITY IN THE INJURY REHABILITATION AND RETURN-TO-SPORT**

Ageberg, E. [Sweden]

16:15  **[YIA] OP-PM05-5**

**INFLUENCE OF BEETROOT JUICE AND SODIUM NITRATE ON OXYGEN CONSUMPTION IN TRAINED MEN**

Rueck, J.L. et al [Switzerland]

16:30  **[YIA] OP-PM05-6**

**EFFECTS OF ACUTE VERSUS 6-DAY SODIUM NITRATE SUPPLEMENTATION ON TIME-TRIAL PERFORMANCE IN TRAINED CYCLISTS**

Nyakayiru, J. et al [Netherlands]

17:00  **[YIA] OP-PM05-7**

**LOW MUSCLE GLYCOGEN IMPAIRS POST-EXERCISE P70S6K ACTIVITY DESPITE HIGH LEUCINE AVAILABILITY: THE CRITICAL GLYCOGEN HYPOTHESIS**

Wylie, L.J. et al [United Kingdom]

17:15  **[YIA] OP-PM05-8**

**THE PROFESSIONAL DEVELOPMENT OF THE ASP PRACTITIONER**

Wylleman, P. et al [Belgium]

17:30  **[YIA] OP-PM05-9**

**THE RELATIONSHIP BETWEEN TENDON MECHANICAL PROPERTIES AND DAILY STRESS LEVELS**

Seynnes, O. et al [Canada]

17:45  **[YIA] OP-PM05-10**

**INTELLIGENT PHYSICAL EXERCISE TRAINING PROVES EFFECTIVE IN ENHANCING MUSCLE STRENGTH AND REDUCING MUSCULOSKELETAL PAIN IN A WORKPLACE SETTING: A RANDOMIZED CONTROLLED TRIAL**

Dalager, T. et al [Denmark]

18:00  **[YIA] OP-PM05-11**

**INNOVATIVE VIDEO FEEDBACK ON JUMP LANDING STRATEGIES IMPROVES LANDING TECHNIQUE IN MALE TEAM SPORT ATHLETES**

Dallinga, J.M. et al [Netherlands]

**Live 5**  **OP-BN01**

*Neuromuscular Control*

Chair(s): Nicol, C. [France]

15:00  **[YIA] OP-BN01-1**

**VISCOSITATIVE CONTROL FOR HUMAN STANDING**

Tomiida, S. et al [Japan]

15:15  **[YIA] OP-BN01-2**

**EFFECTS OF ALPINE SKIING ON PATELLAR TENDON PROPERTIES IN OLDER PATIENTS WITH TOTAL KNEE ARTHROPLASTY**

Wiesinger, H.P. et al [Austria]

15:30  **[YIA] OP-BN01-3**

**DIFFERENT STRETCHING TECHNIQUES ON MUSCLE- AND TENDON PROPERTIES**

Wiley, L.J. et al [United Kingdom]

15:45  **[YIA] OP-BN01-4**

**INTERMITTENT CONTROL OF TIPTOE STANDING: POSTURAL ROBUSTNESS BASED ON JOINT VISCOELASTICITY**

Tanabe, H. et al [Japan]

16:00  **[YIA] OP-BN01-5**

**EFFECTS OF ACUTE VERSUS 6-DAY SODIUM NITRATE SUPPLEMENTATION ON TIME-TRIAL PERFORMANCE IN TRAINED CYCLISTS**

Nyakayiru, J. et al [Netherlands]

16:15  **[YIA] OP-BN01-6**

**CLASSIFICATION OF ICE HOCKEY SKILL LEVEL BASED ON PRINCIPAL MUSCLE RECRUITMENT STRATEGIES**

Buckeridge, E. et al [Canada]
Oral & Invited Presentations

Live 6  OP-PM36  Sports Medicine & Technology
Chair(s):
Schneider, A. [Canada]
Aagaard, P. [Denmark]
15:00  OP-PM36-1  MEASUREMENT OF VERTICAL JUMP HEIGHT WITH AN ON-SHOE 3D ACCELEROMETER SENSOR IN DIFFERENT TYPES OF ATHLETES
Pääkkönen, J. et al [Finland]
15:15  OP-PM36-2  USING 3D MOTION CAPTURE TO ANALYZE ICE-HOCKEY SHOOTING TECHNIQUE ON ICE
Swaren, M. et al [Sweden]
15:30  OP-PM36-3  AN ADAPTIVE, REAL-TIME STRIDE DETECTION METHOD FOR SMARTPHONES WITH UNCONSTRAINED PLACEMENT
van Oeveren, B.T. et al [Netherlands]
15:45  OP-PM36-4  A NOVEL METHOD TO ANALYZE INTER-TEAM COORDINATION IN SOCCER USING BIRD’S EYE VIEW VIDEO FOOTAGE
Santos, R. et al [Brazil]
16:00  OP-PM36-5  AUTOMATIC DETERMINATION OF BIOMACHANICALLY RELATIVED EVENTS IN FIGURE SKATING SINGLE JUMPS WITH UNIAXIAL ACCELERATION DATA
Schäfer, K. et al [Germany]
16:15  OP-PM36-6  PREDICTION OF THE SOCCER BALL TRAJECTORY BY ITS PANEL SHAPES
Hong, S. et al [Japan]

Live 7  OP-PM35  Sport Technology: Mixed session
Chair(s):
Hopkins, W. [Australia]
Jacobsson, A. [Sweden]
15:00  OP-PM35-1  COMPARISON OF THE RELIABILITY OF TWO ELECTRONIC CHEST PROTECTORS AND SCORING SYSTEMS IN OLYMPIC TAIKWONDO
Ösullivan, D.M. et al [Korea, South]
15:15  OP-PM35-2  DIFFERENCES IN MOTIVES FOR RUNNING AND PERCEIVED IMPORTANCE OF APP FUNCTIONALITIES BETWEEN FAST AND SLOW RUNNERS
Boart de la Foaile, M. et al [Netherlands]
15:45  OP-PM35-3  ELIMINATION OF TRIAMCINOLONE IN URINE FOLLOWING ORAL ADMINISTRATION OF TRIAMCINOLONE
Chen, T.T. et al [Taiwan]
15:30  OP-PM35-4  INFLAMMATION RESPONSE, HEPATIC AND PANCREATIC FUNCTIONALITY DURING PROLONGED EXERCISE IN A PANCREATIC CANCER PATIENT: A CASE STUDY
Pedrinolla, A. et al [Italy]
13:45  OP-PM35-5  NEURAL FATIGUE IMPAIRS SOCCER-SPECIFIC SKILL PERFORMANCE
Smith, M. et al [Australia]

Live 8  OP-SH05  Psychology (Physical exercise, football performance)
Chair(s):
Fryklund, S. [Sweden]
Bunke, S. [Sweden]
15:00  OP-SH05-1  SKINNING AND SCIENCE – PRACTICE, THEORY AND CO-PRODUCTION OF TRAINING KNOWLEDGE IN CROSS-COUNTRY SKIING SINCE THE 1950S
Svensson, D. [Sweden]
15:15  OP-SH05-2  TALENT DEVELOPMENT AS AN ECOLOGY OF GAMES: A CASE STUDY OF NORWEGIAN HANDBALL
Addal, C.T. et al [Norway]
15:30  OP-SH05-3  AN ADAPTIVE REAL-TIME STRIDE DETECTION METHOD FOR SMARTPHONES WITH UNCONSTRAINED PLACEMENT
Bjørnsen, T. et al [Norway]
15:45  OP-SH05-4  THE EFFECTS OF A 5-DAY FASTING PERIOD ON ENDURANCE RELATED PARAMETERS IN HEALTHY ADULTS
Eibl, A. et al [Germany]
16:00  OP-SH05-5  MOVEMENT ANALYSIS OF PLAYING EXERGAMES IN PE
Meckbach, J. et al [Sweden]
16:15  OP-SH05-6  MOVEMENT ANALYSIS OF PLAYING EXERGAMES IN PE
van Oeveren, B.T. et al [Netherlands]
16:30  OP-SH05-7  SPECIFIC TYPE 1 FIBRE HYPERTROPHY AND MYONUCLEAR ADDITION AFTER LOW-LOAD BLOOD FLOW RESTRICTED RESISTANCE EXERCISE IN NATIONAL LEVEL POWERLIFTERS
Mosoi, A. et al [Romania]

Live 10  OP-SH01  Sports Pedagogy and History
Chair(s):
Plifter, G. [Denmark]
Redelius, K. [Sweden]
15:00  OP-SH01-1  CHILDREN AND PARENTS’ PERSPECTIVES ON INCLUSIVE PHYSICAL EDUCATION: PROBLEMATIZING SELF-DETERMINATION AND SHARED RESPONSIBILITY
Wilhelmsen, T. et al [Norway]
15:15  OP-SH01-2  SPORT PRACTICE, CARDIORESPIRATORY FITNESS AND VIGILANCE IN YOUNG ADULTS: AN EVENT-RELATED BRAIN POTENTIAL STUDY
Bjørnsen, D. [Sweden]
15:30  OP-SH01-3  VARIATION IN THE ABILITY TO MEET RECOVERY DEMANDS EXPLAINS SUSCEPTIBILITY TO BURNOUT IN ELITE SOCCER COACHES
Ericsson, I. [Sweden]
15:45  OP-SH01-4  MOVEMENT ASSESSMENT TOOLS: A CRITICAL EXAMINATION
Pfäffer, G. [Denmark]
16:00  OP-SH01-5  AUTOMATIC DETERMINATION OF BIOMACHANICAL RELAVANT EVENTS IN FIGURE SKATING SINGLE JUMPS WITH UNIAXIAL ACCELERATION DATA
Schäfer, K. et al [Germany]
16:15  OP-SH01-6  MOVEMENT ASSESSMENT TOOLS: A CRITICAL EXAMINATION
Baart de la Faille, M. et al [Netherlands]

Thursday, June 25th
08:30 - 10:00
High Live 1  OP-PM63  Nutrition: Fat, glucose and metabolism
Chair(s):
Gray, S. [United Kingdom]
Ørtenblad, N. [Denmark]
08:30  OP-PM63-1  SPECIFIC TYPE 1 FIBRE HYPERPLASIA AND MYONUCLEAR ADDITION AFTER LOW-LOAD BLOOD FLOW RESTRICTED RESISTANCE EXERCISE IN NATIONAL LEVEL POWERLIFTERS
Bjørnsen, T. et al [Norway]
08:45  OP-PM63-2  EFFECT OF DIFFERENT SOLUTIONS CONSUMED DURING EXERCISE ON POST-EXERCISE APPETITE
Sun, F.H. et al [China]
09:00  OP-PM63-3  EXOGENOUS AND ENDOGENOUS LIVER AND MUSCLE-CARBOHYDRATE OXIDATION FOLLOWING INGESTION OF GLUCOSE AND FRUCTOSE DURING PROLONGED CYCLING: EFFECT OF CARBOHYDRATE DOSE
King, A. et al [United Kingdom]
09:15  OP-PM63-4  THE EFFECTS OF A 5-DAY FASTING PERIOD ON ENDURANCE RELATED PARAMETERS IN HEALTHY ADULTS
Schäfer, K. et al [Germany]
09:30  OP-PM63-5  FRUCTOSE-INDUCED HYPERTRIGLYCERIDEMIA DOES NOT ENHANCE POST-EXERCISE RESYNTHESIS OF INTRAMYOCYCLULAR LIPID STORES
Rosseg, R. et al [Switzerland]

Kuben  OP-PM06  Training induced adaptation
Chair(s):
Steding-Ehrenborg, K. [Sweden]
Gentils, K. [Netherlands]
08:30  OP-PM06-1  SPECIFIC TYPE 1 FIBRE HYPERPLASIA AND MYONUCLEAR ADDITION AFTER LOW-LOAD BLOOD FLOW RESTRICTED RESISTANCE EXERCISE IN NATIONAL LEVEL POWERLIFTERS
Bjørnsen, T. et al [Norway]
08:45  OP-PM06-2  MUSCLE LACTATE AND H+ ACCUMULATION FACILITATES EARLY RECOVERY AFTER INCREMENTAL EXERCISE TO EXHAUSTION: DEMONSTRATION IN HUMANS
Perez-Valero, M. et al [Spain]

16 20
Annual Congress of the European College of Sport Science
Thursday, June 25th, 2015

08:30 - 10:00

High Live 2  
OP-PM01
Sports Medicine
Chair(s):
Boreham, C. [Ireland]
Tornberg, Å. [Sweden]

08:30  [YIA] OP-PM01-1
IS NERVE DEGENERATION A FEATURE OF TENDINITIS? STUDIES ON MIDPORION ACHILLES TENDINOPATHY AND TENNIS ELBOW
Spang, C. et al [Sweden]

08:45  [YIA] OP-PM01-2
THE EFFECTS OF SHORT-TERM LOW ENERGY AVAILABILITY ON BONE Turnover IN WOMEN
Papafigiorgiou, M. et al [United Kingdom]

High Live 3  
OP-PM03
Exercise Metabolism, Mitochondrial Function and Body composition
Chair(s):
Murphy, R. [Australia]
Ichinoe-Sekei, N. [Japan]

08:30  [YIA] OP-PM03-1
MODERATE INTENSITY EXERCISE TRAINING SPEEDS UP INCREASES IN SPONTANEOUS INTESTINAL GLUCOSE UPTAKE IN SEDENTARY INDIVIDUALS
Moliani, K.K. et al [Finland]

08:45  [YIA] OP-PM03-2
GENDER DIFFERENCES IN MITOCHONDRIAL OXIDATIVE CAPACITY AFTER WEIGHT regain FOLLOWING A LIFESTYLE INTERVENTION
Jørgensen, S. et al [Denmark]

09:00  [YIA] OP-PM03-3
CHRONIC NON-STEROIDAL ANTI-INFLAMMATORY DRUG INGESTION BLUNTS INCREASES IN MUSCLE

ECSS Malmö 2015 - Sweden, 24-27 June
Live 4  OP-PM19

Physiology: Fatigue, Muscle damage & repair

Chair(s):
Westerbäck, H. (Sweden)
Koy, A. (United Kingdom)

08:30  OP-PM19-1

Effect of compression garments on recovery of exercise performance following downhill running

Mizuno, S. et al (Japan)

09:00  OP-PM19-3

Ten maximal isometric contractions do not attenuate downhill running-induced muscle damage and efficiency loss

Lima, L.C.R. et al (Brazil)

09:15  OP-PM19-4

The role of brain-derived neurotrophic factor in the exercise-induced skeletal muscle injury and repair

Yu, T. et al (China)

09:30  OP-PM19-5

Effect of hypoxia and dietary nitrate supplementation on adaptations to sprint interval training

De Smet, S. et al (Belgium)

09:45  OP-PM19-6

Cycling power measurement: lab tests vs indoor track tests

Cupido Santos, A. et al (Portugal)

Live 6  OP-PM11

Thermoregulation I

Chair(s):
Abbiss, C. (Australia)
Girard, O. (Switzerland)

08:30  OP-PM11-1

Regular cold-water immersion after high-intensity interval training does not hinder the adaptive response in human skeletal muscle

Broditch, J. R. et al (Australia)

08:45  OP-PM11-2

A comparison between conductive and infrared devices for measuring mean skin temperature at rest, during exercise in the heat, and recovery

Costello, J. T. et al (United Kingdom)

09:00  OP-PM11-3

Hyperthermia alters proprioception and balance

Milbaa, K. et al (Qatar)

09:15  OP-PM11-4

The whole body cryosimulation does not change IRISN concentration, but reduces inflammation in middle aged, obese men

Ziemann, E. et al (Poland)

09:30  OP-PM11-5

Effect of ischemic preconditioning on swimming performance in a high-intensity interval training set: a randomized, placebo and nocebo-controlled study

Ferreira, T. N. et al (Brazil)

09:45  OP-PM11-6

Effects of external motivation on cycling time trials

Skorski, S. et al (Germany)

Live 7  OP-PM26

Physiology: Brain

Chair(s):
Nosaka, K. (Australia)
Zijdewind, I. (Netherlands)

08:30  OP-PM26-1

The influence of a mild thermal challenge and severe hypoxia on serum BDNF

Tonoli, C. et al (Belgium)

08:45  OP-PM26-2

Physical exercise activates the mu-opioid system in human brain

Saanjoki, T. et al (Finland)

09:00  OP-PM26-3

Visual acuity and contrast sensitivity are not affected by hypoxic conditions in short-term and long-term acclimatized hikers

Krusche, T. et al (Germany)

09:15  OP-PM26-4

Physical and mental exertion reduce cognitive performance on professional football players

Angius, L. (United Kingdom)

09:30  OP-PM26-5

Does exercise preference or adaptation matter for the effect on brain cortical activity?

Abeln, V. et al (Germany)

Live 10  OP-SH04

Physical Education & Pedagogics (Children in Sport)

Chair(s):
Gerns, G. (United States)
Resaland, G. (Norway)

08:30  OP-SH04-1

Sport injuries in school-PE and in leisure-time: A study among adolescents in Sweden, Germany, New Zealand and in the US

Sollerhed, A. C. et al (Sweden)

08:45  OP-SH04-2

The validity and feasibility of an athletic skills track among 6- to 12-year-old children

Hoeboer, J. A. A. M. et al (Netherlands)
11:05 OR-PM20-4
The association of SNAP23 with the mitochondrial network is reduced in skeletal muscle of obese sedentary females
Strauss, J.A. et al [United Kingdom]

11:20 OR-PM20-5
Anabolic steroid detection by proteomics in human skeletal muscle
Malm, C. et al [Sweden]

11:35 OR-PM20-6
Exercise training activates NRG1/ERBB pathway in gastrocnemius of obese rats
Chavanne, V. et al [France]

Live 4
OP-BN02
Motor learning
Chair(s):
Gesari, P. [Italy]
Jain, T. [Germany]

10:20 [YIA] OP-BN02-1
Motor imagery of tonic and ballistic contractions activates direct and indirect corticospinal pathways differently but in a similar way than real tonic and ballistic contractions
Keller, M. et al [Switzerland]

10:35 [YIA] OP-BN02-2
In situ examination of decision-making skills and gaze behavior of basketball players van Maarseveen, M.J.J. et al [Netherlands]

10:50 OP-BN02-3
A comparison of lower extremities anatomical and functional asymmetries in elite and sub-elite fencers
Kotsasian, A. et al [Sweden]

11:05 OP-BN02-4
Spatial analysis of hit distribution in recurve archery
Erlan, H. et al [Turkey]

11:20 OP-BN02-5
The left hand has to go back a bit more, like this: Interaction analyses of communicative strategies in dressage coaching
Lundgren, C. et al [Sweden]

11:35 OP-BN02-6
Coaching dressage riders: A qualitative interview study examining the changing paradigms of equine training
Zelterqvist Blokhuis, M. et al [Sweden]

Live 5
OP-BN03
Thermoregulation II
Chair(s):
Levels, K. [Netherlands]
Racinais, S. [Qatar]

10:20 OP-BN03-1
Practical cooling strategies enhance endurance running performance and increase skeletal muscle activation
Stevens, C. et al [Australia]

10:35 OP-BN03-2
Self-paced exercise is regulated by the maintenance of %VO2peak within a narrow range in hot and cool conditions
Pérard, J.D. et al [Qatar]

10:50 OP-BN03-3
Unsteady aerodynamics of a ski jumper during the takeoff motion
Yamamoto, K. et al [Japan]

11:05 OP-BN03-4
Ski jumping: How do sitting position and jumping movements affect the vertical ground reaction force?
Gulbrandsen, Å.M. et al [Norway]

11:20 OP-BN03-5
Functional one-legged jumping height is determined by knee joint power and swing leg hip power in young female handball players
Bencke, J. et al [Denmark]

Live 6
OP-BM12
Temperature
Chair(s):
Boushel, R. [Sweden]

10:20 OP-BM12-1
Acute physiological responses to novel high-intensity interval training in older adults
Hurst, C. et al [United Kingdom]

10:35 OP-BM12-2
EMG-threshold detection compared with the individual anaerobic lactate threshold
Erl, P. et al [Austria]

11:05 OP-BM12-3
End criteria for reaching maximal oxygen uptake in 13-year-old boys and girls
Hellelid, K.J. et al [Norway]

11:20 OP-BM12-4
Lumbar joint position sense and lumbar range of movement test using electromyography:
Reliability study with active subjects and high level swimmers
Solana-Tramunt, M. et al [Spain]

11:35 OP-BM12-5
Reliability of objectively measured sedentary time and physical activity in adults
Aalund, E. et al [Norway]

Invited & Oral Presentations

Live 3
IS-SH05
Good governance in sports
Chair(s):
Houlihan, B. [United Kingdom]

10:20 IS-SH05-1
Action for good governance in international sports organizations
Houlihan, B. [United Kingdom]

10:50 IS-SH05-2
Transparency and accountability in international sport organizations
Schenk, S. [Germany]

11:05 IS-SH05-3
Good governance from a national perspective: The case of Sweden
Norberg, J. [Sweden]

Live 4
OP-BN03
Physical education & pedagogics I
Chair(s):
Bishop, D.J. [Australia]

10:20 OP-BN03-1
A comparison of lower extremities anatomical and functional asymmetries in elite and sub-elite fencers
Motiani, P. et al [Finland]

10:35 OP-BN03-2
The effects of a computerized biomechanical analysis as a teaching strategy on the recovery shoulder of the front crawl swimming
Ghafourian, L. et al [Iran]

11:05 OP-BN03-3
Unsteady aerodynamics of a ski jumper during the takeoff motion
Yamamoto, K. et al [Japan]

11:20 OP-BN03-4
Ski jumping: How do sitting position and jumping movements affect the vertical ground reaction force?
Gulbrandsen, Å.M. et al [Norway]

11:35 OP-BN03-5
Functional one-legged jumping height is determined by knee joint power and swing leg hip power in young female handball players
Bencke, J. et al [Denmark]

Live 7
OP-PM49
Training & testing: age & clinical
Chair(s):
Gerrits, K. [Netherlands]

10:35 OP-PM49-1
Endurance running performance and increase skeletal muscle activation
Stevens, C. et al [Australia]

11:05 OP-PM49-2
Temporal analyses of decision-making skills and gaze behavior of basketball players
van Maarseveen, M.J.J. et al [Netherlands]

11:20 OP-PM49-3
Self-paced exercise is regulated by the maintenance of %VO2peak within a narrow range in hot and cool conditions
Pérard, J.D. et al [Qatar]

11:35 OP-PM49-4
End criteria for reaching maximal oxygen uptake in 13-year-old boys and girls
Hellelid, K.J. et al [Norway]

The left hand has to go back a bit more, like this: Interaction analyses of communicative strategies in dressage coaching
Lundgren, C. et al [Sweden]

Coaching dressage riders: A qualitative interview study examining the changing paradigms of equine training
Zelterqvist Blokhuis, M. et al [Sweden]

ANABOLIC STEROID DETECTION BY PROTEOMICS IN HUMAN SKELETAL MUSCLE
COACHING DRESSAGE RIDERS: A QUALITATIVE INTERVIEW STUDY EXAMINING THE CHANGING PARADIGMS OF EQUESTRIAN TRAINING
THE ASSOCIATION OF SNAP23 WITH THE MITOCHONDRIAL NETWORK IS REDUCED IN SKELETAL MUSCLE OF OBESE SEDENTARY FEMALES
Thursday, June 25th, 2015

16:20 - 17:50

High Live 1  IS-PM09
PERFORMANCE AND TRAINING OF THE TOP-ATHLETE *
Chair(s):
Bangsbo, J. [Denmark]
16:20  IS-PM09-1
THE EFFECT OF INTENSIFIED TRAINING; TRAINING OF THE TOP-CLASS OARSMAN
Christensen, P. [Denmark]

16:50  IS-PM09-2
PERFORMANCE AND TRAINING IN CROSS-COUNTRY SKIING
Homborg, H.C. [Sweden]

17:05  IS-PM09-3
BRIDGING THE DISCREPANCY? A STUDY OF PETE TEACHERS' PERCEPTIONS OF THE NEW SYLLABUS IN PE IN SWEDEN.
Ekberg, J. [Sweden]

11:35  OP-SH15-6
'WE SHOULD ALSO HAVE A CHANCE TO BE INCLUDED.' DISABILITY, GENDER AND PHYSICAL EDUCATION
Apelmo, E. [Sweden]

16:35  OP-BN16-2
PREDICTION OF PERFORMANCE IN MONOFIN SWIMMING WITH THE DYNAMOMETER: A PILOT STUDY
Rizi, G. [Greece]

17:20  IS-BN07-5
COMPARISON BETWEEN PERPET SIMULATED AND LACTATE BASEDANAEROBIC THRESHOLD IN HANDBALL PLAYERS
Endler, S. et al [Germany]

17:35  OP-PM13-6
LABORATORY PERFORMANCE PREDICTORS FOR MULTISTAGE MOUNTAIN BIKE EVENTS
Engelbrecht, L. et al [South Africa]

17:05  OP-BN16-4
PREDICTING SPECIFIC PERFORMANCE VIA CRITICAL VELOCITY AND MODIFIED-WINGATE TEST IN KAYAK ATHLETES
Lee, T.T. et al [Taiwan]

High Live 3  OP-PM13
Physiology: Endurance
Chair(s):
Millet, G. [Switzerland]
Sandbakk, Ø. [Norway]

16:30  IS-PM13-1
SKELETAL MUSCLE LIPOTOXICITY; SHOULD WE BE INTERESTED?
Gray, S. [United Kingdom]

16:50  IS-PM13-2
THE EFFECTS OF EXERCISE TRAINING ON SKELETAL MUSCLE LIPIDS
Goodpaster, B. [United States]

17:05  OP-PM13-4
THE CORRELATION BETWEEN ONE YEAR CHANGE IN MAXIMAL OXYGEN CONSUMPTION, HEMOGLOBIN MASS, MUSCLE MASS AND BODY WEIGHT IN 12-13 YEARS CHILDREN
Riser, A. et al [Norway]

17:20  IS-PM13-3
ALMOST PERFECT CORRELATION BETWEEN HEMOGLOBIN MASS, MAXIMAL O2-UPTAKE AND LEAN BODY MASS IN 13 YEARS OLD BOYS AND GIRLS
Landgrotf, H. et al [Norway]

16:35  OP-PM13-2
THE CORRELATION BETWEEN ONE YEAR CHANGE IN MAXIMAL OXYGEN CONSUMPTION, HEMOGLOBIN MASS, MUSCLE MASS AND BODY WEIGHT IN 12-13 YEARS CHILDREN
Riser, A. et al [Norway]

16:50  OP-PM13-3
MUSCLE RESPONSE TO COMBINED SPEED ENDURANCE AND ENDURANCE EXERCISE
Skovgaard, C. et al [Denmark]

17:05  OP-PM13-4
COGNITIVE ACTIVITY AND CEREBRAL OXYGENATION DURING A 20-KM CYCLING TIME TRIAL
McCarron, J. et al [United Kingdom]

High Live 4  IS-BN05
PERFORMING WHEN GETTING OLDER: ALTERATIONS AND PLASTICITY OF THE AGEING NEUROMUSCULAR SYSTEM
Chair(s):
Baudry, S. [Belgium]
Westerbeek, H. [Australia]

16:20  IS-BN05-1
BRAIN FUNCTION AND MOTOR PERFORMANCE IN OLDER ADULTS
Swinnen, S. [Belgium]

16:50  IS-BN05-2
AGE-RELATED NEUROMUSCULAR ADAPTATIONS
Baudry, S. [Belgium]

17:20  IS-BN05-3
INFLUENCE OF MUSCLE STRENGTH ON PHYSICAL FUNCTION OF MEN AND WOMEN WITH AGE
Jakobi, J. [Canada]

16:50  IS-BN07-2
MUSCLE FATIGUE: THE CONTRIBUTION OF MOTOR NEURONAL FACTORS
Gandevia, S.C. et al [Australia]

17:20  IS-BN07-3
MUSCLE FATIGUE: THE POTENTIAL CONTRIBUTION OF MUSCULAR FACTORS
Westerblad, H. [Sweden]

Live 2  IS-SH10
URBAN SPORT LANDSCAPES
Chair(s):
Carlsson, B. [Sweden]

16:20  IS-SH10-1
'GLOCAL' URBANISATION – SPORT'S POWER OF POSITIONING
Baudry, S. [Belgium]

16:50  IS-SH10-2
ACTIVATING AND INCLUDING DOGMA ARCHITECTURE IN URBAN SPACE
Castle, R. [Sweden]

17:20  IS-SH10-3
PLANNING FOR ACTIVITY – LINKING PHYSICAL ACTIVITY TRENDS AND URBAN DEVELOPMENT TRENDS
Buch, K. [Sweden]

Live 3  IS-SH08
CHILDREN'S RIGHTS IN SPORT
Chair(s):
Nilsson, P. [Sweden]

16:20  IS-SH08-1
CHILDREN'S RIGHTS VS. ELITE SPORT DEVELOPMENT
Donnelly, P. [Canada]

16:50  IS-SH08-2
CHILDREN'S RIGHTS IN SPORT - A SWEDISH PERSPECTIVE
Redelius, K. [Sweden]
Oral & Invited Presentations

17:20 IS-SH08-3
THE INTERNATIONAL SAFEGUARDS FOR CHILDREN IN SPORT: BUILDING SAFER ORGANISATIONS BASED ON THE ‘CHILDREN’ PILLARS
Rhind, D. [United Kingdom]

17:20 OP-PM40-2
DO CLUSTER-TYPE REGIMENS OFFER A SUPERIOR ALTERNATIVE TO TRADITIONAL RESISTANCE TRAINING METHODS WHEN THE GOAL IS MAXIMAL STRENGTH DEVELOPMENT?
Nicholson, G. et al [United Kingdom]

17:20 OP-PM40-3
NEUROMUSCULAR ADAPTATIONS TO SHORT-TERM RESISTANCE TRAINING WITH LINEAR AND DAILY UNDULATING PERIODIZATION IN ADOLESCENT ELITE JUDOKA
Stenling, A. et al [Sweden]

17:20 OP-PM40-4
LOW-INTENSITY RESISTANCE TRAINING WITH SLOW MOVEMENT AND TONIC FORCE GENERATION INCREASES MUSCLE SIZE AND STRENGTH BUT NOT POWER
Mann, R. et al [Luxembourg]

17:20 OP-PM54-1
MODELLING INTERMITTENT CYCLING PERFORMANCE IN HYPOXIA USING THE CRITICAL POWER CONCEPT
Akca, F. et al [Turkey]

17:20 OP-PM54-2
EFFECTS OF HIGH INTENSITY INTERVAL TRAINING AND STRENGTH TRAINING ON CARDIOVASCULAR RISK FACTORS IN WOMEN WITH POLYCYSTIC OVARY SYNDROME: A RANDOMIZED, CONTROLLED TRIAL
Almenning, I. et al [Norway]

17:20 OP-PM54-3
SIX WEEKS OF HIT INCREASES VO2MAX AND DECREASES VISCERAL FAT CONTENT IN ELDERLY
Didenberg, S. et al [Denmark]

17:20 OP-PM54-4
IDENTIFYING THE HEALTH PROMOTION NEEDS OF WHITE COLLARS TO SUPPORT BY INFORMATION AND COMMUNICATION TECHNOLOGIES
Sörensen, M. et al [Norway] Cesario, P. et al [Italy]

17:20 OP-PM54-5
THE ACADEMISATION OF SPORT IN SWEDEN
Wirén Aakesson, J. [Sweden]

17:20 OP-PM54-6
ACUTE EFFECTS OF SELF MYOFASCIAL RELEASE ON SINGLE LEG STABILITY AND VERTICAL JUMP: A PILOT STUDY
Russo, L. et al [Italy]

17:20 OP-PM54-7
THE EXCESS VO2 AND THE SLOW COMPONENT OF OXYGEN UPTAKE KINETICS
Oueslati, F. et al [France]

17:20 OP-PM54-8
THE EFFECTS OF MENTHOL IN STOCKINGS ON SKIN TEMPERATURE AND THERMAL PERCEPTION DURING RUNNING
Fargier, P. et al [France]

17:20 OP-PM54-9
ACUTE INSPIRATORY LOADING DOES NOT IMPROVE 2.4 KM TIME-TRIAL PERFORMANCE WITH A 25 KG THORACIC LOAD
Faghy, M. et al [United Kingdom]

Live 5
OP-BN04
Running
Chair(s):
Wolf, P. [Switzerland]
Blazevich, A. [Australia]

16:35 OP-BN04-1
THE INTERACTION BETWEEN NEUROMUSCULAR RESPONSES AND INITIAL LOADING RATE IN ELITE KENYAN RUNNERS
Tam, N. et al [South Africa]

16:35 OP-BN04-2
BIOMECHANICAL 3D FIELD MEASUREMENTS OF TRAIL RUNNERS
Swärén, M. et al [Sweden]

16:35 OP-BN04-3
INFLUENCE OF SHOE TYPE AND FATIGUE ON RUNNING STYLE
Mann, R. et al [Luxembourg]

16:35 OP-BN04-4
RUNNING BAREFOOT INDUCES LOWER VERTICAL DISPLACEMENT COMPARED TO SHOED CONDITION
Ekizos, A. et al [Germany]

16:35 OP-BN04-5
EFFECTS OF MENTHOL IN STOCKINGS ON SKIN TEMPERATURE AND THERMAL PERCEPTION DURING RUNNING
Aparicio, I. et al [Spain]

Live 6
OP-PM40
Training & Testing: Strength I
Chair(s):
Maffioletti, N. [Switzerland]
Mello, M. [Brazil]

16:35 OP-PM40-1
EFFECTS OF VARIOUS WARM-UP MODELS ON 1RM LEG PRESS PERFORMANCE IN COLLEGIATE ROWERS
Akca, F. et al [Turkey]

16:35 OP-PM40-2
EFFECTS OF HIGH INTENSITY INTERVAL TRAINING AND STRENGTH TRAINING ON CARDIOVASCULAR RISK FACTORS IN WOMEN WITH POLYCYSTIC OVARY SYNDROME: A RANDOMIZED, CONTROLLED TRIAL
Almenning, I. et al [Norway]

16:35 OP-PM40-3
SIX WEEKS OF HIT INCREASES VO2MAX AND DECREASES VISCERAL FAT CONTENT IN ELDERLY
Didenberg, S. et al [Denmark]

16:35 OP-PM40-4
LOW-INTENSITY RESISTANCE TRAINING WITH SLOW MOVEMENT AND TONIC FORCE GENERATION INCREASES MUSCLE SIZE AND STRENGTH BUT NOT POWER
Maoe, S. et al [Japan]

16:35 OP-PM40-5
EFFECTS OF DIFFERENT SPLIT TRAINING ROUTINES ON ACUTE NEUROMUSCULAR PERFORMANCE OF ELBOW FLEXORS IN TRAINED MEN
Ferreira-Junior, J.B. et al [Brazil]

16:35 OP-PM40-6
ACUTE EFFECTS OF SELF MYOFASCIAL RELEASE ON SINGLE LEG STABILITY AND VERTICAL JUMP: A PILOT STUDY
Russo, L. et al [Italy]

Live 7
OP-PM54
Health & Fitness: Lifestyle III
Chair(s):
Ainsworth, B. [United States]
Steding-Ehrenborg, K. [Sweden]

16:35 OP-PM54-1
OPTIMIZED BODY COMPOSITION FOLLOWING COMBINED ENDURANCE AND STRENGTH TRAINING ON ALTERNATING DAYS COMPARED TO SAME-SSESSION COMBINED TRAINING IN MEN
Eklund, D. et al [Finland]

Live 8
OP-SH06
Psychology (Self-determination)
Chair(s):
Sörensen, M. [Norway]
Cesario, P. [Italy]

16:35 OP-SH06-2
EXAMINING PATTERNS OF CHANGE IN SELF-DETERMINED EXERCISE MOTIVATION USING LATENT GROWTH CURVE MODELS
Weeman-Josefsson, A.K. et al [Sweden]

16:35 OP-SH06-3
SELF-DETERMINATION IN EXERCISE INTERVENTIONS: IMPACT ON FITNESS AND BODY COMPOSITION
Thaegersen-Ntoumani, C. et al [Australia]

16:35 OP-SH06-4
POTENTIAL UTILITY OF MESSAGE-FRAMING IN ENHANCING SPORT PERFORMANCE
Chew, W.C.E. et al [Singapore]
Thursday, June 25th, 2015

18:00 - 19:30

High Live 1

OP-PM64

Nutrition: Amino acids and proteins

Chairs:
Roasst, T. [Norway]
Vikman, J. [Sweden]

18:00 OP-PM64-1

TWENTY-FOUR WEEKS OF SS-ALANINE SUPPLEMENTATION DOES NOT AFFECT CLINICAL MARKERS OF HEALTH: PRELIMINARY FINDINGS
Saunders, B. et al [Brazil]

18:15 OP-PM64-2

AMELIORATING EFFECT OF BRANCHED-CHAIN AMINO ACIDS SUPPLEMENTATION ON MARATHON-INDUCED MUSCLE DAMAGE, INFLAMMATION AND MUSCLE SORENESS
Ishikura, K. et al [Japan]

18:30 OP-PM64-3

METABOLIC CONSEQUENCES OF β-ALANINE SUPPLEMENTATION DURING SUPRAMAXIMAL CYCLING AND 4000-M TIME TRIAL PERFORMANCE IN HIGHLY-TRAINED CYCLISTS
Bellinger, P. et al [Australia]

18:45 OP-PM64-4

DIETARY PROTEIN INTAKE AND DISTRIBUTION OF ELITE AUSTRALIAN TEAM-BASED SPORT ATHLETES
Devlin, B. et al [Australia]

19:00 OP-PM64-5

EFFECT OF WHEY PROTEIN HYDROLYSATE ON ADAPTATION TO ENDURANCE TRAINING IN WELL-TRAINED RUNNERS
Hansen, M. et al [Denmark]

High Live 2

OP-PM10

Physiology: Age II

Chair(s):
Evans, W. [United States]
Mackey, A. [Denmark]

18:00 OP-PM10-1

EFFECT OF HIGH INTENSITY TRAINING AND ISOINERTIAL TRAINING ON INTERMUSCULAR ADIPOSE TISSUE IN OLDER ADULTS
Bruseghini, P. et al [Italy]

18:15 OP-PM10-2

BLOCKING ANGIOTENSIN II TO IMPROVE THE ACUTE MUSCLE RESPONSE TO EXERCISE IN ELDERLY MEN
Heisterberg, M.F. et al [Denmark]

18:30 OP-PM10-3

MATTERS OF FIBRE SIZE AND MYONUCLEAR DOMAIN; DOES SIZE MATTER MORE THAN AGE?
Karlsen, A. et al [Denmark]

18:45 OP-PM10-4

NO RESISTANCE EXERCISE INDUCED MUSCLE PROTEIN SYNTHESIS RESPONSE IN ELDERLY MEN AS COMPARED TO YOUNG
Reitelseder, S. et al [Denmark]

19:00 OP-PM10-5

EFFECTS OF EXERCISE ON HAEMATOLOGICAL CHANGES OF ELDERLY PERSONS
Uba Chupel, M. et al [Portugal]

Live 1

OP-PM56

Health & Fitness: Endurance

Chair(s):
Pedersen, M. [Denmark]
Boreham, C. [Ireland]

18:00 OP-PM56-1

POSTURAL CONTROL AFTER ENDURANCE EXERCISES AT DISTINCT INTENSITIES
Fischer, H. et al [Germany]

18:15 OP-PM56-2

OXIDATIVE STRESS AND RUNNING ECONOMY
Santos, J.M.B. et al [Brazil]
**Live 1**  
**OP-SH16**

**Physical Education & Pedagogics II**  
Chair(s):  
Larsson, H. [Sweden]  
Londos, M. [Sweden]  
18:15  
**OP-SH16-2**

**Inclusion within Swedish physical education:** problematizing the text surrounding physical education and the experiences of immigrants youth  
Knez, K. et al [Sweden]  
18:30  
**OP-SH16-3**

**Development of quality physical education in an Asian school – perception and achievement**  
Ho, W. [Macau]  
18:45  
**OP-SH16-4**

**Students’ motivation towards physical education: individual, class-level and teacher-level factors**  
Speeiers, L. et al [Belgium]  
19:00  
**OP-SH16-5**

**Inclusive physical education, with a focus on autonomy, competence and relatedness**  
Rostboell, S. et al [Denmark]  
19:15  
**OP-SH16-6**

**Formation process of students’ perceptions of physical education**  
Nakazawa, K. et al [Japan]  

**Live 3**  
**OP-SH16**

**Physiology: Vascular biology**  
Chair(s):  
Green, D. [United Kingdom]  
Petersen, A. et al [Australia]  
18:00  
**OP-SH16-1**

**Human practising in physical education**  
Larsson, H. [Sweden]  
18:15  
**OP-SH16-2**

**Responses to an isometric leg-exercise test predicts sex-specific training-induced reductions in resting blood pressure after isometric leg training**  
Baross, A. et al [United Kingdom]  
18:30  
**OP-SH16-3**

**The mechanism of exercise limitation in iliofemoral vein obstruction post-DVT**  
Reuveny, R. et al [Israel]  
18:45  
**OP-SH16-4**

**Breaking up prolonged sitting time with light intensity physical activity breaks does not induce improvements in rapid force production in healthy older men**  
Walker, S. [Finland]  
19:00  
**OP-SH16-5**

**Combined plyometric and strength training is superior to only strength training on on-ice sprint performance, in Norwegian U18 and U20 ice hockey players**  
Dæhlin, T.E. et al [Norway]  
19:15  
**OP-SH16-6**

**Effect of inflammation and vitamin D on handgrip strength in non-institutionalized older adults**  
Camões, M. [Portugal]  
19:30  
**OP-SH16-7**

**Serum zinc is associated with plasma leptin and Cu-Zn SOD in elite male basketball athletes**  
Zhao, J. et al [China]  
19:45  
**OP-SH16-8**

**Guidelines to classify female subject groups in sport science research**  
Decroix, L. et al [Belgium]  
19:00  
**OP-SH16-9**

**The effects of menstrual cycle phase on the incidence of plateau at VO2max**  
Larsson, H. [Sweden]  
Londos, M. [Sweden]  
19:15  
**OP-SH16-10**
Friday, June 26th

**Live 8  OP-BN11**

**Skill acquisition**

Chair(s):
Geertsen, S. [Denmark]
Cesari, P. [Italy]

18:00  OP-BN11-1

DEVELOPMENT OF A NOVEL SKILL ADAPTABILITY TEST FOR TALENT IDENTIFICATION IN TENNIS
Potter, A. et al [Australia]

18:15  OP-BN11-2

INTERNAL TRANSFER MECHANISMS OF FORCE FIELD ADAPTATION
Stockinger, C. et al [Germany]

18:30  OP-BN11-3

MOTOR MEMORY CONSOLIDATION LEADS TO ENHANCED GAMMA BAND POWER IN THE EEG
Thurer, B. et al [Germany]

18:45  OP-BN11-4

EFFECTS OF DIFFERENTIAL LEARNING, HIGH, AND INCREASING CONTEXTUAL INTERFERENCE ON ACQUISITION AND LEARNING OF A BASKETBALL TASK
Beckmann, H. et al [Germany]

19:00  OP-BN11-5

MENTAL FATIGUE ALTERS THE DURATION OF GOAL-DIRECTED MOVEMENTS
Rozand, V. et al [France]

**Live 10  OP-SH12**

**Sports History**

Chair(s):
Norberg, J. [Sweden]
Andersson, T. [Sweden]

18:00  OP-SH12-1

FROM PUBLIC HEALTH TO “HEALTHISM”? NEW FEMININITIES AND MASCULINITIES IN HEALTH AND FITNESS FROM 1970
Tolvhed, H. [Sweden]

18:15  OP-SH12-2

‘WE CAN WRITE NEW HISTORY HERE’. PERFORMING HISTORY IN THE FOOTBALL ENVIRONMENT
Herd, K. [Sweden]

18:30  OP-SH12-3

A REPertoire OF POSSIBILITIES: VISUALIZED MASCULINITIES IN A SWEDISH SPORTSClub 1906-89
Alsarve, D. [Sweden]

18:45  OP-SH12-4

A PLACE IN THE SUN OR STANDING IN THE SHADOWS OF A GLORIOUS PAST? IDENTITY FORMATION AND FOOTBALL FAN CULTURE IN EASTERN-GERMANY.
Glaser, J. [Sweden]

19:00  OP-SH12-5

THE DIFFICULTY OF HITTING TWO BIRDS WITH ONE STONE – FOSTERING COMPETITIVE ATHLETES AND DEMOCRATIC CITIZENS IN A SWEDISH SPORTS CLB
Moberg, R. et al [Sweden]

19:15  OP-SH12-6

EARLY SCIENTIFIC INVESTIGATIONS IN YOGA: THE MILES-BEHANAN COLLABORATION
Mookerjee, S. et al [United States]

**Friday, June 26th 08:30 - 10:00**

**High Live 1  OP-PM65**

**Nutrition: Hydration**

Chair(s):
Cotter, J. [New Zealand]
Cotler, J. [United Kingdom]

08:30  OP-PM65-1

THE EFFECT OF DEHYDRATION ON SIMULATED MOTOR RACING PERFORMANCE
Mollica, J.A. et al [Australia]

08:45  OP-PM65-2

PREHYDRATATION STATUS, FLUID AND ELECTROLYTE BALANCE IN ELITE SOCCER PLAYERS TO DIFFERENT TRAINING SESSIONS
Boone, J. et al [Belgium]

09:00  OP-PM65-3

ALCOHOL CONSUMPTION DURING THE POST-EXERCISE PERIOD: EFFECTS ON BLOOD RHEOLOGY
Simmonds, M. et al [Australia]

09:15  OP-PM65-4

IMMUNE RESPONSES AND DIETARY INTAKE OF ELITE RUGBY UNION PLAYERS DURING PRE-SEASON TRAINING
Tester, E. et al [United Kingdom]

09:30  OP-PM65-5

YOUTH TEAM HANDBALL PLAYERS
Jess, L. et al [Sweden]

09:45  OP-PM65-6

EFFECT OF WEIGHT-BEARING EXERCISE ON FORE-ARM BONE SITES OF HANDBALL AND SOCCER FEMALE PLAYERS
Boshnjaku, A. et al [Kosovo]

High Live 2  OP-PM27

**Sports Medicine & Orthopedics: Orthopedics I**

Chair(s):
Kuben OP-PM31

18:15  OP-BN11-2

INTERMANUAL TRANSFER MECHANISMS OF FORCE FIELD ADAPTATION
Kuben, I.W.K. et al [Netherlands]

18:30  OP-BN11-3

EFFECTS OF ALTITUDE ACCLIMATIZATION ON SPLEEN VOLUME AND CONTRACTION DURING SUBMAXIMAL AND MAXIMAL WORK IN LOWLANDERS
Roos, L. et al [Switzerland]

18:45  OP-BN11-4

ACUTE AND OVERUSE INJURIES IN SWISS ORIENTEERING ATHLETES
Thürer, B. et al [Germany]

19:00  OP-BN11-5

ON ONE WEEK OF HOSPITAL ADMISSION FOLLOWING ELECTIVE HIP SURGERY INDUCES SUBSTANTIAL MUSCLE ATROPHY IN OLDER PATIENTS
Koyama, K. et al [Japan]

19:15  OP-BN11-6

ONE WEEK OF HOSPITAL ADMISSION FOLLOWING ELECTIVE HIP SURGERY INDUCES SUBSTANTIAL MUSCLE ATROPHY IN OLDER PATIENTS
Koyama, K. et al [Japan]

19:30  OP-BN11-7

THE EFFECT OF DEHYDRATION ON SIMULATED MOTOR RACING PERFORMANCE
Mollica, J.A. et al [Australia]

19:45  OP-BN11-8

THE EFFECT OF POST-EXERCISE ACUTE AND OVERUSE INJURIES IN SWISS ORIENTEERING ATHLETES
Thürer, B. et al [Germany]
High Live 4  
OP-PM69

Adapted Physical Activity: Mental disabilities

Chair(s):
Apelemo, E [Sweden]
Wollmer, P [Sweden]

08:30  OP-PM69-1
SUICIDE PREVENTION THROUGH SPORTS PARTICIPATION. QUANTITATIVE RESEARCH OVERVIEW
Van Coppenolle, H. et al [Belgium]

08:45  OP-M69-2
A THEMATIC ANALYSIS OF HIGH PERFORMANCE COACHING ROLES AT THE SPECIAL OLYMPICS WORLD GAMES
Hassan, D. et al [United Kingdom]

Live 1  
OP-PM74

Molecular Biology and Biochemistry: Fatigue

Chair(s):
Place, N [Switzerland]
Zijlstra, I [Netherlands]

08:30  OP-PM74-1
CORTICAL EXCITABILITY, VOLUNTARY ACTIVATION, AND QUADRICEPS STRENGTH CHANGES AFTER MAXIMAL INTENSITY ISOMETRIC EXERCISE
Vácz, M. et al [Hungary]

08:45  OP-PM74-2
TWO MAXIMAL ISOMETRIC CONTRACTIONS REDUCE MUSCLE DAMAGE AFTER 30 MAXIMAL ECCENTRIC CONTRACTIONS OF CONTRALATERAL ARM
Nosaka, K. et al [Australia]

09:00  OP-PM74-3
EFFECT OF NEUROMUSCULAR ELECTRICAL STIMULATION FREQUENCY ON VOLUNTARY NEURAL DRIVE
Grosprest, S. et al [France]

09:30  OP-PM74-4
INTERMITTENT THETA BURST OVER M1 CAN IMPROVE THE PEAK POWER IN A WINGATE TEST AND SUPPRESS THE SUBSEQUENT SUPRASPINAL FATTIGUE
Giboin, L. et al [Germany]

09:45  OP-PM74-5
HETEROGENEOUS MUSCLE ACTIVITY DURING ISOMETRIC CONTRACTION – A VE-PC MRI STUDY
Csapo, R. et al [Austria]

Live 2  
OP-SH13

Sociology: Sport media

Chair(s):
Henrik, G. [Sweden]
Petersen, T. [Sweden]

08:30  OP-SH13-1
IDENTIFYING TALENT: THE CASE OF THE SWEDISH FOOTBALL ASSOCIATION
Lund, S. et al [Sweden]

08:45  OP-SH13-2
TALENT SELECTION IN SWEDISH YOUTH FOOTBALL: THE RELATIVE AGE EFFECT AND PARENTAL SUPPORT
Renström, A. et al [Sweden]

09:00  OP-SH13-3
PARTICIPATION IN NON-ELITE SPORT IN EARLY ADULTHOOD: THE IMPACT OF ATHLETIC ABILITY IN CHILDHOOD AND ADOLESCENCE
Söderström, T. et al [Sweden]

09:30  OP-SH13-4
PARENTAL CREATED MOTIVATIONAL CLIMATE AND WELL-BEING AMONG YOUTH ELITE ATHLETES
Holmström, S. et al [Sweden]

09:45  OP-SH13-5
SWEDISH ULNAR ATHLETES PERSONAL PROFILES IN RELATION TO THE DYNAMICS OF ADJUSTMENT IN THE JUNIOR-TO-SENIOR TRANSITION
Franck, A. et al [Sweden]

Live 3  
OP-SH14

Sociology: Talent identification

Chair(s):
Bensier, N. [Netherlands]
Knez, K. [Sweden]

08:30  OP-SH14-1
GREENING JOURNALISM EDUCATION
Krovel, R. [Norway]

08:45  OP-SH14-2
ATTITUDES TO ENVIRONMENTAL SUSTAINABILITY OF FOOTBALL TEAMS IN ENGLAND: A CASE STUDY
Kierman, A. [United Kingdom]

09:00  OP-SH14-3
WHERE THE GRASS IS ALWAYS GREENER: FOOTBALL TEAMS TALKING ABOUT ENVIRONMENTAL ISSUES
Sandvoss, C. [United Kingdom]

09:15  OP-SH14-4
FLATSCREENING FOOTBALL: ECOLOGICAL PERSPECTIVES ON ELECTRONIC SPECTATORSHIP
Vestberg, N.L. et al [Norway]

09:30  OP-SH14-5
VALIDATION OF MEASURING ROWERS’ CENTRE OF MASS ACCELERATION IN ROWING DIRECTION WITH INERTIAL SENSORS
Menaspà, P. et al [Australia]

Live 4  
OP-PM37

Training & Testing: Endurance I

Chair(s):
Apelmo, E. [Sweden]
Wollmer, P. [Sweden]

08:45  OP-PM37-1
INTERMITTENT THETA BURST OVER M1 CAN IMPROVE THE PEAK POWER IN A WINGATE TEST AND SUPPRESS THE SUBSEQUENT SUPRASPINAL FATTIGUE
Franck, A. et al [Sweden]

09:00  OP-PM37-2
SWEDISH JUNIOR ATHLETES’ PERSONAL PROFILES IN RELATION TO THE DYNAMICS OF ADJUSTMENT IN THE JUNIOR-TO-SENIOR TRANSITION
Pedersen, A. et al [Denmark]

09:15  OP-PM37-3
NORDIC WALKING AND TIRE-PULLING – CONCURRENT AEROBIC AND ENDURANCE STRENGTH TRAINING? A RANDOMISED CONTROLLED STUDY
Sandvoss, C. [United Kingdom]

09:30  OP-PM37-4
VALIDATION OF MEASURING ROWERS’ CENTRE OF MASS ACCELERATION IN ROWING DIRECTION WITH INERTIAL SENSORS
Menaspà, P. et al [Australia]

Live 5  
OP-BN05

Kinematics

Chair(s):
Seifert, L. [France]
Schwameder, H. [Austria]

08:30  OP-BN05-1
DOES HEAT STRESS MODIFY THE BIOMECHANICAL MANIFESTATION OF FATIGUE DURING REPEATED RUNNING SPRINTS?
Lok, Y.L. et al [Australia]

08:45  OP-BN05-2
BIOMECHANICAL ANALYSIS OF ELITE SPRINT KAYAKER USING FIXED AND SWIVEL SEAT A PILOT STUDY
Lintmeijer, L.L. et al [Netherlands]

09:00  OP-BN05-3
VALIDATION OF MEASURING ROWERS’ CENTRE OF MASS ACCELERATION IN ROWING DIRECTION WITH INERTIAL SENSORS
Lok, Y.L. et al [Australia]

09:15  OP-BN05-4
QUANTITATIVE COMPARISON OF ROWING BIOMECHANICS CAPTURED ON WATER AND ON A DYNAMIC ERGOMETER
Harfield, P. et al [United Kingdom]

09:30  OP-BN05-5
DETECTING FATIGUE IN RESISTANCE TRAINING USING ACCELEROMETER AND PCA
Brown, N. et al [Germany]

Live 8  
OP-BN08

Balance & Stability, Coordination

Chair(s):
Pedersen, M. [Denmark]
Thomas, R. [Denmark]

08:30  OP-BN08-1
PREDICTING THE ROLE OF KNEE JOINT MUSCLES IN JOINT STABILIZATION FROM EXTERNAL MOMENTS
Flaxman, T.E. et al [Canada]
Friday, June 26th, 2015

08:45 - 10:20

High Live 1
ECSS - ACSM Exchange Symposium: The Marathon and the Heart - The Good, the Bad, and the Unknown
Chair(s):
Meeusen, R. [Belgium]

10:20 - 11:50

High Live 2
Female Sex Hormones and Skeletal Muscle
Chair(s):
Hansen, M. [Denmark]

11:20 - 12:00

High Live 3
The Effectiveness of Inter-Professional Simulated-Patient Based Simulation in Developing Exercise Physiology Student Industry Readiness
Chair(s):
Lundby-Jensen, J. [Denmark]

12:00 - 13:30

High Live 4
Sport Expertise: Putting Brain, Body, and Environment Together Again
Chair(s):
Araujo, D. [Portugal]

Friday, June 26th
10:20 - 11:50

KOBBEN

IS-PM04

EFFECTS OF EXERCISE ON BRAIN FUNCTION, LEARNING AND MEMORY
Chair(s):
Lundby-Jensen, J. [Denmark]

10:20 - 11:50

IS-PM03

FEMALE SEX HORMONES AND SKELETAL MUSCLE
Chair(s):
Hansen, M. [Denmark]

10:20 - 11:50

IS-PM01

THE EFFECTIVENESS OF INTER-PROFESSIONAL SIMULATED-PATIENT BASED SIMULATION IN DEVELOPING EXERCISE PHYSIOLOGY STUDENT INDUSTRY READINESS
Reeves, N. et al [Australia]

10:20 - 11:50

IS-PM02

THE EFFECT OF A SLEEP HYGIENE PROTOCOL ON PHYSICAL RECOVERY FOLLOWING A LATE-NIGHT MATCH IN FOOTBALL PLAYERS
Søgaard, K. [Denmark]

10:20 - 11:50

IS-PM05

THE EFFECT OF AN 8-WEEK CORE-STABILITY PROGRAM ON COORDINATION DYNAMICS AND KICKING SPEED IN FEMALE SOCCER PLAYERS
Serrien, B. et al [Belgium]

10:20 - 11:50

IS-PM06

THE EFFECT OF FORCE-CONTROLLED BITING ON MOTOR CONTROL – EXPERIMENTAL STUDIES UNDER LABORATORY AND FIELD CONDITIONS
Ringhof, S. et al [Germany]

10:20 - 11:50

IS-PM04

EFFECTS OF EXERCISE INTERVENTIONS ON HUMAN MOTOR LEARNING, COGNITIVE FUNCTIONS AND MEMORY
Lundby-Jensen, J. [Denmark]

10:20 - 11:50

IS-PM03

FEMALE SEX HORMONES AND SKELETAL MUSCLE
Chair(s):
Hansen, M. [Denmark]

11:00 - 11:30

IS-PM07

THE EFFECT OF PROGRESSIVE NORMOBARIC HYPOXIA ON DYNAMIC CEREBRAL AUTOREGULATION
Horuchi, M. et al [Japan]

11:00 - 11:30

IS-PM08

ENDURANCE EXERCISE INCREASES PLASMA KYNURENIC ACID IN HUMANS
Serrien, B. et al [Belgium]

11:00 - 11:30

IS-PM09

ESTROGEN REPLACEMENT AND SKELETAL MUSCLE: MECHANISMS AND POPULATION HEALTH
Schlittler, M. [Sweden]

11:00 - 11:30

IS-PM01

THE EFFECTIVENESS OF INTER-PROFESSIONAL SIMULATED-PATIENT BASED SIMULATION IN DEVELOPING EXERCISE PHYSIOLOGY STUDENT INDUSTRY READINESS
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Søgaard, K. [Denmark]

11:00 - 11:30

IS-PM05

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IS-PM03

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IS-PM09

ESTROGEN REPLACEMENT AND SKELETAL MUSCLE: MECHANISMS AND POPULATION HEALTH
Schlittler, M. [Sweden]
Oral & Invited Presentations

**PERSPECTIVES**

Chair(s):
- Cobley, S. [Australia]
- Gil, S.M. [Spain]

10:20 IS-SH04-1
RELATIVE AGE EFFECTS - A PSYCHOLOGICAL PERSPECTIVE
- Cobley, S. [Australia]

10:50 IS-SH04-2
THE RELATIVE AGE EFFECT FROM THE PHYSIOLOGICAL AND PERFORMANCE PERSPECTIVE
- Gil, S.M. [Spain]

11:20 IS-SH04-3
RELATIVE AGE EFFECT FROM A SOCIOLOGICAL PERSPECTIVE
- Petersson, T. [Sweden]

**Live 3** IS-SH09
SPORTS LABOUR MOBILITY AND THE POLITICS OF PRECARITY

Chair(s):
- Agergaard, S. [Denmark]
- Besnier, N. [Netherlands]

10:20 IS-SH09-1
GLOBALIZATION, SPORTS AND THE PRECARITY OF MASCULINITY
- Agergaard, S. [Denmark]

10:50 IS-SH09-2
THE CIRCULATION OF BRAZILIAN FOOTBALL PLAYERS
- Rial, C. [Brazil]

11:20 IS-SH09-3
PRECARIOUS ISSUES IN WOMEN’S FOOTBALL MIGRATION
- Agergaard, S. [Denmark]

**Live 4** OP-PM38
Training & Testing: Endurance II

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

10:20 OP-PM38-1
CORRELATION BETWEEN OXYGEN CONSUMPTION AND ACCELEROMETER COUNTS AT DIFFERENT PLACEMENTS DURING RUNNING
- Poulsen, M.K. et al [Denmark]

10:35 OP-PM38-2
TEST PROTOCOL OPTIMIZATION OF THE HEART RATE-BASED LACTATE MINIMUM TEST
- Perret, C. et al [Switzerland]

10:50 OP-PM38-3
PREDICTION OF ELITE TRIATHLON PERFORMANCE BY MULTIPLE LINEAR REGRESSION MODELS
- Hofmann, M. et al [Germany]

11:05 OP-PM38-4
VALIDATION OF MODIFIED D-MAX METHOD FOR CALCULATING INDIVIDUAL ANAEROBIC THRESHOLD IN WELL TRAINED MALE CYCLISTS
- Flockhart, M. et al [Sweden]

11:20 OP-PM38-5
CONVENTIONAL CRITICAL POWER TEST PREDICTS 16.1 KM ROAD TIME TRIAL PERFORMANCE
- Morgan, P.T. et al [United Kingdom]

11:35 OP-PM38-6
RELATIONSHIP OF PHYSIOLOGICAL FACTOR CHANGES IN JAPANESE UNIVERSITY DISTANCE RUNNERS
- Tanji, F. et al [Japan]

**Live 5** OP-PM70
Molecular Biology and Biochemistry: Epigenetics

Chair(s):
- Collins, M. [South Africa]

10:20 OP-PM70-1
APOE GENETIC VARIANTS AND CONCUSSION SEVERITY
- September, A.V. et al [South Africa]

10:35 OP-PM70-2
METHYLATION OF ISOCITRATE DEHYDROGENASE 1 IN DENTAL FIBROBLASTS IN RELATION TO EPIDURAL STERoids AND BRONCHIAL ASTHMA
- Oren, N. et al [Israel]

10:50 OP-PM70-3
THE INFLUENCE OF AN EXTERNAL FOCUS OF ATTENTION VERSUS INTERNAL FOCUS OF ATTENTION WITH REGARD TO MOTOR LEARNING AND SKILL
- Farah, S. et al [Australia]

10:55 OP-PM70-4
VALIDATION OF MODIFIED D-MAX METHOD FOR CALCULATING INDIVIDUAL ANAEROBIC THRESHOLD IN WELL TRAINED MALE CYCLISTS
- Posthumus, M. et al [South Africa]

11:05 OP-PM70-5
ENDURANCE TRAINING-STIMULATED FDN5/IRISIN INDUCES BEIGE ADIPOSE-LIKE PHENOTYPE IN VISCERAL ADIPOSE TISSUE OF OBESI RATS Rocho-Rodrigues, S. [Portugal]

11:10 OP-PM70-6
RELATIONSHIP OF PHYSIOLOGICAL FACTOR CHANGES IN JAPANESE UNIVERSITY DISTANCE RUNNERS
- Tanji, F. et al [Japan]

11:15 OP-PM70-7
THE INDIVIDUAL AND COMBINED ASSOCIATION BETWEEN MULTIPLE GENE POLYMORPHISMS AND ELITE ENDURANCE ATHLETE STATUS
- Lockey, S.J. et al [United Kingdom]

11:20 OP-PM70-8
ENDURANCE TRAINING-STIMULATED FDN5/IRISIN INDUCES BEIGE ADIPOSE-LIKE PHENOTYPE IN VISCERAL ADIPOSE TISSUE OF OBESI RATS
- Rocho-Rodrigues, S. [Portugal]

**Live 6** OP-PM42
Training & Testing: Strength III

Chair(s):
- Place, N. [Switzerland]

10:20 OP-PM42-1
ASSESSMENT OF ISOKINETIC KNEE STRENGTH AND ITS RELATIONSHIP WITH VERTICAL JUMP AND POWER IN YOUTH BASKETBALL PLAYERS
- Michaelides, M. et al [Cyprus]

10:35 OP-PM42-2
ULTRA ENDURANCE EXERCISE AND CHANGES IN LEAN MASS
- Furber, M.J.W. et al [United Kingdom]

10:50 OP-PM42-3
STRETCH INDUCED MUSCLE HYPERTROPHY IN THE HUMAN TRICEPS SURAE OF YOUNG MALES
- Rosdahl, H. et al [Sweden]

11:05 OP-PM42-4
THE RELATIVE AGE EFFECT FROM THE PHYSIOLOGICAL AND PERFORMANCE PERSPECTIVE
- Betteridge, S. et al [Australia]

**Live 7** OP-PM23
Physiology: Energy metabolism

Chair(s):
- Fujita, S. [Japan]

10:20 OP-PM23-1
GREATER FAT UTILISATION DURING ECCENTRIC CYCLING THAN CONCENTRIC CYCLING
- Posthumus, M. et al [South Africa]

10:35 OP-PM23-2
ULTRA ENDURANCE EXERCISE AND CHANGES IN LEAN MASS
- Furber, M.J.W. et al [United Kingdom]

11:05 OP-PM23-3
RELATIVE AGE EFFECT FROM A SOCIOLOGICAL PERSPECTIVE
- Dirks, M.L. et al [Netherlands]

**Live 8** OP-BN10
Motor learning, Coordination

Chair(s):
- Ritzmann, R. [Germany]

10:20 OP-BN10-1
POSTURAL THREAT INFLUENCES NEURAL CONTROL OF UPRIGHT STANDING IN YOUNG AND ELDERLY ADULTS
- Johannsson, J. et al [Belgium]

10:35 OP-BN10-2
CONTRIBUTION OF LEG MUSCLE FORCES TO PADLE STROKE FORCE AND KAYAK SPEED DURING MAXIMAL EFFORT FLAT-WATER PADDLING AMONG ELITE KAYAKERS
- Rosdahl, H. et al [Sweden]

11:05 OP-BN10-3
CONVENTIONAL CRITICAL POWER TEST PREDICTS 16.1 KM ROAD TIME TRIAL PERFORMANCE
- Morgan, P.T. et al [United Kingdom]

11:20 OP-BN10-4
THE INFLUENCE OF BLOOD DONATION ON ENERGY CONTRIBUTION AND PACING DURING MIDDLE DISTANCE CYCLING
- Lawler, N.G. et al [Australia]

11:35 OP-BN10-5
THE CIRCULATION OF BRAZILIAN FOOTBALL PLAYERS
- Fujita, S. [Japan]

11:40 OP-BN10-6
THE CIRCULATION OF BRAZILIAN FOOTBALL PLAYERS
- Fujita, S. [Japan]
ECSS Malmö 2015 - Sweden, 24-27 June

Friday, June 26th, 2015

11:05 OP-SH18-4
GENERALISED JOINT HYPERMOBILITY IN ELITE LEVEL ADOLESCENT ATHLETES – BENEFICIAL OR PROBLEMATIC IN RELATION TO INJURY, PAIN, PHYSICAL FUNCTIONING AND QUALITY OF LIFE?
Schmidt, H. et al. [Denmark]

11:20 OP-SH18-5
THE EFFECTS OF PHYSICAL ACTIVITY IN PRIMARY SCHOOLS ON ACADEMIC PERFORMANCE
Collard, D. et al. [Netherlands]

11:40 IS-PM08
TEAM SPORT & HEALTH *
Chair(s):
Krstrup, P. [Denmark]

12:00 IS-PM08-1
PLAYING FOOTBALL TO PREVENT CHRONIC DISEASES
Krstrup, P. [Denmark]

12:20 IS-PM08-2
FOOTBALL FANS IN TRAINING: A WEIGHT LOSS AND HEALTHY LIVING PROGRAMME DELIVERED TO MEN AGED 35-65 BY SCOTTISH PREMIER LEAGUE FOOTBALL CLUBS
Hunt, K. [United Kingdom]

12:40 IS-PM17
PHYSIOLOGY: CARDIOVASCULAR II
Chair(s):
Wollmer, P. [Sweden]

13:00 IS-PM17-1
THE EFFECT OF RAST ANAEROBIC TEST ON CIRCULATING HEMATOPOIETIC AND ENDOTHELIAL PROGENITOR CELLS IN ATHLETES
Shady, K. et al. [Egypt]

13:20 IS-PM17-2
ISCHEMIC PRECONDITIONING REDUCES THE CARDIOVASCULAR RESPONSE DURING THE MUSCLE METABOREFLEX ACTIVATION
Crisafiulli, A. et al. [Italy]

13:40 IS-PM17-3
THE RELATIONSHIP BETWEEN BLOOD FLOW AND POST-EXERCISE RECOVERY: A RANDOMIZED SINGLE-BLIND PLACEBO-CONTROLLED STUDY
Borne, R. et al. [France]

14:00 IS-PM17-4
EXERCISE TRAINING INCREASES THE INHIBITORY EFFECTS OF PROSTACYCLIN ON PLATELETS IN POST-MENOPAUSAL WOMEN
Slingsby, M.H. et al. [Denmark]

14:20 IS-PM17-5
PHYSIOLOGICAL RESPONSES OF FIREFIGHTERS TO A FLASHOVER TRAINING
Inwinkl, S. et al. [Germany]

14:40 IS-PM17-6
A POWER-LAW MODEL REDUCES VARIABILITY IN TIME-TO-EXHAUSTION
Cookley, S.L. et al. [United Kingdom]

15:00 IS-PM16
JSFVSM: RISK FACTORS AND BIOMARKERS OF REDUCED SKELETAL MUSCLE FUNCTION IN OLDER AGE – JAPANESE & EUROPEAN EXPERIENCE
Chair(s):
Nagatomi, R. [Japan]

15:20 IS-PM16-1
ASSOCIATION BETWEEN CARDIOVASCULAR FITNESS AND QUALITY OF SLEEP IN YOUNG ADULTS
EXERCISE TRAINING INCREASES THE INHIBITORY EFFECTS OF PROSTACYCLIN ON PLATELETS IN POST-MENOPAUSAL WOMEN
Slingsby, M.H. et al. [Denmark]

15:40 IS-PM16-2
COUNTERMEASURE AGAINST BLUNTED SKELETAL MUSCLE STEROIDOGENESIS
Fujita, S. [Japan]

16:00 IS-PM16-3
COUNTERACTING SKELETAL MUSCLE LOSS WITH AGEING: INFLUENCE OF NUTRITION AND EXERCISE
Kristén, L. et al. [Sweden]

16:20 IS-PM16-4
THE EFFECT OF HIGH INTENSITY INTERVAL TRAINING ON THE BODY COMPOSITION AND FUNCTIONAL CAPACITY OF OLDER OBESE ADULTS
Nieuwoudt, S. et al. [South Africa]
17:20 OP-PM39-5
PREVALENCE OF PHYSICALLY DEPENDENT ELDERLY IS INFLUENCED BY OBESITY STATUS: THE EXERNET MULTICENTER STUDY
Alcazar, J. et al [Spain]

17:35 OP-PM59-6
GENDER DIFFERENCES IN SELF-REPORTED WALKING AND SITTING TIME IN PRE-DIABETIC PARTICIPANTS ENROLLED INTO A LIFESTYLE INTERVENTION: PRELIMINARY BASELINE RESULTS FROM THE PREVIEW PROJECT
Swindell, N. et al [United Kingdom]

Live 1 IS-PM17
CSSS-ECSS exchange symposium: PHYSICAL ACTIVITY AND HEALTH PROMOTION
Chair(s):
Tian, Y. [China]
Sjøgaard, G. [Denmark]
16:20 IS-PM17-1
POLYMORPHISMS IN RAS CODING GENES ARE ASSOCIATED WITH EXERCISE-INDUCED CHANGES IN CARDIORESPIRATORY FITNESS
He, Z. et al [China]
16:50 IS-PM17-2
EFFECTS OF 4 WEEKS OF MAXIMUM LIPID OXIDATION RATE INTENSITY TRAINING AND RESISTANCE TRAINING ON ADIPOSE TISSUE DISTRIBUTION AND MORPHOLOGY OF OBESY YOUTH
Zhang, L. [China]
17:20 IS-PM17-3
WALKING ENERGY EXPENDITURE AND RECOMMENDATION IN CHINESE ADULTS
Wang, H. et al [China]
17:50 IS-PM17-4
PHYSICAL ACTIVITY AND SITTING - HEALTH PROMOTION INTERVENTIONS AT THE WORKPLACE
Proper, K. [Netherlands]

Live 2 IS-SH03
INTERNET OF SPORTS: AUGMENTING SPORTS TECHNOLOGY FOR PERFORMANCE AND PLEASURE
Chair(s):
Jacobsson, A. [Sweden]
Nylander, S. et al [Sweden]
16:20 IS-SH03-1
INTERNET OF SPORTS APPLICATIONS
Johansson, U. et al [Sweden]
16:50 IS-SH03-2
GOLF DATA ANALYTICS
Dahlbom, A. [Sweden]
17:20 IS-SH03-3
INTERACTION IN MOTION
Marshall, J. [United Kingdom]

Live 3 IS-SH11
SPORT FOR DEVELOPMENT AND PEACE: critical perspectives
Chair(s):
Burnett, C. [South Africa]
16:20 IS-SH11-1
APPROACHING ‘SPORT FOR DEVELOPMENT AND PEACE’ AS AN INTER-DISCIPLINARY PROJECT
Darnell, S. [Canada]
16:50 IS-SH11-2
MAKING TRANSNATIONAL, CROSS-CULTURAL <DES>CONNECTIONS IN SPORT FOR DEVELOPMENT AND PEACE: EXPLORING MULTI-SITED SOCIAL AND POWER RELATIONS
Høyhurst, L. [Canada]
17:20 IS-SH11-3
LOCAL VOICES, SENSE-MAKING AND AGENCY IN THE ‘UPTAKE’ OF SDP PROJECTS IN AFRICA
Burnett, C. [South Africa]

Live 4 OP-PM39
Training & Testing: Endurance III
Chair(s):
Hopkins, W. [Australia]
de Haan, A. [Netherlands]
16:20 OP-PM39-1
ECENTRIC CYCLING WARM-UP AS AN ALTERNATIVE METHOD PRIOR TO A TIME TRIAL
Bosio, A. et al [Italy]
16:35 OP-PM39-2
MONITORING HRV DURING REPEATED ELITE SWIMMING TRAINING-CAMPS
Ganzevles, S.P.M. et al [Netherlands]
16:50 OP-PM39-3
VALIDATION OF A PROTOCOL THAT DETERMINES THE CAPACITY TO OXIDIZE FAT DURING EXERCISE IN OBESY ADULTS
Prazzi, C. et al [Denmark]
17:05 OP-PM39-4
INCREASES IN CIRCULATING CELL-FREE DNA DURING AEROBIC RUNNING EXERCISE DEPEND ON INTENSITY AND DURATION
Haller, N. et al [Germany]
17:20 OP-PM39-5
MAXIMAL OXYGEN UPTAKE AND CARDIORESPIRATORY KINETICS BEFORE AND AFTER 6 WEEKS OF ENDURANCE TRAINING
Drescher, U. et al [Germany]

Live 5 OP-PM71
Molecular Biology and Biochemistry: Metabolism
Chair(s):
Weiss, M. [Luxembourg]
16:20 OP-PM71-1
IMMUNE RESPONSE TO A SWIMMING SESSION DURING A 24-H RECOVERY PERIOD
Morgado, R. et al [Portugal]

Live 6 OP-PM33
Sports Medicine & Orthopedics: Injury prevention I
Chair(s):
Ageberg, E. [Sweden]
Creaby, M. [Australia]
16:20 OP-PM33-1
MONITORING OF SPORT INJURIES IN YOUNG ELITE SOCCER PLAYERS
Richardson, A. et al [Netherlands]
16:35 OP-PM33-2
CAN MOTION CONTROL SYSTEMS PREVENT RUNNING-RELATED INJURY?
Malisoux, L. et al [Luxembourg]
16:50 OP-PM33-3
PARALYMPIC ATHLETE’S PERCEPTIONS OF THEIR EXPERIENCES OF SPORTS-RELATED INJURIES: A QUALITATIVE STUDY
Paghre, K. et al [Sweden]

Live 7 OP-PM48
Training & Testing: Agility
Chair(s):
Zemkova, E. [Slovakia]
Buhre, T. [Sweden]
16:20 OP-PM48-1
COMPLEX AGILITY PERFORMANCE ANALYSIS OF ELITE YOUTH ACADEMY SOCCER PLAYERS. AGE AND POSITION SPECIFIC ASSESSMENT
Johansson, U. et al [Sweden]
16:35 OP-PM48-2
ANALYSIS OF A KOMPLEX STRESS STRAIN DYNAMIC IN A TECHNIC COMPOSITORIAL SPORT
Bubeck, D. et al [Germany]
16:50 OP-PM48-3
EFFECTS OF PRACTICE AGAINST ELASTIC RESISTANCE ON JAB PUNCH PERFORMANCE
Suzovic, D. et al [Serbia]

Live 8 OP-SH07
Psychology (Mental health and stress)
Chair(s):
Hoff, V. [Netherlands]
Araujo, D. [Portugal]
16:20 OP-SH07-1
“FROM WORLD CLASS TO UNABLE TO SHOOT IN THREE ARROWS” - AN UNDERSTANDING OF THE PERSONAL EXPERIENCE OF ‘TARGET PANIC’ IN ELITE SHOOTERS
Drescher, U. et al [Germany]
Friday, June 26th, 2015

18:00 - 19:30

High Live 1
OP-PM66

Kuben
OP-PM18

**Archers**
Clarke, P. et al [United Kingdom]

**OP-PM60**

**Nutrition: Clinical**

**Chair(s):**
Carter, J. [United Kingdom]

**OP-PM66-1**

18:00 - 19:30

18:00 - 19:30

18:30

**Kuben**
OP-PM18

**Physiology: Cardiovascular I + ESSA-ECSS exchange**

**Chair(s):**
Mortensen, S. [Denmark]

**OP-PM66-2**

18:00 - 19:30

18:15 - 19:30

18:30

**High Live 2**
OP-PM28

**Sports Medicine & Orthopedics: Orthopedics II**

**Chair(s):**
Glemann, L. [Denmark]

**OP-PM28-1**

18:00 - 19:30

18:15 - 19:30

19:00

**High Live 3**
OP-PM44

**Training & Testing: Teamball II**

**Chair(s):**
Wagner, H. [Austria]

**OP-PM60**

**Health & Fitness: Age II**

**Chair(s):**
Sipila, S. [Finland]

**OP-PM44-1**

18:00 - 19:30

18:30 - 19:30

19:00

**ECSS Malmö 2015 - Sweden, 24-27 June**
Oral & Invited Presentations

18:45 OR-PM60-4
SMART: IS PAIN A RELEVANT BASELINE CHARACTERISTIC IN THE ELDERLY? RESULTS FROM A RCT
Fleckenstein, J. et al [Germany]

19:00 OR-PM60-5
EFFECT OF MILK VS LEUCINE FORTIFIED MILK SUPPLEMENTATION ON BODY COMPOSITION AND STRENGTH IN OLDER ADULTS UNDERGOING 12 WEEKS OF RESISTANCE TRAINING
Safa, F. et al [Spain]

Live 1 OR-PM57
Health & Fitness: Children I
Chair(s):
Bugge, A. [Denmark]
Magnusson, P. [Denmark]

18:15 OR-PM57-1
THE IMPACT OF CYCLING DESKS ON IN-CLASS ENERGY EXPENDITURE
Torbenys, T. et al [Belgium]

18:30 OR-PM57-2
IMPAKT OF LIVING AREA ON ANTHROPOMETRIC AND PHYSICAL FITNESS PARAMETERS AMONG 15-YEAR-OLD ADOLESCENTS IN KOSOVO
Tishukaj, F. et al [Kosovo]

19:00 OR-PM57-3
LOCALIZATION OF PHYSICAL ACTIVITY IN PRIMARY SCHOOL CHILDREN USING ACCELEROMETER AND GLOBAL POSITIONING SYSTEM
Bürgi, R. et al [Switzerland]

19:15 OR-PM57-4
LONGITUDINAL CHANGE IN PHYSICAL ACTIVITY OF CHILDREN IN HUNAN, CHINA
Pengyu, D. et al [Japan]

19:45 OR-PM57-5
SMARTPHONE APPS TO IMPROVE CARDIORESPIRATORY FITNESS AND INCREASE PHYSICAL ACTIVITY LEVELS AMONG YOUNG PEOPLE: THE AIWHT RANDOMISED CONTROLLED TRIAL
Direito, A. et al [New Zealand]

Live 2 OR-SH08
Psychology (Challenges within Sport Psychology I)
Chair(s):
Balaguer, I. [Spain]
Nilsson, P. [Sweden]

18:00 OR-SH08-1
LINKS BETWEEN ADOLESCENTS’ INVOLVEMENT IN SPORT, ATTACHMENT TO PARENTS AND PROSOCIAL BEHAVIOUR
Lisinskienë, A. et al [Lithuania]

18:15 OR-SH08-2
NEUROPSYCHIATRIC DISORDERS FOLLOWING PEDIATRIC SPORTS-RELATED CONCUSSION
Ellis, M.J. et al [Canada]

18:30 OR-SH08-3
SPECIFICS AND CHALLENGES IN FEMALE ATHLETES’ CAREER: PRACTICE OF PHYSICAL ACTIVITY FOR NEWLY ARRIVED REFUGEES
Fabri, A. [Sweden]

19:00 OR-SH08-4
THE RELATIONSHIP BETWEEN STUNKARD IMAGES, PERCEPTION OF BMI AND PERCEPTION OF SELF-CONCEPT IN SPANISH ADOLESCENTS
Sánchez-Miguel, P.A. et al [Spain]

Live 3 OR-SH21
Sociology
Chair(s):
Donnelly, P. [Canada]
Norberg, J. [Sweden]

18:00 OR-SH21-1
‘YOU ARE JUST AN IDIOT FOR NOT BEING DOING ANY PHYSICAL ACTIVITY RIGHT NOW’, PRE-SERVICE HEALTH AND PHYSICAL EDUCATION TEACHERS’ CONSTRUCTIONS OF BODY FAT
Varea, V. [Australia]

18:15 OR-SH21-2
THE ECOLOGICAL HABITUS, SPORT AND PHYSICAL CULTURE
Brown, D. [United Kingdom]

18:30 OR-SH21-3
SPORT AS A RESPONDING SOLUTION TO SOCIAL PROBLEMS? CONTEXTUALIZING SPORT AND WELFARE
Ekholm, D. [Sweden]

18:45 OR-SH21-4
HEALTH COMMUNICATORS’ ALTERING THEIR PRACTICE BY IMPLEMENTING PHYSICAL ACTIVITY FOR NEWLY ARRIVED REFUGEES
Fabri, A. [Sweden]

Live 4 OR-PM62
Health & Fitness: Mixed
Chair(s):
Pedersen, M. [Denmark]
Granér, S. [Sweden]

18:00 OR-PM62-1
SELF-ADMINISTERED PHYSICAL EXERCISE TRAINING AS TREATMENT OF NECK PAIN AMONG MILITARY HELICOPTER PILOTS AND CREW – A RANDOMIZED CONTROLLED TRIAL
Murray, M. et al [Denmark]

18:15 OR-PM62-2
EFFECTS OF A SINGLE RESISTANCE EXERCISE BOUT ON NF-κB SIGNALING IN SKELETAL MUSCLES OF MASTERS WEIGHTLIFTERS AND AGE-MATCHED CONTROLS
Chien, L. et al [Taiwan]

Live 5 OR-PM72
Molecular Biology and Biochemistry: Gene expression & signaling
Chair(s):
Collins, M. [South Africa]
Rundqvist, H. [Sweden]

18:15 OR-PM72-1
EFFECT OF ACUTE INTERVAL EXERCISE ON OXIDATIVE STRESS IN CANOEISTS
Chien, L. et al [Taiwan]

18:30 OR-PM72-2
REHABILITATION AFTER ACUTE HAMSTRING MUSCLE INJURIES AMONG ELITE SOCCER PLAYERS
Haxhiu, B. et al [Kosovo]

18:45 OR-PM72-3
DEGRADOMED EXPRESSION PRO匿名IN STRAINED AND PATHOLOGICAL TENDON – ARE THERE COMMON PATTERNS IN EXERCISE AND TENDONPATHY?
Legerlatz, K. et al [Germany]

Live 6 OR-PM34
Sports Medicine & Orthopedics: Injury prevention II
Chair(s):
Schwameder, H. [Austria]
Folland, J. [United Kingdom]

18:00 OR-PM34-1
COMPARISON OF MECHANICAL INJURY RISK FACTORS BETWEEN MALE AND FEMALE WORLD CUP ALPINE SKIERS IN THE DISCIPLINE SUPER-G
Gigien, M. et al [Norway]

18:15 OR-PM34-2
CONTACT INJURIES OF THE FEMALE FIELD HOCKEY PLAYERS
Ozer, C.M. et al [Turkey]

18:30 OR-PM34-3
PROTECTIVE EFFECT BY MAXIMAL ISOMETRIC CONTRACTIONS AGAINST MAXIMAL ECCENTRIC CONTRACTION-INDUCED MUSCLE DAMAGE OF THE KNEE EXTENSORS
Tseng, K.W. et al [Taiwan]

18:45 OR-PM34-4
COMPARISON OF MECHANICAL INJURY RISK FACTORS BETWEEN MALE AND FEMALE WORLD CUP ALPINE SKIERS IN THE DISCIPLINE SUPER-G
Gigien, M. et al [Norway]

20th Annual Congress of the European College of Sport Science
Live 7  OP-PM51
Training & Testing: Coordination
Chair(s):
Hoier, B. [Denmark]
Ekberg, J. [Sweden]

18:00  OP-PM51-1
LOWER EXTREMITY CONTROL IN RESPONSE TO 8-WEEK ACL-INJURY PREVENTION TRAINING IN FEMALE ADOLESCENT ATHLETES
Ulrich, B. et al [Germany]

18:15  OP-PM51-2
COMPARISON BETWEEN THE STATIC BALANCE OF PRACTITIONERS FROM DIFFERENT SPORTS AND NON-ATHLETES
Gateva, M. et al [Bulgaria]

18:30  OP-PM51-3
THE EFFECT OF MENTAL TRAINING ON MOTOR PERFORMANCE OF TENNIS AND FIELD HOCKEY STROKES IN NOVICE PLAYERS
Hegazy, K. et al [Germany]

18:45  OP-PM51-4
GENDER AND PERFORMANCE LEVEL SPECIFIC DIFFERENCES IN BALANCE ABILITY OF ELITE AUSTRIAN ALPINE SKI RACERS
Raschner, C. et al [Austria]

19:00  OP-PM51-5
BALANCE: SET OF SPECIFIC SKILLS OR GENERAL ABILITY?
Kramer, A. et al [Germany]

19:15  OP-PM51-6
APPLICATION OF HYPOXIC TRAINING IN TECHNICAL SPORTS
Zelenkova, I. et al [Russia]
Oral & Invited Presentations

08:45  OP-PM45-2  TIME-MOTION DATA ANALYSIS OF A SMALL-SIDED GAME PERFORMED BY YOUNG ELITE MALE SOCCER PLAYERS
  Wenker, C.T. et al [Netherlands]

08:45  OP-PM73-2  FACTORS AFFECTING PERFORMANCE TIMES IN INTERNATIONAL LONG-DISTANCE SKATING
  Noordhof, D.A. et al [Netherlands]

08:45  OP-SH09-2  ACUTE FATIGUE OF LOWER LIMB AND TRUNK MUSCLES IMPAIRS STRENGTH, BALANCE AND SPRINT PERFORMANCE IN ACTIVE YOUNG ADULTS
  Balaguer, I. [Spain] Andersen, M. [Sweden]

09:00  OP-PM45-3  SALIVARY BIOMARKERS ACROSS A YOUNG SOCCER SEASON
  Rama, L. et al [Portugal]

09:00  OP-PM73-3  PARENTAL AND CHILD SPECIFIC FACTORS ASSOCIATED WITH PHYSICAL ACTIVITY IN FIRST GRADE SCHOOL CHILDREN.
  Dreher, M. et al [Germany]

09:00  OP-PM52-1  DETECTION OF MUSCLE IMBALANCES IN LOWER LIMBS STRENGTH AND POWER IN YOUNG CHILDREN AND ADOLESCENTS, AS AN INDICATOR IN THE PREVENTION OF INJURIES.
  López del Amo, J.L. et al [Spain]

09:00  OP-PM58-1  INFLUENCE OF PERFORMANCE LEVEL, AGE AND GENDER ON PACING STRATEGY DURING A 100KM ULTRAMARATHON
  Renfree, A. et al [United Kingdom]

09:00  OP-PM58-2  DETECTION OF MUSCLE IMBALANCES IN LOWER LIMBS STRENGTH AND POWER IN YOUNG CHILDREN AND ADOLESCENTS, AS AN INDICATOR IN THE PREVENTION OF INJURIES.
  López del Amo, J.L. et al [Spain]

09:00  OP-SH09-1  A SYSTEMATISED REVIEW OF PRIMARY SCHOOL WHOLE CLASS CHILD HEALTHY WEIGHT INTERVENTIONS
  Brown, E.C. et al [United Kingdom]

09:00  OP-SH11-1  THE UTILITY OF THE MULTI-COMPONENT TRAINING DISTRESS SCALE «MTDS» TO MONITOR SWIMMERS DURING PERIODS OF TRAINING OVERLOAD.
  Wahl, P. et al [Germany]

09:00  OP-SH11-2  NUTRITION AND PERFORMANCE IN ATHLETES
  Thompson, K.G. et al [Australia]

09:00  OP-SH11-3  ASSESSMENT OF THE RECOVERY-STRESS STATE IN SKIERS
  Finkenzeller, T. et al [Austria]

09:00  OP-SH11-4  THE INFLUENCE OF PERFORMANCE LEVEL, AGE AND GENDER ON PACING STRATEGY DURING A 100KM ULTRAMARATHON
  Renfree, A. et al [United Kingdom]

09:00  OP-SH11-5  THE INFLUENCE OF PERFORMANCE LEVEL, AGE AND GENDER ON PACING STRATEGY DURING A 100KM ULTRAMARATHON
  Renfree, A. et al [United Kingdom]

09:00  OP-SH11-6  THE UTILITY OF THE MULTI-COMPONENT TRAINING DISTRESS SCALE «MTDS» TO MONITOR SWIMMERS DURING PERIODS OF TRAINING OVERLOAD.
  Wahl, P. et al [Germany]

09:00  OP-SH11-7  NUTRITION AND PERFORMANCE IN ATHLETES
  Thompson, K.G. et al [Australia]

09:00  OP-SH11-8  ASSESSMENT OF THE RECOVERY-STRESS STATE IN SKIERS
  Finkenzeller, T. et al [Austria]

09:15  OP-PM45-4  PHYSICAL DEMANDS DURING VARIOUS TYPES OF CONSTRAINTS-LED CRICKET TRAINING
  Vickery, W. et al [United Kingdom]

09:15  OP-PM58-3  THE UTILITY OF THE MULTI-COMPONENT TRAINING DISTRESS SCALE «MTDS» TO MONITOR SWIMMERS DURING PERIODS OF TRAINING OVERLOAD.
  Wahl, P. et al [Germany]

09:15  OP-PM58-4  NUTRITION AND PERFORMANCE IN ATHLETES
  Thompson, K.G. et al [Australia]

09:15  OP-PM58-5  ASSESSMENT OF THE RECOVERY-STRESS STATE IN SKIERS
  Finkenzeller, T. et al [Austria]

09:15  OP-PM46-1  THE EFFECT OF POST-EXERCISE CRYOTHERAPY ON RECOVERY CHARACTERISTICS: A SYSTEMATIC REVIEW AND META-ANALYSIS

09:15  OP-PM46-2  ACUTE FATIGUE OF LOWER LIMB AND TRUNK MUSCLES IMPAIRS STRENGTH, BALANCE AND SPRINT PERFORMANCE IN ACTIVE YOUNG ADULTS
  Faude, O. et al [Switzerland]

09:15  OP-PM46-3  THE EFFECT OF POST-EXERCISE CRYOTHERAPY ON RECOVERY CHARACTERISTICS: A SYSTEMATIC REVIEW AND META-ANALYSIS

09:15  OP-PM46-4  ACUTE FATIGUE OF LOWER LIMB AND TRUNK MUSCLES IMPAIRS STRENGTH, BALANCE AND SPRINT PERFORMANCE IN ACTIVE YOUNG ADULTS
  Faude, O. et al [Switzerland]

09:15  OP-PM52-1  INFLUENCE OF GENETIC POLYMORPHISMS ON RESPONSE TO PHYSICAL TRAINING IN HEALTH PARAMETERS
  Bueno Junior, C. et al [Brazil]

09:15  OP-PM52-2  STABILITY OF LEISURE-TIME PHYSICAL ACTIVITY AND ALL-CAUSE MORTALITY IN TWINS DURING 23-YEAR FOLLOW-UP
  Waller, K. et al [Finland]

09:15  OP-PM52-3  POINTS-BASED PHYSICAL ACTIVITY: A NOVEL APPROACH TO PHYSICAL ACTIVITY PROMOTES IMPROVED BODY COMPOSITION IN OVERWEIGHT, INACTIVE WOMEN.
  Holloway, A. et al [United Kingdom]
**Saturday, June 27th, 2015**

**10:20 - 11:50**

**High Live 1**

**IS-PM05**

**ROLE OF GLYCOGEN IN SKELETAL MUSCLE REGULATION AND FUNCTION**

Chair(s):
Ørtenblad, N. [Denmark]

10:20 IS-PM05-1

ROLE OF GLYCOGEN IN SKELETAL MUSCLE SR Ca2+ REGULATION

Ørtenblad, N. [Denmark]

10:50 IS-PM05-2

SINGLE MUSCLE FIBRE ANALYSIS OF PROTEINS IMPORTANT FOR GLYCOGEN METABOLISM IN SKELETAL MUSCLE FROM TRAINED CYCLISTS FOLLOWING HIGH-INTENSITY AND AEROBIC-INTENSITY BOUTS OF EXERCISE.

Murphy, R. et al [Australia]

11:20 IS-PM05-3

INTRACELLULAR COMPARTMENTALIZATION AS A REGULATOR OF GLYCOGEN METABOLISM AND INSULIN SIGNALING

Prats, C. [Denmark]

11:50 IS-PM05-4

**High Live 2**

**IS-PM07**

**LIFELONG ENDURANCE TRAINING: MAINTENANCE OF HIGH CARDIOVASCULAR AND OXIDATIVE METABOLIC PERFORMANCE WITH AGING: IN HONOUR OF BENGT SALTIN**

Chair(s):
Boushel, R. [Sweden]

10:20 IS-PM07-1

CENTRAL HAEMODYNAMICS DURING EXERCISE

Calbet, J.A. [Spain]

10:50 IS-PM07-2

LONGITUDINAL PUMPING IS PRESERVED WITH LIFELONG ENDURANCE TRAINING AND IS AN INDEPENDENT PREDICTOR OF MAXIMAL CARDIAC OUTPUT

Sedling-Ehrenborg, K. et al [Sweden]

11:20 IS-PM07-3

ENDOTHELIAL-MEDIATED VASODILATION AND MUSCLE VASCULAR CONDUCTANCE DURING EXERCISE

Mortensen, S.P. [Denmark]

11:50 IS-PM07-4

**Kuben**

**IS-PM14**

**EFFECT OF SCHOOL BASED PHYSICAL ACTIVITY INTERVENTIONS**

Chair(s):
Andersen, L. [Denmark]

10:20 IS-PM14-1

TWO DANISH SCHOOL-BASED PHYSICAL ACTIVITY INTERVENTIONS

Bugge, A. et al [Denmark]

10:50 IS-PM14-2

EFFECTS OF A 2-YEAR SCHOOL-BASED DAILY PHYSICAL ACTIVITY INTERVENTION: THE SODIAL SCHOOL-INTERVENTION STUDY

Resaland, G.K. et al [Norway]

11:20 IS-PM14-3

EFFECTS OF SCHOOL-BASED PHYSICAL ACTIVITY INTERVENTIONS: THE KISS STUDY

Kriemler, S. et al [Switzerland]
## Oral Presentations

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<td>Digital Support Systems in Recreational and Elite Sports</td>
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<td>IS-BN08-2</td>
<td>Towards Intelligent Feedback Systems</td>
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<td>11:20</td>
<td>IS-SH07-9</td>
<td>Measuring the Fatigue Effect on Ice Hockey Skills</td>
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## Invited Presentations

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<td>Digital Support Systems in Recreational and Elite Sports</td>
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<td>OP-PM47-1</td>
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Live 6  OP-PM53
Health & Fitness: Lifestyle II
Chair(s):
Eek, F. [Sweden]
Knez, K. [Sweden]
10:20  OP-PM53-1
THE EFFECT OF DIFFERENT EXERCISE TYPES ON BODY COMPOSITION IN YOUNG ADULTS
Drenowatz, C. et al [United States]
10:35  OP-PM53-2
ADULT PARTICIPATION IN PHYSICAL ACTIVITY AND MUSCLE STRENGTHENING EXERCISES: RESULTS FROM THE AUSTRALIAN NATIONAL NUTRITION AND PHYSICAL ACTIVITY SURVEY
Bennie, J.A. et al [Australia]
10:50  OP-PM53-3
DEVIATION BETWEEN SELF-REPORTED AND MEASURED OCCUPATIONAL PHYSICAL ACTIVITY LEVELS IN OFFICE EMPLOYEES: EFFECTS OF AGE AND BODY COMPOSITION
Donath, L. et al [Switzerland]
11:05  OP-PM53-4
OBJECTIVELY MEASURED PHYSICAL ACTIVITY IN A WEB-BASED INTERVENTION ON PERSONALIZED NUTRITION: FINDINGS OF THE FOOD4ME STUDY
Marsaux, C. [Netherlands]
11:20  OP-PM53-5
STUDY ON INNOVATIONS OF SPORT FOR ALL MANAGEMENT IN CHINA
Wang, Y. [China]

Live 7  OP-PM55
Health & Fitness: Obesity
Chair(s):
Vikman, J. [Sweden]
Van Lieshout, J. [Netherlands]
10:25  OP-PM55-1
CUT-OFF POINTS OF HEALTH-RELATED FITNESS ASSOCIATED WITH METABOLIC SYNDROME IN KOREAN MEN AND WOMEN
Park, S. et al [Korea, South]
10:50  OP-PM55-2
IMPROVEMENT IN QUALITY OF LIFE AFTER INTENSIVE LIFESTYLE INTERVENTION IS RELATED TO MAINTENANCE OF WEIGHT LOSS
Nielsen, M. et al [Denmark]
11:05  OP-PM55-3
GASTRIC BYPASS PATIENTS DO NOT CHANGE EXERCISE HABITS AFTER SURGERY
Lund, M.T. et al [Denmark]
11:20  OP-PM55-4
THE MECHANICAL POWER OUTPUT – VELOCITY CURVE OF THE VELOTRON CYCLING ERGOMETER, AND ITS RELEVANCE FOR CYCLING PERFORMANCE AND PACING RESEARCH
Schoenmakers, P.P.J.M. et al [United Kingdom]

Live 8  OP-BN09
Biomechanics Mixed session
Chair(s):
Linnamo, V. [Finland]
Hettinga, F. [United Kingdom]
10:20  OP-BN09-1
THE MECHANICAL POWER OUTPUT – VELOCITY CURVE OF THE VELOTRON CYCLING ERGOMETER, AND ITS RELEVANCE FOR CYCLING PERFORMANCE AND PACING RESEARCH
Schoenmakers, P.P.J.M. et al [United Kingdom]
10:35  OP-BN09-2
ENERGY COSTS AND LEG MUSCLE ACTIVITIES IN ASCENDING STAIRS
Halder, A. et al [Sweden]

Live 10  OP-SH25
Sociology (Sport and gender)
Chair(s):
Fasting, K. [Norway]
Fundberg, J. [Sweden]
10:20  OP-SH25-1
TRANSCENDING GENDER HIERARCHIES? YOUNG PEOPLE AND FLOORBALL IN SWEDISH SCHOOL SPORT
Larneby, M. [Sweden]
10:35  OP-SH25-2
THE ROLE OF EMOTIONAL RELATIONS IN ADVANCING GENDER EQUALITY IN SPORT GOVERNANCE
Adriaanse, J. [Australia]
10:50  OP-SH25-3
THE IMPACT OF GENDER QUOTAS IN SPORT LEADERSHIP IN NORWAY
Sisjord, M.K. et al [Norway]

ECSS Malmö 2015 - Sweden, 24-27 June 37
### Mini-Oral Presentations

**Wednesday, June 24th**

**13:00 - 14:00**

**MO-PM01 Training & Testing**

Lecture Room: High Live 1

**Chair(s):**

Wagner, H., (Austria)

**MO-PM01-1**

Risk factors for ankle sprains sustained during netball participation

Attenborough, A. S. et al (Australia)

**MO-PM01-2**

Effects of unspecific endurance exercise on specific sprint performance in inline speed skating

Stangier, C. et al (Germany)

**MO-PM01-3**

The impact of data averaging strategies on VO2max

Martin-Rincon, M. et al (Spain)

**MO-PM01-4**

Influence of a different familiarisation on T2WE trial pacing in novice participants

Hibbert, A. W. et al (Australia)

**MO-PM01-5**

High-intensity distance in elite female soccer players based on a gender-specific threshold

Bellisti, G. et al (Italy)

**MO-PM01-6**

Associations between various intensities of physical activity and physical fitness in adolescents

Kidokoro, T. et al (Japan)

**MO-PM01-7**

The contribution of skeletal muscle volume and architecture to soccer-specific power in elite and recreational youth

McGarth, C.F. et al (United Kingdom)

### MO-BN01 Motor learning & Biomechanics

Lecture Room: High Live 4

**Chair(s):**

Taube, W. (Switzerland)

**MO-BN01-1**

Attention contributes to low fidelity imitation of biological kinematics in autism spectrum disorders

Andrew, M. et al (United Kingdom)

**MO-BN01-2**

Age related dependency on visual input in order to mentally simulate postural tasks

Mouthon, A. et al (Switzerland)

**MO-BN01-3**

Comparison of muscle synergies during treadmill running between different foot strike patterns

Nishida, K. et al (Japan)

**MO-BN01-4**

Postactivation potentiation induced by reactive jumps: counteracts stretch-induced muscle twitch declines in the triceps surae muscle

Kummel, J. et al (Germany)

**MO-BN01-5**

Knee muscle tendon complex forces ratio and biomechanical analysis in squatting

Berdeg, M. et al (Bosnia)

**MO-BN01-6**

A descriptive observational study of stroke characteristics in team boat - k2-

Sprint Kayaking

Tay, C.S. et al (Singapore)

**MO-BN01-7**

Mechanical and morphological properties of the human quadriceps muscle-tendon unit after whole-body vibration training

Rieder, F. et al (Austria)

**MO-BN01-8**

Interaction between hip angle, knee angle and knee angular velocity when measuring isokinetic knee torque

Jongerius, N. et al (United Kingdom)

### MO-PM03 Muscle, Molecular Biology and Biochemistry

Lecture Room: Live 1

**Chair(s):**

Murphy, R. (Australia)

**MO-PM03-1**

Exercise induces adaptive gene expression through NOX2-dependent reactive oxygen species in skeletal muscle

Henriquez-Olguin, C. et al (Chile)

**MO-PM03-2**

Myosin heavy-chain 2X expression interacts with acute regulation of PGC-1alpha splice-4 <S4> following strength exercise with low and moderate volume

Hammarstrom, D. et al (Norway)

**MO-PM03-3**

Association between the 1q23.3 ACE genotype combination and Judo status

Itoh, T. et al (Japan)

**MO-PM03-4**

ACTovegin, a non-prohibited drug, makes human skeletal muscle more oxidative

Sandbergard, S. et al (Denmark)

**MO-PM03-5**

The mediation role of barrier efficacy within task efficacy-physical activity and enjoyment-physical activity relationship

Zhang, S. et al (Hong Kong)

**MO-PM03-6**

Infielders of baseball and softball have an outstanding performance on attention shifting task

Chang, C. et al (Taiwan)

### MO-SH01 Social Sciences and Humanities in Sport

Lecture Room: Live 2

**Chair(s):**

Fastling, K. (Norway)

**MO-SH01-1**

Dropout in German age-group swimming

Staub, I. et al (Germany)

**MO-SH01-2**

Coach leadership and gender in Norwegian amateur boxing

Tjønndal, A. (Norway)

**MO-SH01-3**

Increased physical activity in school improves school results in boys

Fritz, J. et al (Sweden)

**MO-SH01-4**

Development of excellence in young Norwegian athletes - the importance of self-determined motivation and self-regulatory competencies

Jordalen, G. et al (Norway)

**MO-SH01-5**

The mediation role of barrier efficacy within task efficacy-physical activity and enjoyment-physical activity relationship

Zhang, S. et al (Hong Kong)

**MO-SH01-6**

Infielders of baseball and softball have an outstanding performance on attention shifting task

Chang, C. et al (Taiwan)

### MO-PM07 Adapted physical activity: Challenges

Lecture Room: Live 4

**Chair(s):**

Johnson, U. (Sweden)

**MO-PM07-1**

Burnout correlates in grassroots football coaches: perfectionism and unconditional self-acceptance

Castillo, I. et al (Spain)

**MO-PM07-2**

Exercise for clinical depression: a systematic review analyzing several questions

Carrero, L. et al (Portugal)
Wednesday, June 24th, 2015

Fundberg, J. [Sweden]
Ericsson, I. [Sweden]

MO-BN04-1
AEROBIC 3-MONTH PHYSICAL ACTIVITY PROGRAM IN BREAST CANCER SURVIVORS: EFFECTS ON SLEEP BEHAVIOR, ANTHROPOMETRIC INDICES OF ADIPOSETITY AND FASTING GLUCOSE METABOLISM.
Vivace, J.A. et al [Italy]

MO-BN07-1
DEVELOPMENT OF A TWO-PART EXERCISE MODEL TO ENHANCE PHYSICAL ACTIVITY LEVELS IN PEDIATRIC CANCER PATIENTS DURING ACUTE CANCER TREATMENT.
Götte, M. et al [Germany]

MO-BN07-2
IMPACT OF A SOCIAL MEDIA EXERCISE SERVICE ON PHYSICAL FITNESS, PHYSICAL ACTIVITY, WELL-BEING AND BODY WEIGHT.
Sanhill, M. et al [Finland]

MO-BN07-3
ETHNIC DIFFERENCES IN MODERATE-TO-VIGOROUS PHYSICAL ACTIVITY AND POSTPARTUM PHYSICAL FUNCTION.
Richardsen, K.R. et al [Norway]

MO-BN04 Mixed

LECTURE ROOM: LIVE 5
Chair(s):
Linnamo, V. [Finland]
Hodson-Tole, E. [United Kingdom]

MO-BN04-1
BIOMECHANICAL ASSESSMENT OF SWISS PRESS HANDSTAND TECHNIQUE IN COLLEGIATE MALE GYMNASTS.
Kashiwagi, Y. et al [Japan]

MO-BN04-2
SPRINGY BEHAVIOR OF THE LONGITUDINAL FOOT ARCH DURING ANKLE BENDING EXERCISE AT DIFFERENT MOVEMENT FREQUENCIES.
Iwanuma, S. et al [Japan]

MO-BN11 Health & Fitness: Age

LECTURE ROOM: LIVE 7
Chair(s):
Jakobi, J. [Canada]
Sipila, S. [Finland]

MO-PM11-1
CHANGES IN FIRE FIGHTER FITNESS AND PERFORMANCE OVER AN 18 YEAR PERIOD.
Wiilford, H. et al [United States]

ECSS Malmö 2015 - Sweden, 24-27 June

AN ANSWER TO COMMERCIAL CHALLENGES IN SWEDISH RIDING SCHOOLS.
Thorell, G. et al [Sweden]

MO-BN06 Coaching: Mixed session

LECTURE ROOM: LIVE 8
Chair(s):
Redelius, K. [Sweden]
Fujita, S. [Japan]

MO-BN06-1
A STUDY ON NATIONAL QUALIFICATION TRAINING PROGRAMS FOR SPORTS INSTRUCTOR IN SOUTH KOREA.
Kim, S.H. et al [Korea, South]

MO-BN06-2
TRAINING RELATED TO ALTERATIONS: POSTURAL ANALYSIS AND BIOMECHANICS OF GAIT IN BALLET.
Coppola, I. et al [Italy]

MO-BN06-3
WHAT IS HUMANISTIC LITERACY FOR COACHES?
Kim, J. [Korea, South]

MO-BN06-4
PASSIVE DRAG IN YOUNG SWIMMERS.
Ciapparelli, C. et al [Italy]

MO-BN06-5
EFFECT OF HAND PADDLES ON INTRA-ABDOMINAL PRESSURE DURING MAXIMAL FRONT CRAWL SWIMMING.
Moriyama, S. et al [Japan]

MO-BN06-6
BASKETBALL GAMES LOAD MEASUREMENT USING COMMERCIAL ACCELEROMETER.
Moreno, D. et al [Spain]

MO-BN06-7
CONTACT TECHNIQUE AND CONCUSSIONS IN THE SOUTH AFRICAN UNDER-18 COCA-COLA CRAVEN WEEK RUGBY TOURNAMENT.
Hendricks, S. et al [South Africa]

MO-BN06-8
FROM MILITARY NORMS TO INDIVIDUAL COACHING: A CHANGING EDUCATIONAL DISCOURSE AS AN ANSWER TO COMMERCIAL CHALLENGES IN SWEDISH RIDING SCHOOLS.
Thorell, G. et al [Sweden]

MO-BN07-4
THE SEASONAL-RELATED VARIATION ON PHYSICAL FITNESS IN AGED POPULATION.
Bezerra, P. et al [Portugal]

MO-BN07-5
MINI-ORAL
EFFECTS OF CIRCUIT TRAINING ON PHYSICAL PERFORMANCE, BODY COMPOSITION FOR THE FRIL ELDERLY LIVING IN A RESIDENTIAL CARE FACILITY.
Hou, M.T. et al [Taiwan]

MO-BN07-6
DEVELOPMENT OF A TWO-PART EXERCISE MODEL TO ENHANCE PHYSICAL ACTIVITY LEVELS IN PEDIATRIC CANCER PATIENTS DURING ACUTE CANCER TREATMENT.
Götte, M. et al [Germany]

MO-BN07-7
IMPACT OF A SOCIAL MEDIA EXERCISE SERVICE ON PHYSICAL FITNESS, PHYSICAL ACTIVITY, WELL-BEING AND BODY WEIGHT.
Sanhill, M. et al [Finland]

MO-BN07-8
ETHNIC DIFFERENCES IN MODERATE-TO-VIGOROUS PHYSICAL ACTIVITY AND POSTPARTUM PHYSICAL FUNCTION.
Richardsen, K.R. et al [Norway]

MO-BN04-3
RUNNING PATTERN ADJUSTMENTS DURING UN-WEIGHING AND RELOADING TRANSITION PHASES.
Chavet, P. et al [France]

MO-BN06 Adapted physical activity: Sport & disability

LECTURE ROOM: LIVE 6
Chair(s):
Sorensen, M. [Norway]
Perret, C. [Switzerland]

MO-PM06-1
CARDIORESPIRATORY RESPONSE DURING WHEEL-CHAIR DANCE AND AUTONOMOUS REGULATION IN BEDRIDDEN INDIVIDUALS.
Terada, K. et al [Japan]

MO-PM06-2
COMPARISON OF ADAPTIVE AND COMPETITIVE SWIMMING INSTRUCTIONS.
Bokor, J. [Hungary]

MO-PM06-3
FUNDAMENTAL MOVEMENT SKILLS MASTERY OF BOYS WITH AND WITHOUT INTELECTUAL DISABILITY IN THE PHILIPPINES.
Eguio, K.F. et al [Philippines]

MO-PM06-4
THE EFFECTS OF SKIN SCUBA PROGRAM ON CONCENTRATION AND SELF-REGULATION OF AUTISTIC CHILDREN.
Hwang, Y.S. et al [Korea, South]

MO-PM11-1
THE EFFECTS OF RESISTANCE, AEROBIC AND COMBINED TRAINING AND DETRAINING ON MUSCLE STRENGTH IN CORONARY ARTERY DISEASED PATIENTS.
Panyotolou, G. et al [Cyprus]

MO-PM11-2
PARTICIPATION OF SENIORS IN LONG-DISTANCE RUNNING RACES IN POLAND AND SWEDEN.
Cojzio, K. et al [Poland]

MO-PM11-3
APPLICABILITY OF ULTRASOUND MUSCLE THICKNESS MEASUREMENTS FOR PREDICTING QUADRICEPS FEMORIS MUSCLE VOLUME IN MIDDLE-AGED AND ELDERLY POPULATION.
Nakatani, M. et al [Japan]

MO-PM11-4
COMPARISON OF POLAR LOOP AND ACTIGRAPH ACTIVITY MONITORS IN DETECTING PHYSICAL ACTIVITY AND SEDENTARY TIME IN DAILY LIVING.
From military norms to individual coaching: a changing educational discourse as an answer to commercial challenges in Swedish riding schools.
Thorell, G. et al [Sweden]
Mini-Oral Presentations

Wednesday, June 24th

14:00 - 15:00

MO-PM02 Nutrition, training adaptation and performance

Lecture Room: High Live 1

Chair(s): Cofer, J. [New Zealand]; Wall, B. [United Kingdom]

MO-PM02-1 [YIA] Effect of protein supplementation on muscular adaptations in response to strength training in elderly adults

Stragier, S. et al [Belgium]

MO-PM02-2 [YIA] Combined ingestion of glucose and fructose does not further accelerate post-exercise muscle glycogen repletion in trained cyclists

Trommerle, J. et al [Netherlands]

MO-PM02-3 [YIA] Supplementation with milk protein promotes similar changes in strength and muscle mass as isocaloric supplementation of native whey in 11 weeks of strength training in elderly

Johansen, M. et al [Norway]

MO-PM02-4 [YIA] Dietary determinants of the maximal capacity for fat oxidation during exercise

Fletcher, G. et al [United Kingdom]

MO-PM02-5 [YIA] A kinematic comparison of non-motorized treadmill and overground walking

Takeshima, K. et al [Japan]

MO-PM02-6 [YIA] Effects of different timing of ice slurry ingestion before exercise on endurance exercise capacity and thermoregulation

Kirmse, M. et al [Germany]

MO-PM02-7 [YIA] The influence of beetroot juice on recovery from a single bout of strenuous exercise

Clifford, T. et al [United Kingdom]

MO-PM02-8 [YIA] Acute effects of gum chewing and high intensity exercise on appetite-regulating hormones and energy intake

Kashiwabara, K. et al [Japan]

MO-PM03 Kinematics

Lecture Room: High Live 4

Chair(s): Svendsen, I. [Sweden]; Federolf, P. [Norway]

MO-BN03-1 Specific biomechanical differences exist across skill levels for high velocity football kicks

Bauer, M. et al [Canada]

MO-BN03-2 Differences in range of motion and feet pressure between skiing with and without rifle in female biathletes

Jonsson, M. et al [Sweden]

MO-BN03-3 Gait analysis of obese adolescent's uphill walk: kinematic and kinetic adaptations compared to normal weight adolescents

Strutzenger, G. et al [Austria]

MO-BN03-4 Daily changes of individual gait patterns

Horst, F. et al [Germany]

MO-BN03-5 A kinematic comparison of non-motorized treadmill and overground walking

Hirano, T. et al [Japan]

MO-BN03-6 Use of motion capture system in Russian teams training for Sochi Olympic Games

Shestakov, M. [Russia]

MO-BN03-7 Algorithm for biomechanical research of a competitive routine in trampoline

Gao, H. et al [China]

MO-BN03-8 Effect of body mass on kinetic variables during a basketball layup

Nin, Z.D. et al [Singapore]

MO-PM04 Oxygen transport, VO2max and energy expenditure

Lecture Room: Live 2

Chair(s): Hildreth, C. [United Kingdom]; Nordsborg, N. [Denmark]

MO-PM04-1 Specific biophysical differences exist across skill levels for high velocity football kicks

Bauer, M. et al [Canada]

MO-PM04-2 Energy cost of backward running at positive gradient

Rasasco, J. et al [Italy]

MO-PM04-3 Is the VO2max intensity an effective stimulus for the 2000m rowing race?

Sousa, A. et al [Portugal]

MO-PM04-4 Validity of the determination of energy costs during a soccer specific intermittent shuttle run test by means of metabolic power calculation - a pilot study

Venzke, J. et al [Germany]

MO-PM04-5 Effects of 8-week high intensity interval training on anaerobic and aerobic capacity in Taekwon-Do IT athletes

Baron, A. et al [Poland]

MO-PM04-6 Determination of energy costs during two-directional multi-stage shuttle run

Kirmse, M. et al [Germany]

MO-BN05 Philosophy & Ethics

Lecture Room: Live 3

Chair(s):数倉, C. [Japan]; Ito, H. [Japan]

MO-BN05-1 The influence of beetroot juice on recovery from a single bout of strenuous exercise

Clifford, T. et al [United Kingdom]

MO-BN05-2 Development of the Chinese version of the sport motivation scale-II: a pilot study

Li, C. [Kong Kong]

MO-BN05-3 Participant motivation: a comparison across world masters international competitions

Henriksen, G. [Sweden]

MO-BN05-4 Reliability and validity of the Chinese version of the pregnancy physical activity questionnaire

Mih, X. et al [Japan]

MO-BN05-5 Hypermelatonin-induced alteration in complex cognitive task performance is reversed by 11 days of heat acclimation

Gaoua, N. et al [United Kingdom]

MO-BN05-6 The effect of manipulating exercise intensity and speed-accuracy instructions on cognitive performance

Joyce, J. et al [United Kingdom]

MO-PM08 Adapted physical activity: Disabilities

Lecture Room: Live 4

Chair(s): Magnussen, P. [Denmark]; Drake, A. [Sweden]

MO-PM08-1 Effects of strenuous exercise on saunary human neutrophil peptides 1-3 and blood neutrophils in young male subjects

Hanaoka, Y. et al [Japan]

MO-PM08-2 Instrumental analysis as a support for the evaluation scales used in gait analysis

Vincione, I. et al [Italy]

MO-PM08-3 Reliability and validity of the Chinese version of the pregnancy physical activity questionnaire

Haga, Y. et al [Japan]
ECSS Malmö 2015 - Sweden, 24-27 June

Wednesday, June 24th, 2015

14:00 - 15:00

MO-BN05 Motor learning

Lecture Room: Live 5

Chair(s):
Taube, W. [Switzerland]
Nicol, C. [France]

MO-BN05-1
Analysis of the no return of point hypothesis: The effect of audio and visual stimuli in the fast movements inhibition
Sobier Kołtun, A. et al. [Iran]

MO-BN05-2
Changes in coordination during learning a gymnastics skill
Williams, G.K.R. et al. [United Kingdom]

MO-BN05-3
Do jump ability, sprinting and balance influence agility of junior high and high school female soccer players?
Inoue, Y. [Japan]

MO-BN05-4
Learning movement phases during early stages of motor learning
Ohborn, S. et al. [Iran]

MO-BN05-5
The role of video manipulation in skill acquisition
Crowther, R.G. et al. [Australia]

MO-BN05-6
How to maximize performance? Influence of combining augmented feedback with an external focus of attention and with reward
Walchli, M. et al. [Switzerland]

MO-BM050 Adapated physical activity: Nutrition

Lecture Room: Live 6

Chair(s):
Fujita, S. [Japan]
Aokessson, J. [Sweden]

MO-PM10-1
The effects of low and high carbohydrate diet on weight and fat loss: during energy restriction for athletes in short-term
Toguchi, M. [Japan]

MO-PM10-2
Lactotriptides supplementation affects brachial arterial diameter and maximal isometric force following high-intensity eccentric exercise
Togawa, K. et al. [Japan]

MO-PM10-3
Does caffeine supplementation lead to dehydration in tennis performance in caffeine-naive players?
Mesquita, R. et al. [Portugal]

MO-PM10-4
A seven-day high-fat, high-energy diet impairs glycemic control but does not disrupt the postprandial acylated ghrelin response to a mixed meal
Parry, S. et al. [United Kingdom]

MO-PM10-5
Effect of lactoferrin on lipolytic activity upon catecholamine stimulation in 3T3-L1 adipocytes
Sakamoto, S. et al. [Japan]

MO-PM10-6
Long-term vitamin D3 supplementation prevents vitamin D deficiency
Backx, E. et al. [Netherlands]

MO-PM10-7
Influence of a 5-day fasting period on isometric maximal strength and jumping height of healthy young adults
Hentz, C. et al. [Germany]

MO-BN06 Cognitive impairments and fatigue during exercise

Lecture Room: Live 8

Chair(s):
Place, N. [Switzerland]
Cortis, C. [Italy]

MO-BN07-1
Mental exertion does not affect elite cyclists
Marini, K. et al. [Australia]

MO-BN07-2
Adaptation of leg extensor muscle activity to repeated maximal contractions
Takanaka, M. et al. [Japan]

MO-BN07-3
Changes in magnitude and origin of fatigue during repeated maximal contractions
O’Bryan, S.J. et al. [Australia]

MO-BN07-4
Is perception of effort impacted by electromagnetic stimulation during muscle contractions?
Pageaux, B. et al. [France]

MO-BN07-5
Benefits of high-intensity interval training for enhancing hipocampus-dependent spatial learning and memory
Ohorazauza, A. et al. [Japan]

MO-BN07-6
Central sensorimotor activation during eccentric vs. concentric quadriceps femoris contractions
Vogt, T. et al. [Germany]

MO-BN07-7
Peripheral and central adjustments differ between proximal and distal muscles of the upper limb during fatigue
Abdelmoula, A. et al. [Belgium]
Thursday, June 25th
14:00 - 15:00

**MO-PM13 Health & Fitness: Lifestyle**

**Lecture Room: High Live 1**

Chair(s): Eek, F. [Sweden]

**MO-PM13-1**

Is steps per day an adequate alternative indicator for achieving a target level of moderate-to-vigorous physical activity in young adult women? Kumahara, H. et al [Japan]

**MO-PM13-2**

Influence of dog walking on the physical activities and life changes of owners. Furumoto, K. et al [Japan]

**MO-PM13-3**

Circadian rhythm of activity levels: influence of chronotype. Bruno, E. et al [Italy]

**MO-PM13-4**

Physical fitness of middle-aged women: effects of systematized exercise. Silvatti, A. et al [Brazil]

**MO-PM13-5**

Genetic and environmental influences on motives for leisure-time physical activity behavior. Aaltonen, S. et al [Finland]

**MO-PM13-6**

Racer aerobic fitness norms for Kasetsart University students. Outayank, B. [Thailand]

**MO-PM13-7**

The relationship between intramyocellular or extramyocellular lipid contents and cardiovascular disease risks in different cardiorespiratory fitness levels. Hasegawa, N. et al [Japan]

**MO-PM13-8**

The relationship between exercise in nature and the tendency of spirituality. Nigorikawa, T. et al [Japan]

**MO-PM13-9**

Exercise training on Gotu-Kakizaki rats: inflammation state before the beneficial effects. Macia, M. et al [France]

**MO-PM15 Health & Fitness: Mixed session**

**Lecture Room: Kuben**

Chair(s): Nyberg, M. [Denmark]

**MO-PM15-1**

Characteristics of runners walking and/or stopping in the second half of marathon races. Mori, H. et al [Japan]

**MO-PM15-2**

Slow walking & turn' training for health promotion of the elderly. Araki, M. et al [Japan]

**MO-PM15-3**

Pacer aerobic fitness norms for Kasetsart University students. Outayank, B. [Thailand]

**MO-PM15-4**

The relationship between intramyocellular or extramyocellular lipid contents and cardiovascular disease risks in different cardiorespiratory fitness levels. Hasegawa, N. et al [Japan]

**MO-PM15-5**

The characteristics of physical and physical fitness between South Korea elite national track & field men players. Son, B.J. et al [Korea, South]

**MO-PM15-6**

Pelvic floor exercise technique after six weeks of training among healthy pregnant women – a randomized controlled trial. Szumilewicz, A. et al [Poland]

**MO-PM15-7**

Exercise training on Gotu-Kakizaki rats: inflammation state before the beneficial effects. Macia, M. et al [France]

**MO-PM15-8**

The role of the African swimming federations in the promotion of health: protection of the athlete’s health and promotion of swimming for health of the general population. Perez Diaz, C. et al [Spain]

**MO-PM15-9**

Effects of water immersion in various water levels on urine volume and subjective micturition during water exercise. Wada, T et al [Japan]

**MO-PM15-10**

Relationship between short-form health SF36 questionnaire and oxygen uptake (VO2 MAX) in healthy workers. Burgos, S. et al [Spain]

**MO-PM17 Physiology: Endurance**

**Lecture Room: High Live 2**

Chair(s): Abbiss, C. [Australia]

**MO-PM17-1**

The relationship between intramyocellular or extramyocellular lipid contents and cardiovascular disease risks in different cardiorespiratory fitness levels. Hasegawa, N. et al [Japan]
MO-PM17-1
Exercise-induced pain tolerance predicts time trial cycling performance
Mauger, A.R. et al (United Kingdom)

MO-PM17-2
The effect of response inhibition on critical power and the anaerobic work capacity
Salmén, H. et al (United Kingdom)

MO-PM17-3
The VO2 max is related to the VO2 work rate slope at submaximal ramp exercise
Niemeyer, M. et al (Germany)

MO-PM17-4
The effect of carbohydrate mouth rinse on simulated x-c sprint performance
Kårdström, A. et al (Sweden)

MO-PM17-5
Myoglobin and NGAL changes in ultramarathon runners after the race
Novak, J. et al (Czech Republic)

MO-PM17-6
Effects of low-intensity exercise in the morning on physiological response during unsteady workload exercise in the evening
Nishimura, K. et al (Japan)

MO-PM17-7
Longer training experience induced greater efficient systolic function in endurance elite athletes
Calle-Herrero, J. et al (Spain)

MO-PM17-8
Effect of sambo dance in cardiopulmonary fitness and body composition in women dancers
Duarte, C. et al (Brazil)

MO-PM17-9
Gawroñski, J. et al (Poland)

MO-PM19 Physiology: Thermoregulation, Fatigue
Lecture Room: High Live 3
Chair(s):
Girard, O. (Switzerland)
Levels, K. (Netherlands)

MO-PM19-1
Combined effects of hyperthermia and circadian rhythm on aerobic and anaerobic performances in the heat
Olah, H. et al (Japan)

MO-PM19-2
Is a perceptual strain index substituting thermal comfort for thermal sensation a more appropriate predictor of physiological strain?
Borg, D.N. et al (Australia)

MO-PM19-3
Sex comparison of leukocyte Hsp72 Mrna up regulation during heat acclimation
Mee, J.A. et al (United Kingdom)

MO-PM19-4
Effect of cold exposure on proprioception and cognitive function
Raciunas, S. et al (Katar)

MO-PM19-5
Core body temperature relationships with other physiological variables during incremental cycling test
Donk2013, ex&263., S. et al (Slovenia)

MO-PM19-6
Hit in the Heat: A Hot New Combination?
Akerman, A.P. et al (New Zealand)

MO-PM19-7
The effect of mental fatigue on physical performance, a systematic review
Van Cutsen, J. et al (Belgium)

MO-PM19-8
Are motor-related electro-cortical markers modulated by an acute endurance exercise?
Spring, J. et al (Switzerland)

MO-PM21 Physiology: Energy metabolism
Lecture Room: High Live 4
Chair(s):
Westerblad, H. (Sweden)
Gray, S. (United Kingdom)

MO-PM21-1
The metabolic cost of cycling at 0 W compared to physiologically estimated internal
Giorgi, H. et al (Hong Kong)

MO-PM21-2
High intensity interval training in non-alcoholic steatohepatitis: A case report.
Mateo-Cubo, F. et al (Spain)

MO-PM23 Physiology: Mixed session
Lecture Room: Live 1
Chair(s):
Willems, M. (United Kingdom)

Platen, P. (Germany)

MO-PW3-1
Comparison of carbohydrate and fat oxidation during maximal incremental cycle ergometer exercise testing in obese and lean adults
Braun, M. et al (Germany)

MO-PW3-2
Effects of hydrogen-rich water intake on work rate at lactate threshold
Yoshimura, S. et al (Japan)

MO-PW3-3
Repeatability of the depletion of muscle glycogen after prolonged and high intensity exercise
Osawa, T. et al (Japan)

MO-PW3-4
Does stretching have a facilitative effect on recovery from acute stress response?
Fukuie, T. et al (Japan)

MO-PW3-5
Is cortisol concentration dependent on intensity training?
Garcia-Valverde, A. et al (Spain)

MO-PW3-6
Non-minimal responses to sprint exercises under different hypoxic conditions
Kim, H. et al (Korea, South)

MO-PW3-7
More pronounced response to exercise in healthy relatives to type 2 diabetics compared to controls
Ekmann, C. et al (Sweden)

MO-PW3-8
Comparison of carbohydrate and fat oxidation after maximal incremental cycle ergometer exercise testing in obese and lean adults
Karatsalos, S. et al (Germany)

MO-SH2 Social science and sport
Lecture Room: Live 2
Chair(s):
Donnelly, P. (Canada)
Gems, G. (United States)

Platen, P. (Germany)

MO-SH2-1
Women’s football – between local enthusiasm and global success
Skogvang, B. (Norway)

MO-SH2-2
Will it make me an insider? Migrant women’s participation in sports in the Helsinki area
Grochowski, P. (Germany)

MO-SH2-3
Who has the power of the development of sport, the media or the sport?
Nybelius, M. (Sweden)

MO-SH2-4
A qualitative study of the female pre-service elementary teachers’ experiences during teacher training for physical education
Shin, K. (Korea, South)

MO-SH2-5
Research on the promotion of sport for older people in China
Hou, H. (China)

MO-SH2-6
Mind the gap: Youth professional football players negotiating the gap between dreams and realities
Fundberg, J. (Sweden)

MO-SH2-7
Turning a space into a place: A study of migrants’ hashing practice in Taiwan
Chuang, P. (Taiwan)

MO-SH2-8
Children’s culture and motor skills learning
Mello, A. (Brazil)

MO-SH2-9
Hockey… and then what? Generations of players facing education
Morel, O. (Switzerland)
Mini-Oral Presentations

MO-SH07 Sport management
LECTURE ROOM: LIVE 3
Chair(s):
Parry, J. [Czech Republic]
Houlihan, B. [United Kingdom]

MO-SH07-1
THE SURVEY OF ORGANIZATIONAL COMMITMENT AND CLIMATE OF ORGANISATION OF TURKISH SPORTS SCIENTISTS
Yildiz, O.D. et al [Turkey]

MO-SH07-2
Mega Sporting Events and the Development of Sport Sciences in Brazil
Reppold Filho, A.R. [Brazil]

MO-SH07-3
THE INVESTIGATION OF THE FACTORS AFFECTING STADIUM ATTENDANCE OF PROFESSIONAL FOOTBALL CLUB SUPPORTERS
Soygunden, A. et al [Turkey]

MO-SH07-4
EXPLORING THE RELATIONSHIPS AMONG PLACE ATTACHMENT, PLACE IDENTITY, TEAM IDENTIFICATION, AND FAN LOYALTY
Tai, W. [Taiwan]

MO-PM25 Rehabilitation and Physiotherapy: Physiotherapy/Osteopathy
LECTURE ROOM: LIVE 4
Chair(s):
Maffulli, N. [Switzerland]

MO-PM25-1
A PILOT TEST ON THE EFFECT OF STATIC STRETCHING ON REDUCING THE INCIDENCE OF MUSCULOSKELETAL DISORDERS AMONG TEACHERS IN HONG KONG
Leung, P.L. et al [Hong Kong]

MO-PM25-2
RELATIONSHIP BETWEEN CHANGE IN MUSCLE STRENGTH AT DIFFERENT MUSCLE CONTRACTION SPEEDS AND CHANGE OF COMFORTABLE GAIT SPEED IN AMBULATORY POST-STROKE PATIENTS
Shinose, R. et al [Japan]

MO-PM25-3
EFFECTIVITY OF SLACKLINE TRAINING IN PHYSIOTHERAPY
Kung, U. et al [Switzerland]

MO-PM25-4
INCREASED ENERGY EXPENDITURE DURING ADL BY ELECTRICAL SIMULATION-INDUCED LEG MUSCLE ACTIVATION IN SPINAL CORD INJURY Patients
Janssen, T.V.J. et al [Netherlands]

MO-PM25-5
HIGH INTENSITY INTERVAL TRAINING TO IMPROVE FITNESS IN CHILDREN WITH CEREBRAL PALSY
Moholdt, T. et al [Norway]

MO-PM25-6
ACUTE ADAPTATIONS OF SPASTICITY-RELATED IMPAIRMENTS AFTER WHOLE BODY VIBRATION – EFFECTS ON STRETCH REFLEX RESPONSES, VOLUNTARY MUSCLE ACTIVATION AND MOBILITY
Krause, A. et al [Germany]

MO-PM25-7
GOAL-SETTING PRACTICE IN THE SPORT PHYSICAL REHABILITATION SETTING: A PRELIMINARY STUDY ABOUT THE PERCEPTION AND THE USE OF GOAL SETTING AMONG ITALIAN SPORT PHYSICAL THERAPISTS
Sambruni, A. et al [Italy]

MO-PM25-8
COGNITIVE FUNCTIONS OF PARKINSON’S DISEASE PATIENTS CAN IMPROVE WITH PHYSICAL EXERCISE
Gobi, L. et al [Brazil]

MO-PM25-9
EFFECT OF RADIOFREQUENCY HYPERTERMA TREATMENT IN RUNNING BIOMECHANICAL PARAMETERS
Dulaberto, I. et al [Spain]

MO-PM25-10
PREVALENCE OF BACK PAIN IN ELITE ROWERS
Felt, J. et al [Germany]

MO-PM25-11
PREDICTIVE VALUE OF LOWER LUMBAR MUSCULOSKELETAL SCREENING FOR INJURY RISK IN ELITE AUSTRALIAN FOOTBALL PLAYERS
Quan, D. et al [Australia]

MO-PM27 Sports Medicine and Orthopedics: Orthopedics
LECTURE ROOM: LIVE 5
Chair(s):
Stenroth, L. [Finland]
Lamberts, R. [South Africa]

MO-PM27-1
PREVALENCE OF BACK PAIN IN ELITE ROWERS
Felt, J. et al [Germany]

MO-PM27-2
MONITORING PERCEIVED STRESS, RECOVERY AND NON-TRAUMATIC LOWER EXTREMITY INJURIES IN COMPETITIVE RUNNERS
Otte, R.T.A. et al [Netherlands]

MO-PM27-3
PREDICTIVE VALUE OF LOWER LUMB MUSCULOSKELETAL SCREENING FOR INJURY RISK IN ELITE AUSTRALIAN FOOTBALL PLAYERS
Quan, D. et al [Australia]

MO-PM27-4
MUSCULOSKELETAL INJURIES IN ELITE JUNIOR TENNIS PLAYERS
Felt, J. et al [Germany]

MO-PM27-5
PREVALENCE OF BACK PAIN IN ELITE FIELD HOCKEY PLAYERS
Fett, D. et al [Germany]

MO-PM27-6
CHARACTERISTICS OF INTRATENDINOUS MICRO-CIRCULATION SHORTLY AFTER AN ACHILLES RUPTURE AND TREATMENT OUTCOMES AFTERWARD
Wang, H.K. et al [Taiwan]

MO-PM27-7
POTENTIAL UTILITY OF VIBRATIONAL ANALYSIS FOR EARLY DETECTION OF SPONDYLOLISTHESIS
Takahara, N. et al [Japan]

MO-PM27-8
A COMPARISON OF NATURAL KNEE AND TOTAL KNEE ARTHROPLASTY KINEMATICS DURING THE GOLF SWING
Malloy, M. et al [Ireland]

MO-PM27-9
RELIABILITY AND CONSTRUCT VALIDITY OF VISUAL RATING OF POSTURAL ORIENTATION IN PEOPLE WITH OR WITHOUT MUSCULOSKELETAL DISORDER OF THE LOWER EXTREMITY – A SYSTEMATIC REVIEW
Almqvist, J. et al [Sweden]

MO-PM27-10
BODY CHARACTERISTICS OF PROFESSIONAL JAPANESE KIERN CYCLISTS: AN INVESTIGATION OF FLEXIBILITY, PELVIC TILT, AND MUSCLE STRENGTH
Tashra, Y. et al [Japan]

MO-PM45 Real life threats to sport performance
LECTURE ROOM: LIVE 6
Chair(s):
Cortis, C. [Italy]
Ericsson, I. [Sweden]

MO-PM45-1
THE EFFECT OF DECEPTIVE INFORMATION ABOUT RECEIVING COOLING ON PACING PATTERN DURING A 20-KM CYCLING TIME TRIAL IN THE HEAT
Levels, K. et al [Netherlands]

MO-PM45-2
ACTIVE RECOVERY AND COLD-WATER IMMERSION ARE NOT SUPERIOR TO PASSIVE RESTING AFTER ECENTRIC SQUAT EXERCISE
Doeweling, A. et al [Germany]

MO-PM45-3
DEVELOPMENT OF THE ATHLETES RECRUITING SYSTEM IN CYCLIC SPORTS BASED ON INDIVIDUAL MORPHOFUNCTIONAL AND GENETICS PARAMETERS
Yeavalik, S.V. et al [Belarus]

MO-PM31 Molecular Biology and Biochemistry: Molecular signaling/response
LECTURE ROOM: LIVE 7
Chair(s):
Murphy, R. [Australia]
Ichinose-ekine, N. [Japan]

MO-PM31-1
EXPRESSION OF MICRORNA-208B AND MYOSTATIN ARE INVERSELY CORRELATED, BOTH AFTER SPINAL CORD INJURY IN HUMANS AND IN RESPONSE TO OVEREXPRESSION IN VIVO IN RODENTS
Boon, H. et al [Sweden]

MO-PM31-2
SPORTOMICS ANALYSIS OF METABOLIC RESPONSES IN OLYMPIC RUNNERS USING A 100M DASH RACE AS A MODEL
Magno Franca, A. et al [Brazil]

MO-PM31-3
TWELVE WEEKS OF UNCOMPPLICATED RESISTANCE TRAINING INCREASES LEAN BODY MASS AND REDUCES MARKERS OF MUSCLE ATROPHY IN OLDER ADULTS
Egan, B. et al [Ireland]

MO-PM45-4
FOLLOW-UP OF THE QUANTITY OF SLEEP OF 7 FEMALE GYMNASTS IN PREPARATION OF AND DURING THE WORLD CHAMPIONSHIPS ARTISTIC GYMNASTICS 2014
Dumortier, J. et al [Belgium]

MO-PM25-2
HIGH INTENSITY INTERVAL TRAINING TO IMPROVE FITNESS IN CHILDREN WITH CEREBRAL PALSY
Otte, R.T.A. et al [Netherlands]

MO-PM25-3
PREDICTIVE VALUE OF LOWER LUMB MUSCULOSKELETAL SCREENING FOR INJURY RISK IN ELITE AUSTRALIAN FOOTBALL PLAYERS
Quan, D. et al [Australia]

MO-PM25-4
MUSCULOSKELETAL INJURIES IN ELITE JUNIOR TENNIS PLAYERS
Fett, J. et al [Germany]

MO-PM25-5
PREVALENCE OF BACK PAIN IN ELITE FIELD HOCKEY PLAYERS
Fett, D. et al [Germany]

MO-PM25-6
CHARACTERISTICS OF INTRATENDINOUS MICRO-CIRCULATION SHORTLY AFTER AN ACHILLES RUPTURE AND TREATMENT OUTCOMES AFTERWARD
Wang, H.K. et al [Taiwan]

MO-PM25-7
POTENTIAL UTILITY OF VIBRATIONAL ANALYSIS FOR EARLY DETECTION OF SPONDYLOLISTHESIS
Takahara, N. et al [Japan]

MO-PM25-8
A COMPARISON OF NATURAL KNEE AND TOTAL KNEE ARTHROPLASTY KINEMATICS DURING THE GOLF SWING
Malloy, M. et al [Ireland]

MO-PM25-9
RELIABILITY AND CONSTRUCT VALIDITY OF VISUAL RATING OF POSTURAL ORIENTATION IN PEOPLE WITH OR WITHOUT MUSCULOSKELETAL DISORDER OF THE LOWER EXTREMITY – A SYSTEMATIC REVIEW
Almqvist, J. et al [Sweden]

MO-PM27-10
BODY CHARACTERISTICS OF PROFESSIONAL JAPANESE KIERN CYCLISTS: AN INVESTIGATION OF FLEXIBILITY, PELVIC TILT, AND MUSCLE STRENGTH
Tashra, Y. et al [Japan]

MO-PM45 Real life threats to sport performance
LECTURE ROOM: LIVE 6
Chair(s):
Cortis, C. [Italy]
Ericsson, I. [Sweden]

MO-PM45-1
THE EFFECT OF DECEPTIVE INFORMATION ABOUT RECEIVING COOLING ON PACING PATTERN DURING A 20-KM CYCLING TIME TRIAL IN THE HEAT
Levels, K. et al [Netherlands]

MO-PM45-2
ACTIVE RECOVERY AND COLD-WATER IMMERSION ARE NOT SUPERIOR TO PASSIVE RESTING AFTER ECENTRIC SQUAT EXERCISE
Doeweling, A. et al [Germany]

MO-PM45-3
DEVELOPMENT OF THE ATHLETES RECRUITING SYSTEM IN CYCLIC SPORTS BASED ON INDIVIDUAL MORPHOFUNCTIONAL AND GENETICS PARAMETERS
Yeavalik, S.V. et al [Belarus]

MO-PM31 Molecular Biology and Biochemistry: Molecular signaling/response
LECTURE ROOM: LIVE 7
Chair(s):
Murphy, R. [Australia]
Ichinose-ekine, N. [Japan]
**Thursday, June 25th, 2015**

**15:00 - 16:00**

**MO-PM14 Health & Fitness: Children, Team Sports**

LECTURE ROOM: HIGH LIVE 1
Chair(s):
Sørensen, M. [Norway]
Resaland, G. [Norway]

**MO-PM14-1**
ACCEPTABILITY AND FEASIBILITY OF AN INTERNET-BASED INTERVENTION TO INCREASE PHYSICAL ACTIVITY AMONG ADOLESCENTS
Grieben, C. et al [Germany]

**MO-PM14-2**
IS PHYSICAL ACTIVITY OF ADOLESCENTS AND THEIR BEST CLASSMATES ASSOCIATED? A PILOT STUDY IN LITHUANIAN, NORWEGIAN AND SWEDISH HIGH SCHOOLS
Karvelyte, V. et al [Lithuania]

**MO-PM14-3**
EFFECT OF THE ROTATIONAL SPEED OF THE ROPE IN A PERSON TURNING A LONG JUMP ROPE ON THE HEART RATE AND OXYGEN UPTAKE
Yoshida, N. et al [Japan]

**MO-PM14-4**
RESIDENCE AND LIFESTYLE PARAMETERS IN YOUNGSTERS
Farkas, A. et al [Hungary]

**MO-PM14-5**
ACADEMIC ACHIEVEMENT, OBESITY AND LOW FITNESS IN JAPANESE ADOLESCENTS
Morita, N. et al [Japan]

**MO-PM14-6**
ESTABLISHMENT OF MEASUREMENT SYSTEM REGARDING SIMILARITY OF MONOZYGOTIC AND DIZYGOTIC TWINS
Fujii, K. [Japan]

**MO-PM16 Physiology: Strength**

LECTURE ROOM: KUBEN
Chair(s):
Jakobi, J. [Canada]
Seynnes, O. [Norway]

**MO-PM16-1**
EFFECT OF AN INTENSIVE STRENGTH TRAINING MICROCYCLE ON RESTING HEART RATE VARIABILITY
Schneider, C. et al [Germany]

**MO-PM16-2**
THE EFFECT OF FUNCTIONAL OVERREACHING ON HEART RATE VARIABILITY AND PERCEPTIONS OF TRAINING TOLERANCE
Bellenger, C. et al [Australia]

**MO-PM16-3**
INCREASED SATELLITE CELL PROLIFERATION WHEN CULTURED WITH POST-EXERCISE SERUM: ROLE OF TESTOSTERONE?
Luk, H.Y. et al [United States]

**MO-PM16-4**
HIGH-DOSE INHALED SALBUTAMOL DOES NOT INCREASE 10-KM TIME-TRIAL PERFORMANCE IN TRAINED CYCLISTS
Koch, S. et al [Canada]

**MO-PM16-5**
EFFECT OF ALTITUDE TRAINING ON MUCOSAL IMMUNITY AND SLEEP IN ELITE CROSS-COUNTRY SKIERS
Svendsen, I. et al [United Kingdom]

**MO-PM16-6**
EFFECTS OF REDUCED ARTERIAL CO2 PRESSURE ON VENTILATORY AND CEREBROVASCULAR RESPONSES DURING PROLONGED EXERCISE IN THE HEAT
Tsui, B. et al [Japan]

**MO-PM16-7**
THE RELATIONSHIP BETWEEN MUSCLE THICKNESS AND MUSCLE VOLUME: AMT IS A RELIABLE INDICATOR IN ASSESSING CHANGES IN SKELETAL MUSCLE MASS OF THE LOWER LIMBS IN RESPONSE TO RESISTANCE TRAINING
Franchi, M.V. et al [United Kingdom]
Mini-Oral Presentations

MO-PM16-8  
EFFECT OF A TAILED, 12-WEEK, MODERATE-INTENSITY, STRENGTH TRAINING PROGRAM ON INDIVIDUALS WITH ATYPOMORPHIC LATERAL SCLEROSIS  
Ferri, A. [Australia]

MO-PM16-9  
PLOS AND MUSCLE STRENGTH: PRELIMINARY RESULTS IN NORMAL WEIGHT WOMEN  
Dond, S. et al [Italy]

MO-PM18-1  
DIVING RESPONSE DURING DRY STATIC APNEA: COMPARISON BETWEEN ELITE MALE AND FEMALE DIVERS  
Magnani, S. et al [Italy]

MO-PM18-2  
IMPORTANCE OF ANTHROPOMETRIC, HAEMODYNAMIC, AND RESPIRATORY PARAMETERS TO DETERMINE PERFORMANCE DURING BREATH-HOLD DIVING  
Tocco, F. et al [Italy]

MO-PM18-3  
THE EFFECTS OF HIGH INTENSITY PHYSICAL TRAINING ON ADIPOKINES OF MEN WITH METABOLIC SYNDROME  
Santo, D. L. et al [Brazil]

MO-PM18-4  
A COMPARATIVE STUDY OF LOW VOLUME HIGH INTENSITY INTERVAL TRAINING VERSUS MODERATE INTENSITY CONTINUOUS TRAINING FOR A RECREATIONALLY ACTIVE POPULATION  
Hughes, B. et al [Ireland]

MO-PM18-5  
PSC-1&γH45, GENE EXPRESSION INDUCED BY INTERVAL EXERCISE AT LACTATE THRESHOLD  
Ryo, A. et al [Japan]

MO-PM18-6  
LARGER BETA SYNCHRONIZATION IN ELDERLY SUGGESTS BRAIN-RELATED ADAPTATIONS IN SELECTIVE INHIBITORY PROCESSES  
Barral, J. et al [Switzerland]

MO-PM18-7  
BLUNTED ANGIogenesis AND HYPERtROPHY ARE ASSOCIATED WITH INCREASED FATIGUE RESISTANCE AND UNCHANGED AERobic CAPACITY IN OLD OVERLOADED MOUSE MUSCLE  
Balko, S.B. et al [Netherlands]

MO-PM18-8  
A COMPARISON OF ELASTIC BAND-BASED HIGH-SPEED POWER TRAINING AND TRADITIONAL LOW-SPEED STRENGTH TRAINING ON COGNITIVE FUNCTION, PHYSICAL PERFORMANCE, AND MUSCLE STRENGTH IN OLDER WOMEN WITH MILD COGNIT  
Yoon, D. H. et al [Korea, South]

MO-PM20-1  
METABOLIC RESPONSES TO ACUTE HYPOXIA AND MODERATE INTENSITY NORMOXIC EXERCISE IN HUMANS  
Duncan, B. et al [United Kingdom]

MO-PM20-2  
THE RELATIONSHIP BETWEEN CHANGES IN BRA-CHIAL-ANKLE PULSE WAVE VELOCITY AND BLOOD PRESSURE AFTER SHORT-TERM HYPOBARIC HYPOXYC TRAINING  
Ogita, F. et al [Japan]

MO-PM20-3  
ASSESSMENT OF CARDIOVASCULAR ADJUSTMENTS DURING MOTORCYCLE RIDING  
Penna, V. et al [Italy]

MO-PM20-4  
EFFECT OF AGE ON BLOOD FLOW KINETICS DURING PLANTAR FLEXION EXERCISE  
Askev, C.D. et al [Australia]

MO-PM20-5  
THE EFFECTS OF CONTINUOUS AND INTERVAL AEROBIC EXERCISE ON BLOOD PRESSURE  
Hosenzadeh-Ganabadi, A. et al [Iran]

MO-PM20-6  
THE EFFECTS OF INTERVAL EXERCISE AT LACTATE THRESHOLD ON PULSE PRESSURE AMPLIFICATION  
Wollseiffen, P. et al [Germany]

MO-PM20-7  
THE EFFECT OF PROLONGED EXERCISE ON BRAIN ACTIVITY MODIFIED BY EFFORT  
Wollseiffen, P. et al [Germany]

MO-PM20-8  
THE EFFECT OF EXTREMITY-RELATED PHYSICAL EXERTION ON REACTIVE AGILITY IN RUGBY LEAGUE PLAYERS  
Minova, D. et al [United Kingdom]

MO-PM20-9  
HEART RATE VARIABILITY: CONVENIENCE, MEASUREMENTS AND MONITORING  
Gene-Sanahuja, P. [Spain]

MO-PM20-10  
THE EFFECTS OF GRADUATED COMPRESSION STOCKINGS ON SKIN TEMPERATURE IN RUNNING  
Gil-Calvo, M. et al [Spain]

MO-PM21-1  
THE INFLUENCE OF UNILATERAL AND BILATERAL LOAD CARRIAGE ON GAIT AND STATIC POSTURE OF YOUNG HEALTHY MALES  
Inoue, Y. [Japan]

MO-PM21-2  
TOTAL PEPTIDE YY CONCENTRATIONS FOLLOWING SHORT TERM CONSUMPTION OF VEGETARIAN DIETS  
Silalertdetkul, S. et al [Thailand]

MO-PM22-1  
A COMPARISON OF ELASTIC BAND-BASED HIGH-SPEED POWER TRAINING AND TRADITIONAL LOW-SPEED STRENGTH TRAINING ON COGNITIVE FUNCTION, PHYSICAL PERFORMANCE, AND MUSCLE STRENGTH IN OLDER WOMEN WITH MILD COGNIT  
Yoon, D. H. et al [Korea, South]

MO-PM22-2  
THE EFFECTS OF CONTINUOUS AND INTERVAL AEROBIC EXERCISE ON BLOOD PRESSURE  
Hosenzadeh-Ganabadi, A. et al [Iran]

MO-PM22-3  
ASSESSMENT OF CARDIOVASCULAR ADJUSTMENTS DURING MOTORCYCLE RIDING  
Penna, V. et al [Italy]

MO-PM22-4  
THE EFFECTS OF EXTREMITY-RELATED PHYSICAL EXERTION ON REACTIVE AGILITY IN RUGBY LEAGUE PLAYERS  
Minova, D. et al [United Kingdom]

MO-PM22-5  
THE EFFECT OF PROLONGED EXERCISE ON BRAIN ACTIVITY MODIFIED BY EFFORT  
Wollseiffen, P. et al [Germany]

MO-PM22-6  
HEART RATE VARIABILITY: CONVENIENCE, MEASUREMENTS AND MONITORING  
Gene-Sanahuja, P. [Spain]

MO-PM22-7  
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Wollseiffen, P. et al [Germany]

MO-PM22-8  
THE EFFECT OF PROLONGED EXERCISE ON BRAIN ACTIVITY MODIFIED BY EFFORT  
Wollseiffen, P. et al [Germany]

MO-PM22-9  
HEART RATE VARIABILITY: CONVENIENCE, MEASUREMENTS AND MONITORING  
Gene-Sanahuja, P. [Spain]

MO-PM22-10  
THE EFFECTS OF GRADUATED COMPRESSION STOCKINGS ON SKIN TEMPERATURE IN RUNNING  
Gil-Calvo, M. et al [Spain]
ECSS Malmö 2015 - Sweden, 24-27 June

Thursday, June 24th, 2015

MO-SH08 Sociology/Sport management I

LECTURE ROOM: LIVE 3
Chair(s): Andersson, M. [Sweden] Londos, M. [Sweden]

MO-SH08-1 SPORT TOURISM IN KOSOVO – THE IMPACT OF HIKING Berisha, V. [Kosovo]

MO-SH08-2 INVESTIGATION THE BARRIERS REVENUE FROM SPORTS TOURISTS Hernott, J. et al [Iran]

MO-SH08-3 ORAL PRESENTATION Pledes-Alvarez, M.C. et al [Colombia]

MO-SH08-4 THE IMPACT OF DEVELOPING SUSTAINABLE FACILITIES ON LOCAL SPORTS PARTICIPATION: THE ITALIAN CASE Masoni, I. [Italy]

MO-PM26 Rehabilitation and Physiotherapy: Orthopedic rehabilitation

LECTURE ROOM: LIVE 4
Chair(s): Maffioletti, N. [Switzerland] Stenroth, L. [Finland]

MO-PM26-1 INTRAR- AND INTER-RATER RELIABILITY OF STANDING HIP FLEXION STRENGTH AND SUPINE LUMBO-PEVIC CONTROL IN PATIENTS WITH LONGSTANDING HIP AND GROIN PAIN Pålsson, A. et al [Sweden]

MO-PM26-2 RETURN TO PLAY AFTER ACHILLES TENDON Rupture in elite soccer player: a case report Fanchini, M. et al [Italy]

MO-PM26-3 LOWER LUMB MUSCLE WEAKNESS IN PATIENTS WITH SYMPTOMATIC HIP OSTEARTHRITIS Friesenbichler, B. et al [Switzerland]

MO-PM26-4 EFFECT OF LOW-INTENSITY PULSED ULTRASONIC TREATMENT ON HIP DYSFUNCTION AFTER RADICAL RROPPING PROCEDURE IN PATIENTS WITH FRACTURES OF THE FEMUR Kolarova, M. et al [Czech Republic]

MO-PM26-5 ERROR-REDUCED OBJECT CONTROL SKILLS TRAINING FROM RESEARCH TO PRACTICE Capo, C.M. et al [Hong Kong]

MO-PM26-6 PREDICTORS OF ONSET OF MOBILITY DIFFICULTY IN AMBULATORY PATIENTS UNDERGOING MAINTENANCE HEMODIALYSIS Ishikawa, R. et al [Japan]

MO-PM26-7 EXERCISE INTENSITY DOES NOT AFFECT POST-RESISTANCE EXERCISE HYPOTHESIS IN TREATED HYPTENSION ELDERLY FEMALES Rodriguez, D. [Brazil]

MO-PM26-8 POSTURAL CONTROL DURING STAR EXCURSION BALANCE TEST Karagiannakis, D. et al [Greece]

MO-PM28 Sports Medicine and Orthopedics: Mixed session I

LECTURE ROOM: LIVE 5
Chair(s): Nyberg, M. [Denmark] Aagaard, P. [Denmark]

MO-PM28-1 EFFECTS OF INTERVAL EXERCISE TRAINING ON BLOOD PRESSURE AND ENDOTHELIAL FUNCTION IN PRE- AND HYPERTENSIVE PATIENTS Park, J.J. et al [Korea, South]

MO-PM28-2 THE EFFECT OF HIGH-INTENSITY INTERVAL EXERCISE AND RESISTANCE EXERCISE ON BLOOD PRESSURE IN NON-OBESE ADULTS* Shi, Q. [Macau]

MO-PM28-3 PREVALENCE AND CHARACTERISTICS OF EARLY REPOLARIZATION IN MACAO AMATEUR MALE ATHLETES: ELECTROCARDIOGRAM * Nie, J. [Macau]

MO-PM28-4 EFFECT OF MUSIC TYPE ON HEART RATE VARIABILITY DURING RECOVERY FROM MODERATE INTENSITY EXERCISE Liang, I.J. et al [Taiwan]

MO-PM28-5 EXERCISE PERFORMANCE IMPAIRMENT IN AN ELITE ENDURANCE ATHLETE AND HORMONAL CONTRAACEPTIVE: IS THERE A LINK? CASE REPORT Heinicke, K. et al [Germany]

MO-PM28-6 EFFECT OF MUSIC TYPE IN LACTATE CLEARANCE AND CARBOXYPLASM ANATE INCREASED INCREASES IN COMPETITIVE ALPINE SKIERS Lee, P.Y. et al [Taiwan]

MO-PM28-7 PHYSICAL ACTIVITY AND GESTATIONAL WEIGHT GAIN, POSTPARTUM WEIGHT RETENTION AND INFANT’S BIRTH WEIGHT AMONG WOMEN AT RISK OF GESTATIONAL DIABETES Leppänen, M. [Finland]

MO-PM30 Sports Medicine and Orthopedics: Gender

LECTURE ROOM: LIVE 6
Chair(s): Sandbakk, Ø. [Norway] Thomas, R. [Denmark]

MO-PM30-1 OXIDANT/ANTIOXIDANT MARKERS IN FEMALE SOCCER PLAYERS WITH AND WITHOUT PREMENSTRUAL SYNDROME *Foster, R. et al [Brazil]

MO-PM30-2 GENDER DIFFERENCES IN KNEE ABDUCTION DURING WEIGHT-BEARING ACTIVITIES: A SYSTEMATIC REVIEW AND META-ANALYSIS Cronstrom, A. et al [Sweden]

MO-PM30-3 THE EFFECT OF ORAL CONTRACEPTIVES ON ATHLETIC PERFORMANCE IN FEMALE ATHLETES Nakamura, M. et al [Japan]

MO-PM30-4 CROSSFIT INJURIES – A DESCRIPTIVE SURVEY-BASED RETROSPECTIVE STUDY Larsen, C. et al [Denmark]

MO-PM30-5 THE DIFFERENCES OF SHOULDER ROTATION AGONIST/ANTAGONIST TORQUE RATIO BETWEEN BASEBALL PLAYERS AND NON-PLAYERS IN DIFFERENT TESTING VELOCITIES AT VARIOUS JOINT POSITION Lin, S. [Taiwan]

MO-PM30-6 PREVENTION OF ANTERIOR CRUCIATE LIGAMENT INJURIES IN COMPETITIVE ALPINE SKIERS Westlin, M. [Sweden]

MO-PM30-7 THE LONG-TERM USE OF LONG ACTING INHIBITORS IMPROVES SPRINT AND STRENGTH PERFORMANCE Merlini, M. [United Kingdom]

MO-PM30-8 BALANCING THE IMBALANCE OF STROKE SURVIVORS WITH BACKWARD SCROLL WALKING ON DIFFERENTIAL TREADMILL GRADIENTS Agbonlahor, E. [Nigeria]

MO-PM30-9 BMD OF MIDDLE- AND OLD-AGED MALES UNDERGOING SHUTTLECOCK KICKING WITH DIFFERENT STYLES AND DURATIONS Ding, H. [China]

MO-PM32 Sport Technology

LECTURE ROOM: LIVE 7
Chair(s): Araujo, D. [Portugal] Linnamo, V. [Finland]

MO-PM32-1 CRITERION VALIDITY AND RELIABILITY OF REAL-TIME GPS FOR THE MEASUREMENT OF TEAM SPORT ACTIVITY Minett, G. et al [Australia]

MO-PM32-2 THE IMPACT OF DEVELOPING SUSTAINABLE FACILITIES ON LOCAL SPORTS PARTICIPATION: THE ITALIAN CASE Masoni, I. [Italy]

MO-PM32-3 QUANTITATIVE, MULTISCALE PROFILING OF MOVEMENT AND ACTIVITY IN CHILDREN Clark, C. et al [United Kingdom]

MO-PM32-4 RATING AND ACTIVITY IN CHILDREN Clark, C. et al [United Kingdom]

MO-PM32-5 THE IMPACT OF DEVELOPING SUSTAINABLE FACILITIES ON LOCAL SPORTS PARTICIPATION: THE ITALIAN CASE Masoni, I. [Italy]

MO-PM32-6 CRITERION VALIDITY AND RELIABILITY OF REAL-TIME GPS FOR THE MEASUREMENT OF TEAM SPORT ACTIVITY Minett, G. et al [Australia]

MO-PM32-7 THE IMPACT OF DEVELOPING SUSTAINABLE FACILITIES ON LOCAL SPORTS PARTICIPATION: THE ITALIAN CASE Masoni, I. [Italy]
**Mini-Oral Presentations**

**MO-PM32-6**
A NOVEL WIRELESS ELECTRONIC DEVICE TO DIRECTLY MONITOR TV VIEWING TIME  
Alomnadi, M.A. [Saudi Arabia]

**MO-PM32-7**
VALIDITY OF THE WAHOO KICKR POWER TRAINER AND RELIABILITY OF A 4 KM CYCLE TIME TRIAL  
Zadov, E.K. et al [Australia]

**MO-PM34 Neuromuscular Physiology: Coordination**

**Lecture Room: LIVE 8**  
Chair(s): Geertsen, S. [Denmark] Blazevich, A. [Australia]

**MO-PM34-1**
BILATERAL DEFICIT CONTRIBUTION OF POSTURAL ADJUSTMENTS TO TORQUE PRODUCTION  
Simoneau-Buessinger, E. et al [France]

**MO-PM34-2**
INVESTIGATION OF MOTOR UNIT SHORT-TERM SYNCHRONIZATION IN STERNOCLEIDOMASTOID MUSCLES  
Bo Cing, Y. et al [Taiwan]

**MO-PM34-3**
REACTION TIME IN UPPER EXTREMITIES FOLLOW A PROXIMAL-DISTAL GRADIENT THAT MIGHT BE LINKED TO NEURO-PHYSIOLOGICAL DIFFERENCES  
Aune, M.A. et al [Norway]

**MO-PM34-4**
CORTICOSPINAL EXCITABILITY AND INTERHEMISPHERIC INHIBITION  
Oueguenou, N. et al [France]

**MO-PM34-5**
DIFFERENCE BETWEEN MECHANOMYOGRAPHIC AND ELECTROMYOGRAPHIC RESPONSES TO ISOMETRIC CONTRACTIONS OF BICEPS BRACHII AT DIFFERENT ELBOW JOINT ANGLES  
Shima, N. et al [Japan]

**MO-PM34-6**
SHORT-TERM LOW-LOAD BLOOD FLOD RESTRICTED EXERCISE IMPROVES MECHANICAL MUSCLE FUNCTION AND NEUROMUSCULAR ACTIVATION  
Nielsen, J.L. et al [Denmark]

**Friday, June 26th**

**15:00 - 16:00**

**MO-PM37 Training and Testing: Fatigue and neuromuscular physiology**

**Lecture Room: HIGH LIVE 1**  
Chair(s): Nosaka, K. [Australia] Ritzmann, R. [Germany]

**MO-PM37-1**
BRAIN OXYGENATION, CARDIOVASCULAR RESPONSES AND RUNNING PERFORMANCE WEARING A COMPRESSION GARMENT  
Leoz-Abaurrea, I. et al [Spain]

**MO-PM37-2**
EXERCISE-INDUCED MUSCLE DAMAGE MARKERS DURING A FAMILIARIZATION PROTOCOL TO ECCENTRIC CYCLING  
Tornaghi, M. et al [Italy]

**MO-PM37-3**
EFFECTS OF DIFFERENT RECOVERY INTERVENTIONS FOLLOWING A HALF MARATHON ON MARKERS OF FATIGUE AND RECOVERY IN RECREATIONAL RUNNERS  
Wevelhove, T. et al [Germany]

**MO-PM37-4**
METABOLIC PROFILE OF BODY MASS-BASED SQUAT EXERCISE IN HEALTHY YOUNG MEN  
Haramura, M. et al [Japan]

**MO-PM37-5**
PHYSIOLOGICAL RESPONSES TO TWO CONSECUTIVE SIMULATED TAEKWONDO MATCHES <4X1.5 MIN> IN ELITE YOUNG ATHLETES  
Nikolaidis, P. et al [Greece]

**MO-PM37-6**
COMPARISON OF METHODS TO IDENTIFY THE ANAEROBIC THRESHOLD ON A BICYCLE ERGOMETER  
Kovács-Bacz, É. et al [Czech Republic]

**MO-PM37-7**
UNIQUE ACTIVATION OF THE QUADRICEPS FEMORIS DURING MULTI-JOINT EXERCISE: IMPLICATIONS FOR TRAINING-SPECIFICITY OF INDIVIDUAL MUSCLES  
Emo, R. et al [Japan]

**MO-PM37-8**
MUSCLE SYNERGIES OF LOWER LIMBS DURING VERTICAL JUMP  
Takagi, H. et al [Japan]

**MO-PM38 Training and Testing: Strength**

**Lecture Room: KUBEN**  
Chair(s): Tiidus, P. [Canada] Kay, A. [United Kingdom]

**MO-PM38-1**
TRAINING OUTPUT MONITORING SCALE IN SOCCER  
Muñoz-Lopez, A. et al [Spain]

**MO-PM38-2**
SPRINT KINETICS AND KINEMATICS ON A NON-MOTORISED TREADMILL ARE UNIQUE TO POSITION IN RUGBY ATHLETES  
Brown, S.R. et al [New Zealand]

**MO-PM38-3**
MONITORING OF TRAINING LOAD AND FATIGUE IN YOUTH CYCLISTS  
Kilian, Y. et al [Germany]

**MO-PM38-4**
INCREASED HAIR CORTISOL LEVELS IN FEMALE ENDURANCE ATHLETES THROUGH ALTITUDE TRAINING: A USEFUL DIAGNOSTIC TOOL FOR OVERTRAINING  
Bamba, A. et al [Japan]

**MO-PM38-5**
BILATERAL SQUAT SYMMETRY PRI AND POST A 7 WEEK TRAINING PROGRAM FOR SURFING ATHLETES  
Lundgren, L. et al [Australia]
ECSS Malmö 2015 - Sweden, 24-27 June

MO-PM35-6
ELBOW ANGLE CHANGES DURING THE UNDER-WATER STROKE PHASE IN SPRINT-ASSISTED TRAINING FOR COMPETITIVE SWIMMERS
Tanaka, T. et al [Japan]

MO-PM35-7
EFFECTS OF 8 WEEKS OF OKINETIC TRAINING ON POWER, GOLF KINEMATICS, AND CLUB HEAD SPEED IN ELITE GOLFERS
Parker, J. M. et al [Sweden]

MO-PM35-8
THE EFFECTS OF 8 WEEKS OF PLYOMETRIC TRAINING ON SPRINT AND JUMP PERFORMANCE IN FEMALE HIGH SCHOOL BASKETBALL PLAYERS
Bens, R. et al [Italy]

MO-PM35-9
EFFECTIVENESS OF 4-WEEK LOADED MOVEMENT OR BODYWEIGHT TRAINING IN IMPROVING THE THICKNESSES OF THE DEEP AND SUPERFICIAL ABDOMINAL MUSCLES IN COLLEGIATE STUDENTS
Izumi, S. et al [Japan]

MO-PM35-10
ACUTE EFFECTS OF ONE-LEGGED STRETCHING ON REGIONAL ARTERIAL STIFFNESS IN HEALTHY YOUNG MEN
Yamato, Y. et al [Japan]

MO-PM38 Training and Testing: Team Sports I

LECTURE ROOM: HIGH LIVE 2
Chair(s):
Close, G. [United Kingdom]
He, Z. [China]

MO-PM38-1
RELATIONSHIP BETWEEN HEIGHT, BODY MASS AND RUNNING SPEED PERFORMANCES IN YOUTH MALL SOCCER PLAYERS
Måtheisen, G. et al [Norway]

MO-PM38-2
DEVELOPMENT AND RELIABILITY OF THE COLORADO COLLEGE ANAEROBIC CAPACITY TEST <CAT>
Bull, A. et al [United States]

MO-PM39 Training and Testing: Team Sports II

LECTURE ROOM: HIGH LIVE 3
Chair(s):
Wagner, H. [Austria]
Ali, A. [New Zealand]

MO-PM39-1
THE EFFECTS OF RECOVERY TIME ON REPEATED SPRINT ABILITY IN SOCCER PLAYERS
Podulo, J. et al [Italy]

MO-PM39-2
ANALYSIS OF INTENSITY OF EXERCISE LOAD OF BASKETBALL PLAYERS IN A CHAMPIONSHIP MATCH IN THE CADETS CATEGORY – CASE STUDY
Volo, R. et al [Czech Republic]

MO-PM39-3
THE INFLUENCE OF SMALL SIDED GAMES PITCH SIZE ON INTERNAL AND EXTERNAL LOAD
Malone, S. et al [Ireland]

MO-PM39-4
EARLY PREDICTION OF MAXIMAL HEART RATE DURING INCREMENTAL TESTING IN YOUNG SOCCER PLAYERS
Di Michele, R. et al [Italy]

MO-PM39-5
PERFORMANCE CHANGES IN YOUNG TENNIS PLAYERS: A DESCRIPTIVE REVIEW OF STUDIES AND PROCEDURES
Pepa, J. et al [Spain]

MO-PM39-6
COMPLEX STAGE TESTING IN YOUNG SOCCER PLAYERS
Berdnikova, A. et al [Russia]

MO-PM40 Training and Testing: Endurance

LECTURE ROOM: HIGH LIVE 4
Chair(s):
Levels, K. [Netherlands]
Sandbak, Ø. [Norway]

MO-PM40-1
ACCURACY OF PREDICTIVE MAXIMAL HEART RATE EQUATIONS IN FEMALES ATHLETES
Relly, E. et al [United States]

MO-PM40-2
RELATIONSHIP BETWEEN AEROBIC FITNESS AND MATCH ACTIVITY PROFILES OF JAPANESE YOUNG SOCCER REFEREES
Yoshikawa, I. et al [Japan]

MO-PM40-3
COMPARISON OF OXYGEN UPTAKE KINETICS DURING LABORATORY AND FIELD CYCLING AT HIGH-INTENSITY EXERCISE
Prinz, B. et al [Australia]

MO-PM40-4
THE D-MAX METHOD IS A VALID LACTATE THRESHOLD MEASUREMENT FOR PREDICTING 5-KM TREADMILL RUNNING PERFORMANCE IN VETERAN ATHLETES
Forsyth, J. [United Kingdom]

MO-PM40-5
A SPECIFIC REPEATED SPRINT ABILITY TEST FOR YOUNG TENNIS PLAYERS: VALIDITY AND VENTILATORY CHANGES
Martinez-Cantó, A. et al [Spain]

MO-PM40-6
INTERVAL SPRINT TRAINING INCREASES AEROBIC CAPACITY IN PRIMARY SCHOOL CHILDREN
Kappenstein, J. et al [Germany]

MO-PM40-7
EFFECT OF DIFFERENT TIME-AVERAGING INTERVALS ON THE VALID DETERMINATION OF VO2PEAK IN CHILDREN AND ADOLESCENTS WITH CHRONIC KIDNEY DISEASE
Herhaus, B. et al [Germany]

MO-PM40-8
IS HEART RATE A VALID MEASURE TO MONITOR EXERCISE INTENSITY DURING TRAIL RUNNING IN UNDULATING TERRAIN?
Born, D.P. et al [Germany]

MO-PM41 Training and Testing: Endurance & Clinical

LECTURE ROOM: LIVE 1
Chair(s):
Willems, M. [United Kingdom]
Evans, W. [United States]

MO-PM41-1
VALIDATION OF A SINGLE BLOOD LACTATE MEASURE AS A PRACTICAL ALTERNATIVE TO FIXED BLOOD LACTATE THRESHOLDS IN ATHLETES
Garcia-Tabar, I. et al [Spain]

MO-PM41-2
PHYSIOLOGICAL CHARACTERISTICS AND PERFORMANCE ANALYSIS OF MONZA-RESEGO NIGHT-RUN ATHLETES
Zaccaria, D. et al [Italy]

MO-PM41-3
DOES SELF-STRUCTURED RUNNING IMPROVE RUNNING ECONOMY AND VO2MAX IN NOVICE RUNNERS; A 31-WEEK PROSPECTIVE STUDY
Rokkedal-Lausch, T. [Denmark]

MO-PM41-4
A NEW TREADMILL TEST TO EVALUATE AEROBIC INDICES FROM UPHILL RUNNING
de Lucas, R. et al [Brazil]

MO-PM41-5
DEVELOPMENT AND RELIABILITY OF THE COLORADO COLLEGE ANAEROBIC CAPACITY TEST <CAT>
Bull, A. et al [United States]

MO-PM41-6
CRITICAL VELOCITY DOES NOT REFLECT STEADY STATE EXERCISE IN LONG TRACK SPEED SKATING
Mulder, R. et al [Netherlands]

MO-PM41-7
IDENTIFYING TRAINING THAT IMPROVED PERFORMANCE; ANALYSIS OF LARGE GPS TRAINING DATASETS IN WELL-TRAINED RUNNERS
Passfield, L. et al [United Kingdom]

MO-PM41-8
INTERINDIVIDUAL VARIATION IN THE RELATIONSHIP OF DIFFERENT INTENSITY MARKERS – A CHALLENGE FOR TARGETTED TRAINING PRESCRIPTIONS
Ali, A. et al [New Zealand]

MO-PM41-9
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MO-PM41-11
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MO-PM42-2
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MO-PM42-3
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MO-PM42-4
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MO-PM42-5
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MO-PM42-6
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MO-PM42-7
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Piocentini, M.F. et al [Italy]

MO-PM42-8
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Schwindling, S. et al [Germany]

MO-PM42-9
EFFECTS OF ISCHEMIC PRECONDITIONING ON PERFORMANCE MAY BE PARTLY A PLACEBO EFFECT?
Marcolino, M. et al [Brazil]

MO-ShO9 Psychology III
LECTURE ROOM: LIVE 3
Chair(s):
Biddle, S. [Australia]
Huffer, V. [Netherlands]

MO-ShO9-1
THE RELATIONSHIP BETWEEN SEX ROLES AND NARCISSISM AND SELF-ESTEEM IN SPORT MANAGERS
Zargari, T. [Iran]

MO-ShO9-2
CAREER TRANSITIONS AND OCCUPATIONAL WELL-BEING IN LEADERSHIP: THE CASE OF WOMEN AS SPORTS COACHES
Daidymus, F.F. et al [United Kingdom]

MO-ShO9-3
DO DRIVE FOR MUSCULARITY, BODY ESTEEM, SELF-EFFICACY AND PHYSICAL ACTIVITY LEVEL DIFFER BETWEEN SELECTED AND NON-SELECTED MALE AND FEMALE CANDIDATES TO OFFICER CANDIDATE SCHOOLS?
Stornæs, A V. et al [Norway]

MO-PM43 Training and Testing: Coordination & Agility
LECTURE ROOM: LIVE 4
Chair(s):
Niccol, C. [France]
Nassiss, G. [Qatar]

MO-PM43-1
FOAM ROLLING OF THE ANKLE DORSIFLEXORS AND PLANTARFLEXORS DOES NOT AFFECT VERTICAL JUMP PERFORMANCE IN YOUNG HEALTHY ADULTS
Semper, F. et al [Germany]

MO-PM43-2
STRENGTH AND BALANCE DEVELOPMENT IN FEMALE SOCCER PLAYERS
Roth, R. et al [Switzerland]

MO-PM43-3
COMPARISON OF VARYING INTENSITIES ON MUSCLE ACTIVATIONS DURING BENCH PRESS IN TRAINED AND UNTRAINED MEN
Jeon, H.S. et al [Korea, South]

MO-PM43-4
THE EFFECTS OF 8-WEEKS BALANCE TRAINING ON BALANCE, AGILITY AND JUMPING SKILLS OF COLLEGIATE ACTIVE FEMALE
Sahin, F.N. et al [Turkey]

MO-PM43-5
ACCELERATION, AGILITY AND CHANGE OF DIRECTION SPEED OF SUB-ELITE U-15 SOCCER PLAYERS: VARIATION BY PLAYING POSITION
Lo, K.K. et al [Hong Kong]

MO-PM43-6
EFFECTS OF DIFFERENT PACESETTERS DURING CYCLOERGOMETER EXERCISE
Leece, D. et al [Italy]

MO-PM43-7
THE RELATIONSHIP BETWEEN SEX ROLES AND NARCISSISM AND SELF-ESTEEM IN SPORT MANAGERS
Zargar, T. [Iran]

MO-PM44 Training and Testing: Mixed
LECTURE ROOM: LIVE 5
Chair(s):
Hodsdon-Tole, E. [United Kingdom]
Mikhail, A. [Qatar]

MO-PM44-1
CHANGES IN PHYSICAL PERFORMANCE AND BODY COMPOSITION OF SOLDIERS DURING A 6-MONTH CRISIS MANAGEMENT OPERATION
Pihlainen, K. et al [Finland]

MO-PM44-2
A NEW ESTIMATION METHOD FOR MALE ATHLETE’S TOTAL SKELETAL MUSCLE MASS BY USING ULTRASONOGRAPHY: DIFFERENCE OF PREDICTION MODEL WITH SEDENTARY POPULATION
Toda, Y. et al [Japan]

MO-PM44-3
SENSIBILITY OF THE VO2PEAK AND ANAEROBIC CAPACITY TO MATURATION STAGES AND THEIR POSSIBLE RELATION WITH SWIMMING PERFORMANCE
Campos, E.Z. et al [Brazil]

MO-PM44-4
THE ACUTE EFFECTS OF DIFFERENT STRETCHING PROTOCOLS ON TAEKWONDO KICKING PERFORMANCE
Bauer, M. et al [Turkey]

MO-PM44-5
THE ACUTE EFFECTS OF DIFFERENT STRETCHING PROTOCOLS ON TAEKWONDO KICKING PERFORMANCE
Bauer, M. et al [Turkey]

MO-PM44-6
SHOULDER STRENGTH RATIOS OF BOXER ATHLETES
Tasiopoulos, I.G. et al [Greece]

MO-PM44-7
DETERMINATION OF ANAEROBIC THRESHOLD’S CORRECTION FACTORS IN DIFFERENT INTERMITTENT TRAINING SETS IN SWIMMING
Gobbi, R.B. et al [Brazil]

MO-PM44-8
EFFECTS OF CONTRAST BATHING ON AUTONOMIC NERVOUS ACTIVITY
Ito, H. et al [Japan]

MO-PM44-9
THE EFFECTS OF 8-WEEKS BALANCE TRAINING ON BALANCE, AGILITY AND JUMPING SKILLS OF COLLEGIATE ACTIVE FEMALE
Sahin, F.N. et al [Turkey]

MO-PM44-10
IS THE EKBLOM-BAK TEST A VALID SCREENING TOOL FOR VO2PEAK IN HIGHLY ACTIVE INDIVIDUALS?
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MO-PM44-11
VALIDATION OF TWO SUBMAXIMAL EXERCISE TESTS IN BREAST CANCER PATIENT’S UNDERGOING CHEMOTHERAPY TREATMENT
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MO-PM44-12
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MO-PM44-13
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Stornæs, A V. et al [Norway]

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Zargar, T. [Iran]

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PACING ACCURACY DURING AN INCREMENTAL STEP TEST IN ADOLESCENT SWIMMERS
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MO-PM44-26
PACING STRATEGY, MOOD AND HORMONAL RESPONSE IN YOUTH ATHLETES DURING OFFICIAL TRIATHLON AND TRIATHLON COMPETITIONS
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MO-PM44-29
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MO-PN29-4 INVESTIGATION OF THE ADEQUATE METHOD OF LIQUID INTAKE FOR DOPING CONTROL 2 Tanabe, Y. et al [Japan]

MO-PN29-5 INVESTIGATION OF THE ADEQUATE METHOD OF LIQUID INTAKE FOR DOPING CONTROL Etsuko, K. et al [Japan]

MO-PN29-6 THE CHALLENGES AND NEEDS FACED BY NATIONAL SWIMMING FEDERATIONS IN PROMOTING HEALTH de la Cruz Marquez, J. et al [Spain]

MO-PN29-7 INCIDENCE OF INJURIES AND ASSOCIATED FACTORS IN TRADITIONAL WRESTLING Casals, M. et al [Spain]

MO-PN29-8 LIFESTYLE OF RUGBY PLAYERS IN COLOMBIA: A PILOT STUDY Martinez-Rueda, R. et al [Colombia]

MO-PN29-9 SPORTS INJURIES DURING THE 2014 WORLD UNIVERSITY FLOORBALL CHAMPIONSHIP Mukherjee, S. et al [Singapore]

MO-PN36 Training and Testing: Strength and neuromuscular physiology

LECTURE ROOM: LIVE 7 Chair(s): Raastad, T. [Norway] Baudry, S. [Belgium]

MO-PN36-1 PERIODIZED MAXIMUM STRENGTH AND POWER TRAINING-INDUCED CHANGES IN MUSCLE ACTIVATION LEVEL AND CONCOMITANT CHANGES IN FORCE PRODUCTION Peltonen, H. et al [Finland]

MO-PN36-2 RELATIONSHIP BETWEEN MUSCLE POWER PRODUCED IN THE ACCELERATION AND THE DECELERATION PHASE OF TRUNK ROTATIONS WITH DIFFERENT WEIG Zernikova, E. et al [Slovakia]

MO-PN36-3 EVALUATION OF TRAINING LOAD DURING SUSPENSION TRAINING: IS SESSION-RPE A VALID METHOD? Giancotti, G.F. et al [Italy]

MO-PN36-4 MUSCULAR ACTIVITIES DURING NORMAL, SPEED, AND JUMP BASED PUSH UP EXERCISE Song, S.H. et al [Korea, South]

MO-PN36-5 THE ANALYSIS OF YOUNG TENNIS PLAYERS UPPER EXTREMITY MUSCLE STRENGTH CONTRA-LATERAL IMBALANCE DURING A ONE YEAR STUDY Zuo, A. et al [Latvia]

MO-PN36-6 POST-ACTIVATION POTENTIATION VS. FATIGUE USING TWO ISOMETRIC STRENGTH TRAINING PROTOCOLS: EFFECTS ON TWITCH TORQUE Pukkas, D. et al [Greece]

MO-PN36-7 ADAPTATIONS IN MOTONEURON AND MOTOR UNIT PROPERTIES TO THE CHRONIC COMPENSATORY MUSCLE OVERLOAD Krutk, P. et al [Poland]

MO-PN36-8 INVESTIGATION OF THE NEUROMUSCULAR CONTROL AND PLASTICITY OF INTRINSIC FOOT MUSCLE ACTIVATION IN HUMAN Mlewa, K. et al [United Kingdom]

MO-BN14 Sports statistics & Analysis III

LECTURE ROOM: LIVE 10 Chair(s): Araujo, D. [Portugal] Jahnner, T. [Germany]

MO-BN14-1 ACTIVITY PROFILE OF 'LA LIGA' SOCCER PLAYERS DURING A SEASON Buscà, B. et al [Spain]

MO-BN14-2 QUANTIFICATION OF NUMBER AND APPEARANCE RATIO OF A BALL CONTROL PLAY FACING OPPONENT'S GOAL IN SOCCER. Kai, T. et al [Japan]

MO-BN14-3 RELATIONSHIP BETWEEN CONTRACTION INTENSITY AND MUSCLE HARDNESS ASSESSED BY REAL-TIME ELEASTOGRAPHY FOR THE ELBOW FLEXORS AT DIFFERENT JOINT ANGLES Inani, T. et al [Japan]

MO-BN14-4 POST-ACTIVATION POTENTIATION VS. FATIGUE USING TWO ISOMETRIC STRENGTH TRAINING PROTOCOLS: EFFECTS ON TWITCH TORQUE Pukkas, D. et al [Greece]

MO-BN14-5 COMPARISON OF MUSCLE ELASTICITY BETWEEN PASSIVE AND ACTIVE CONDITION Kato, E. et al [Japan]

MO-BN14-6 EVALUATION OF FORCE VELOCITY AND POWER VELOCITY RELATIONSHIP OF ARM MUSCLES NedeÄ†koÄ‡, A. et al [Serbia]

MO-BN14-7 MUSCULOTENDINOUS MECHANICAL PROPERTIES AND LOWER LIMB MORPHOLOGY IN TRACK AND FIELD ATHLETES Hisano, T. et al [Japan]

ECSS Malmö 2015 - Sweden, 24-27 June
PP-UD01-4-44
EFFECT OF 12 WEEK NON-SUPERVISED WORK PLACE INTERVENTION ON DEPRESSION AND WORK ABILITY OF EMPLOYEES OF UNIVERSITY IN SAUDI ARABIA
Tomar, R. et al (Saudi Arabia)

PP-UD01-4-45
EFFECTS OF FOUR MONTHS OF PERIODIZED AQUATIC EXERCISE PROGRAM ON FUNCTIONAL AUTONOMY IN POST-MENOPAUSAL WOMEN WITH PARKINSON’S DISEASE
Ochoa Martinez, P. (Mexico)

PP-UD01-4-46
PROMOTING OFFICE STANDING VIA POINT OF CHOICE PROMPTS: EFFECTS ON SITTING TIME, CONCENTRATION AND NEUROMUSCULAR PERFORMANCE IN OFFICE WORKERS
Zahner, L. et al (Switzerland)

PP-UD01-4-47
ORTHOREXIC EATING BEHAVIOR IN RELATION TO HEALTH STATUS AND PHYSICAL ACTIVITY: A COMPARISON BETWEEN STUDENTS IN TWO UNIVERSITY PROGRAMS
Malmborg, J. et al (Sweden)

PP-UD01-4-48
EFFECTS OF 12-WEEK CIRCUIT WEIGHT TRAINING AND AEROBIC EXERCISE ON BODY COMPOSITION, PHYSICAL FITNESS, AND PULSE WAVE VELOCITY IN OBESE COLLEGIATE WOMEN
Kang, H. et al (Korea, South)

PP-UD01-4-49
PHYSICAL ACTIVITY DURING PE LESSON AND AFTER-SCHOOL HOURS: ARE THEY ASSOCIATED WITH CHILDREN DAILY PHYSICAL ACTIVITY?
Cheung, P. (Hong Kong)

PP-UD01-4-50
THE RELATIONSHIP BETWEEN AEROBIC FITNESS AND COGNITIVE PERFORMANCE: ROLE OF BRAIN POTENTIALS
Sun, J. et al (Taiwan)

Molecular Biology and Biochemistry

PP-UD01-6-1
INFLUENCE OF PHYSICAL EXERCISE AND/ OR ENALAPRIL IN THE ASSOCIATION BETWEEN HYPERTENSION AND SLEEP-RELATED MOVEMENT DISORDERS
Frank, K.K. et al (Brazil)

PP-UD01-6-2
SERUM TAS-LIGAND AND MR-21 LEVELS AND THEIR ASSOCIATIONS WITH PHYSICAL PERFORMANCE OF MASTER MALE SPRINTER – A 10 YEAR FOLLOW UP STUDY
Kangas, R. et al (Finland)

PP-UD01-6-3
WHETHER REGULAR EXERCISE IN THE JUVENILE PERIOD PREVENTS DEPRESSION-LIKE BEHAVIOUR IN THE MATURATION PERIOD
Nakajima, S. (Japan)

PP-UD01-6-4
OSTEOCALCIN GENE POLYMORPHISM AND BONE DENSITY IN HUNGARIAN ATHLETES
Bosnyak, E. et al (Hungary)

PP-UD01-6-5
THE EFFECT OF OXYGEN ON THE RECOVERY PROCESS OF DAMAGED SKELETAL MUSCLES – USING HG70 AS A MARKER – Sakura, T. (Japan)

PP-UD01-6-6
FIBRINOIDIC ACTIVITY IS INHIBITED AFTER ACUTE STRESSFUL EXERCISE IN YOUNG OVERWEIGHT MEN
Fukada, K. et al (Japan)

PP-UD01-6-7
INACTIVATION OF SOCS3 IN LEPTIN RECEPTOR EXPRESSING CELLS PROTECTS MICE FROM HYPER-AMIGD AND WEIGHT REGAIN AFTER A CALORIE-RESTRICTED PERIOD
Jodo, P. et al (Brazil)

Neuromuscular Physiology

PP-UD01-8-1
ECCENTRIC, BUT NOT CONCENTRIC PEAK TORQUE IS RELATED WITH COUNTERMOVEMENT JUMP PERFORMANCE IN HIGH LEVEL POWER ATHLETES
Bogdanis, G. et al (Greece)

PP-UD01-8-2
DOMINANT VS NON-DOMINANT ARM EMG ACTIVITY DURING MENTALLY SIMULATED ISOMETRIC HAND CONTRACTIONS IN RIGHT HANDERS
Pazis, C. et al (Finland)

PP-UD01-8-3
ACTIVATION PATTERNS AND CO-ACTIVATION OF SHANK MUSCLES IN YOUNG CHILDREN AND ACTIVE SENIORS BEFORE AND AFTER A SLACKLINE BALANCE TRAINING INTERVENTION
Kurz, E. et al (Germany)

PP-UD01-8-4
EFFECTS OF DEPTH IN COLD WATER IMMERSION ON RECOVERY FROM PLYOMETRIC EXERCISE-INDUCED MUSCLE DAMAGE
Tseng, W.C. et al (Taiwan)

Motor Learning

PP-UD01-7-1
THE QUIET EYE TRAINING IN THE AIMING MOTOR SKILL: INFLUENCE ON MOVEMENT PREPARATION
Mizusaki, T. et al (Japan)

PP-UD01-7-2
EYE-BRAIN ACTIVITY IN DIFFERENTIAL CONTEXTUAL INTERFERENCE, AND CLASSICAL REPIETION ORIENTED BADMINTON SERVE TRAINING
Henz, D. et al (Germany)

PP-UD01-7-3
PERCEPTUAL TRAINING EFFECTS ON ANTICIPATION OF DIRECT AND DECEPTIVE 7-METER throws in handball
Alsharji, K. (Kuwait)

PP-UD01-7-4
SPORT AND IMAGINATION IN YOUNG SCHOOL ATHLETES WHO COMPETED IN KÜTAHYA
Eynur, B.R. et al (Turkey)

Eating Behavior

PP-UD01-8-15
EFFECTS OF TENDINOUS TISSUE ON THE TORQUE–ANGLE RELATIONSHIP OF THE KNEE JOINT
Wataru, T. (Japan)

PP-UD01-8-16
INFLUENCE OF DIFFERENT GROUNDING DURING WALKING ON CORTICAL ACTIVITY
Maus, J. et al (Germany)

Nutrition

PP-UD01-9-1
DIETARY NITRATE SUPPLEMENTATION: RELATIONSHIPS BETWEEN MUSCLE NITRATE CONCENTRATION, SUBMAXIMAL EXERCISE ECONOMY AND EXERCISE TOLERANCE
Kelly, J. et al (United Kingdom)

PP-UD01-9-2
AGE-RELATED MORPHOLOGICAL DEGENERATION OF THE MYELIN SHEATHS AND CAPILLARIES IN THE DISTAL TIBIAL NERVES WITH AGING OF RATS
Sakur, M. et al (Japan)

20th Annual Congress of the European College of Sport Science
EP-UD01-9-3
NUTRITIONAL PRACTICES IN TRAINED CYCLISTS PRIOR TO AND DURING AN ULTRA-ENDURANCE CYCLOSPORTIVE
Sparks, S.A. et al [United Kingdom]

EP-UD01-9-4
SODIUM CITRATE SUPPLEMENTATION ENHANCES TENNIS SKILL PERFORMANCE
Cunha, V.C.R. et al [Brazil]

EP-UD01-9-5
EFFECT OF NITRATE-RICH BEVERAGES ON AVERAGE POWER, PEAK POWER, HR, AND RPE IN MODERATELY ACTIVE YOUNG ADULTS
Gabel, K. et al [Ireland]

EP-UD01-9-6
PLASMA CREATINE KINETICS AFTER INGESTION OF NOVEL MICROENCAPSULATION DELIVERY FOR CREATINE MONOHYDRATE WITH ENHANCED STABILITY IN AQUEOUS SOLUTIONS
Hone, M. et al [Ireland]

EP-UD01-9-7
INTEREST OF CREATINE SUPPLEMENTATION IN SOCCER
Miny, K. et al [Belgium]

EP-UD01-9-8
THE EFFECTS OF CAFFEINE INGESTION TIMING ON ACUTE TESTOSTERONE AND CORTISOL RESPONSES TO RESISTANCE EXERCISE
Bo-Han, W. et al [Taiwan]

EP-UD01-9-9
PASSIVE SMOKING REDUCES AND VITAMIN C INCREASES EXERCISE-INDUCED OXIDATIVE STRESS: DOES THIS MAKE PASSIVE SMOKING AN ANTI-OXIDANT AND VITAMIN C A PRO-OXIDANT STIMULUS?
Theodorov, A.A. et al [Cyprus]

EP-UD01-9-10
CARBOHYDRATE SUPPLEMENTATION INCREASES HSP-70 CONCENTRATION AFTER STRENuous EXERCISE IN HYPOXIA
Coris, A. et al [Brazil]

EP-UD01-9-11
THE EFFECT OF DIFFERENT WEIGHT LOSS PERIOD ON THE DEHYDRATION STATE IN WRESTLERS
Mio, N. et al [Japan]

EP-UD01-9-12
THE INTERVENTION OF PHYSICAL EDUCATION TEACHERS TOWARDS STUDENTS WITH ADHD IN PRIMARY SCHOOL: A CASE STUDY
Labrador Roca, V. et al [Spain]

EP-UD01-9-13
THE EXAMINATION OF SELF-LIKING AND SELF-COMPETENCE LEVELS OF STUDENTS’ WHO DO/DON’T SPORT AND EDUCATED IN POLICE ACADEMY BITLIS VOCATIONAL HIGH SCHOOL
Yukor, A. et al [Turkey]

EP-UD01-9-14
THE EFFECT OF ENDURANCE EXERCISE AND RESISTANCE EXERCISE ON POST-PRANDIAL LIPEMIA
Wu, C. et al [Taiwan]

EP-UD01-9-15
ELEVATED TEMPERATURE ACCELERATES RECOVERY OF MOUSE AND HUMAN SKELETAL MUSCLE FOLLOWING FATIGUE
Fais, R. et al [Switzerland]

EP-UD01-9-16
EFFECTS OF AN OUT-OF-SCHOOL SPORT PROGRAM BASED ON THE PERSONAL AND SOCIAL RESPONSIBILITY MODEL TO ENHANCE POSITIVE YOUTH DEVELOPMENT
Carreres-Ponsoda, F. et al [Spain]

EP-UD01-9-17
ENGAGING AND EMPOWERING PRE-SERVICE TEACHERS IN PETE PROGRAM THROUGH PROBLEM BASED LEARNING AND EXPERIENTIAL LEARNING
Wen, W.W. et al [Taiwan]

EP-UD01-9-18
THE EFFECT OF A MEDITERRANEAN DIET ON INFLAMMATORY AND CARTILAGE DEGRADATION MARKERS IN OSTEARTHritIS
Davson, G. et al [United Kingdom]

EP-UD01-9-19
EFFECTS OF PROJECT-BASED LEARNING IN PE. BENEFITS AND PROBLEMS
Heszteráné Ekler, J. [Hungary]

EP-UD01-9-20
THE EFFECTS OF A DANCING PROGRAM ON THE SPATIAL CONCEPT OF KINDERGARTEN CHILDREN
Kuan, W.W. et al [Taiwan]

EP-UD01-9-21
THE EFFECT OF NITRATE-RICH BEVERAGES ON AVERAGE POWER, PEAK POWER, HR, AND RPE IN MODERATELY ACTIVE YOUNG ADULTS
Gabel, K. et al [Ireland]

EP-UD01-9-22
EFFECT OF PROBIOTICS SUPPLEMENTATION ON THE MEANINGFULNESS PERCEPTION AND THE ORGANIZATION IN THE PERSONALITY OF PHYSICAL EDUCATION SCHOOL IN BRAZIL - A CASE IN SANTA CATARINA
Manfroi, M.N. et al [Brazil]

EP-UD01-9-23
EFFECT OF LINCZI AND ELIXIR FENIX FOOD SUPPLEMENTS ON SPORTSMEN’S PHYSICAL AND FUNCTIONAL CAPACITY
Dadelenie, R. et al [Lithuania]

EP-UD01-9-24
THE EFFECT OF A HIGH CARBOHYDRATE INTAKE SUS- TAINABLE DURING ULTRA-ENDURANCE RUNNING EVENTS?
Mahon, E.A. et al [United Kingdom]

EP-UD01-9-25
INVESTIGATION ON THE KNOWLEDGE AND THE NOTION OF JUNIOR HIGH SCHOOL BOYS ABOUT GIRL’S MENSTRUATION
Yuko, F. et al [Japan]

EP-UD01-9-26
THE EFFECT OF NITRATE-RICH BEVERAGES ON AVERAGE POWER, PEAK POWER, HR, AND RPE IN MODERATELY ACTIVE YOUNG ADULTS
Gabel, K. et al [Ireland]

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THE EFFECT OF MEDITERRANEAN DIET ON INFLAMMATORY AND CARTILAGE DEGRADATION MARKERS IN OSTEARTHritIS
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EFFECTS OF A DANCING PROGRAM ON THE SPATIAL CONCEPT OF KINDERGARTEN CHILDREN
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THE EFFECT OF ENDURANCE EXERCISE AND RESISTANCE EXERCISE ON POST-PRANDIAL LIPEMIA
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EP-UD01-9-30
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EP-UD01-9-31
EFFECTS OF A DANCING PROGRAM ON THE SPATIAL CONCEPT OF KINDERGARTEN CHILDREN
Kuan, W.W. et al [Taiwan]
RIGHT VENTRICULAR LONGITUDINAL FUNCTION DETERMINES EXERCISE CAPACITY IN TENNIS PLAYERS
Nogami, Y. et al [Japan]

EFFECTS OF FUNCTIONAL ANKLE INSTABILITY ON COLLEGIATE FEMALE FOOTBALL PLAYERS’ PERFORMANCES
Oda, K. et al [Japan]

TRUNK MUSCLES ACTIVITIES DURING FREESTYLE SWIMMING STROKE
Iizuka, S. et al [Japan]

A FOUR WEEK ANALYSIS OF RECOVERY STATUS IN KOSOVAN YOUTH SOCCER PLAYERS
Gjaka, M. et al [Italy]

THE SOMATOTYPE OF AFRICAN SPORTS-MEN
Mimouni, N. et al [Algeria]

EFFECTS OF ECCENTRIC STRENGTH TRAINING IN RUNNING ECONOMY OF RECREATIONAL ENDURANCE RUNNERS
Festa, L. et al [Italy]

A METHODOLOGY FOR A TEAM PERFORMANCE SCORING SYSTEM FOR RUGBY UNION
Burt, E. et al [Hungary]

PHYSICAL CHARACTERISTICS AND THROWING PERFORMANCE OF YOUTH BASEBALL PITCHERS
Tsai, Y.S. et al [Taiwan]

THE INFLUENCE OF MODERATE INTENSITY EXERCISE IN WATER ON ARTERIAL STIFFNESS DURING RECOVERY PERIOD
Matsui, T. et al [Japan]

A RELATIONSHIP BETWEEN SINGLE LEG TASKS AND SIDESTEP CUTTING IN MALE RUGBY PLAYERS
Ito, W. et al [Japan]

THE DIAGNOSTICS OF ED ELEMENTS IN COMPETITIVE SPORT
Ozimek, M. et al [Poland]

THE EFFECT OF DEHYDRATION ON AIR-WAY INFLAMMATION IN JUDOISTS
Tomoko, I. et al [Japan]

THE RELATIONSHIP BETWEEN DIFFERENT PHYSICAL FACTORS IN MALE SOCCER PLAYERS
Kristoffersen, M. et al [Norway]

INJURY IN JAPANESE FEMALE UNIVERSITY JUDO ATHLETES
Saho, Y. et al [Japan]

INJURY IN COLLEGIATE-LEVEL AMERICAN FOOTBALL PLAYERS
Hakkaku, T. et al [Japan]
**Artinis Medical Systems B.V.**

**THE NETHERLANDS**

Artinis makes optical imaging and oxygenation measurements easy and affordable with fit to purpose solutions. Artinis produces flexible, versatile and easily upgradable equipment like the multichannel Oxymon and also wireless NIRS systems, the PortaMon and PortaLite. These have the size of a cell-phone and can be used inside and outside.

http://www.artinis.com

**Aspetar**

**QATAR**

Aspetar is the first specialised Orthopaedic and Sports Medicine Hospital in the Gulf region. It provides the highest possible medical treatment for sports-related injuries in a state-of-the-art facility, staffed by some of the world's leading sports medicine practitioners and researchers. Through the delivery of excellence in sports medicine, physiotherapy, sports science, orthopaedic surgery and rehabilitation, Aspetar services the needs of football and Sports Clubs and Federations throughout the state of Qatar, and regularly services international athletes and professional sportspersons. In 2009, Aspetar was officially accredited by F-MARC as a FIFA Medical Centre of Excellence.

http://www.aspetar.com

**BIOPAC Systems, Inc.**

**USA**

BIOPAC lets you measure physiology anywhere with innovative solutions that can be used by anyone for meaningful discovery. We make high-quality scientific tools for physiology measurement and interpretation with superior compatibility and world-class customer service and support and empower cutting edge tools that inspire endless discovery in ambulatory, lab, real-world, and virtual environments.

http://www.biopac.com

**Broderiet i Kungsbacka AB/New Wave Profile**

**SWEDEN**

New Wave Profile, T-shirts, Craft, Sports, College, Piké, Polo

http://www.broderiet.se

**CamNtech Ltd.**

**UNITED KINGDOM**

CamNtech provides wearable solutions for objective monitoring of Energy Expenditure, Physical Activity, HRV, ECG, EEG, EMG, Sleep and Patient Reported Outcome.

We provide complete solutions with innovative hardware and advanced analysis software. Our range of scientifically validated products has appropriate regulatory approvals and we are ISO1345:2003 certified.

http://www.camntech.com/

**CareFusion Germany 234 GmbH**

**GERMANY**

With over 60 years’ experience CareFusion’s Respiratory Diagnostics division is active in over 120 countries and headquartered in Germany and USA. With over 500 employees at Carefusion R&D, we strive to continue the rich tradition of supplying reliable, professional and accessible cardiopulmonary diagnostic devices and services such as the JÉGER Oxygen Mobile or the JÄGER Vnitus CPX.

http://www.carefusion.com

**Catapult Sports Pty Ltd**

**UNITED KINGDOM**

Catapult empowers elite coaches globally with scientifically-validated metrics for the advancement of athlete performance. Catapult engineers wearable technology that provides objective information behind athlete risk, readiness and return to play. The company was born out of the Australian Institute of Sport (AIS) and a scientific research organization and provides an all-encompassing solution with research-based insights to athlete management.

http://catapultsports.com/

**CliniLab/Brain Products**

**FINLAND**

Brain Products dedicates itself to the research and understanding of the human brain and nervous system. With versatile hardware and software solutions the company enriches the complex and fascinating neurophysiological market.

http://www.clinilab.com

**Concept / Woodway / Tanita**

**SWEDEN**

Our company offers high quality products for medical testing and evaluation as well as for sport performance. Scales and body analysis products. Treadmills for high performance requirements and for medical research.

http://www.concept.se

**Contemplas GmbH**

**GERMANY**

CONTEMPLAS GmbH, with its headquarter in Kempten/Germany, develops and distributes worldwide software solutions for general motion analysis in the sport and medicine market. With the motion analysis software TEMPLEO and VICON MOTUS, CONTEMPLAS offers the possibility to do professional motion analysis in different fields of application and integrates other systems, such as EMG, pressure and force measurement.

http://www.contemplas.com

**CORTEX Biophysik GmbH**

**GERMANY**

As world market leader in mobile Cardiopulmonary Exercise Testing systems CORTEX is pleased to present to you at the ECSS comprehensive information about professional athletes' performance diagnostics. Our
diagnostic systems allow our customers to obtain precise measurement results in the areas of: performance diagnostics, training evaluation, prevention, therapy and rehabilitation.
http://www.cortex-medical.com

**COSMED S.r.l.**
ITALY
With more than 30 years of experience in the Sport & Performance field, COSMED provides the best and most comprehensive Cardiopulmonary, Metabolic and Body Composition solutions for the Research, Sport Science and human Performance fields.
http://www.cosmed.com

**Delsys Inc.**
USA
Delsys have been at the forefront of innovative developments in electromyography (EMG) with our patented parallel-bar sensors offering unmatched signal quality, consistency and reliability. The Delsys Trigno systems allow completely unrestricted subject motion while maintaining high fidelity signal quality and full-bandwidth sampling. Innovation is further demonstrated with the ground-breaking surface decomposition EMG system (dEMG) providing new parameters for studying and assessing motor control.
http://www.delsys.com

**DIERS International GmbH**
GERMANY
The objective of DIERS is to offer the market a comprehensive biomechanical product portfolio for holistic analysis of the human body. In the product development, value is placed on interdisciplinary utilization by various professional groups such as orthopaedists, orthodontists, sports medicine specialists etc. DIERS has meanwhile developed into a worldwide market leader in the field of optical 3D / 4D postural and motion analysis. Many years of experience in the field of biomechanics, cooperation with scientific institutes and physicians and utilization of their expert knowledge now make it possible to generate therapy recommendations based on measurement results. There are currently programs available which offer recommendations for exercise training therapy and therapeutic insoles immediately after the diagnostic processes.
http://www.diers.de

**ECSS Vienna 2016**
AUSTRIA
On behalf of the Centre for Sport Science and University Sports, University of Vienna it is my great pleasure to invite you to attend the 21st Annual Congress of the European College of Sport Science in Vienna. The congress will be held between 6th and 9th of July, 2016 at the Austria Center Vienna (ACV) which is located close to the City Center, the River and the United Nations Building.
http://www.ecss-congress.eu/2016/

**Gloria Sports Arena**
TURKEY
Gloria Sports Arena is a modern sports complex with Indoor, Outdoor, Aquatic sports facilities and a Sports Medicine & Athletic Performance Center where athletes ranging from elite to recreational levels have the opportunity to be examined and followed by professional sports scientists in the areas of exercise physiology, motion control, biomechanics and all kinds of sports performance analyses.
http://www.gloriasportsarena.com.tr

**h/p/cosmos sports & medical GmbH**
GERMANY
Through the long history of more than 25 years in producing running-machines, h/p/cosmos has become THE treadmill specialist for sports, true medical (MDD) and oversize treadmills. h/p/cosmos produces a range of running machine systems from robust, reliable and MDD-certified machines to oversize machines for wheelchair athletes, cyclists and skiers. There are over 100 different models which include unweighting systems, safety systems, software solutions and other patented support solutions.
http://www.h-p-cosmos.com

**Human Kinetics**
UNITED KINGDOM
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.
http://www.human kinetics.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 Amsterdam HUR Labs introduces the Megaplate - a large force platform for measuring jumps and balance. Please visit us at the exhibition for a demonstration.
http://www.hurlabs.com

**Kistler Instrumente AG**
SWITZERLAND
Kistler force plates were first introduced in 1969 and have consistently proved their worth as precise, reliable measuring instruments. The unique piezoelectric measuring system offers numerous advantages and makes Kistler force plates a cost effective investment for biomechanical laboratories. Longevity, high accuracy, linearity and sensitivity provide reliable and reproducible results.
http://www.kistler.com/biomechanics

**Lode B.V.**
THE NETHERLANDS
Lode is world renowned as manufacturer of high quality ergometers. The Lode brand stands for accuracy, durability and ergonomic design. The Lode product range varies from bicycle ergometers and treadmills to recumbent, arm and supine ergometers and ergometry software.
http://www.lode.nl

**MICROGATE SRL**
ITALY
Microgate’s technological research is applied in the field of training with one objective: to analyze and improve sports performances. Our Company provides innovative and well-known solutions e.g. OptoJump Next, Willy, consulting, and technical support to coaches and trainers with the aim of optimizing training activities and evaluating performances.
http://www.microgate.it

**Monark Exercise AB**
SWEDEN
The new generation of Monark bikes is developed with the cyclist in mind. With a perfect position, modern force and open source connectivity it offers models for any situation within Sports & Medical area.
http://www.monarkexercise.se

**MTF- Musculoskeletal Transplant Foundation**
USA
The Musculoskeletal Transplant Foundation (MTF), the United States’s largest tissue bank, provides safe, high quality allograft tissue for surgeons and their patients. MTF sport tissues are available for ligament reconstruction, cartilage repair, and meniscal transplantation. MTF maintains an exemplary safety record and has distributed over 6,000,000 grafts with zero dis-


**Novel GmbH**  
**GERMANY**  
Novel is the specialist in development of load distribution measurement systems. With more than 30 years of experience, our scientists and engineers set the benchmark for accuracy and reliability of load distribution measurement. Well-known major companies and prominent research institutions in medicine, sports, biomechanics and industry worldwide rely on novel’s technology.

http://www.novel.de

**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 017.

http://www.paltechnologies.com

**PhysioFlow / Manatec Biomedical**  
**FRANCE**  
PhysioFlow® is a unique range of noninvasive hemodynamic monitors that perform the most accurate and validated continuous measurements of cardiac output in the world, even at max exercise. Some of our systems are wireless and portable. The combination of advanced miniaturized hardware and software enables new applications in the lab and for the first time in the field, for trainers and exercise physiologists.

http://www.physioflow.com

**Polar Electro Sverige AB**  
**SWEDEN**  
Listening to your body is one thing, understanding what it is telling you is an altogether different story. Polar helps you get under the skin of your training. We put it down to a combination of expertise in sports, physiology and electronics, coupled with a deep understanding of customer needs. It’s no surprise then that we’ve been leading the way in technological innovations and heart rate monitors since 1977.

http://www.polar.com

**PowerBar Europe GmbH**  
**GERMANY**  
In 1986 PowerBar® developed the world’s first energy bar and ever since then they have provided endurance, fitness and team athletes with the best possible sports nutrition. PowerBar® products are based on the latest scientific knowledge and are developed together with leading sports nutrition scientists and professional athletes. For almost 30 years world-class athletes, teams and world events have put their trust in PowerBar® as their nutrition partner.

http://www.powerbar.com

**POWERbreathe International Ltd**  
**UNITED KINGDOM**  
Not only are POWERbreathe’s K-Series devices the Worlds 1st Intelligent Digital Breathing Trainers, but an independent International & Nation Clinical Medical Research study has endorsed these as “Gold Standard” devices. With the new K5 + K4 Breathe-Link s/w, the possibilities for research in Sports Science and improvement in Time Efficient High Performance Training Outcomes are increasingly being recognised. Also ask about PRAS, the NEW – Innovative + Affordable & Modular room based plus portable POWERbreathe Altitude Systems, including a bespoke design for h/p/cosmos: Saturn, Venus and other model treadmills.

http://www.powerbreathe.com

**prophysics SOL AB**  
**SWEDEN**  
prophysics SOL - Your supplier of high-end Motion Analysis equipment in the Nordic Area

http://www.prophysics-sol.se/

**Qualys AB**  
**SWEDEN**  
Qualys Optical Motion Capture System and software for 3D tracking of biomechanics. The system include the Oqus range of cameras is the latest platform for Qualys 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 GTM is a customizable infrastructure that lets you automate repetitive tasks in your workflow. Analyse a series of captures and create reports with the click of a button.

http://www.qualys.com

**RBM elektronik-automation GmbH**  
**GERMANY**  
The Cyclus2 is an innovative state-of-the-art cycling ergometer packed with electronic and IT solutions, comprising of standardized performance tests,okinetic mode, lateral oscillation, and training- and programming applications. Due to its versatility, functionality and user-friendliness it is used by sports scientists, high performance centres, coaches and top-class cyclists worldwide.

http://www.cyclus2.com

**Routledge Taylor & Francis Group**  
**UNITED KINGDOM**  
As a leading publisher in the field of Sports and Leisure, Routledge proudly offers a wealth of highly-cited journal content and primary research. Routledge journals dominate the Hospitality, Leisure, Sport and Tourism category of the Social Sciences Citation Index® as well as hosting a prestigious book publishing program. Discover more on Routledge Journals at http://explore.tandfonline.com/sport  
And Routledge books at http://www.routledge.com/sport

http://www.tandfonline.com/tejs

**Salimetrics Europe Ltd**  
**UNITED KINGDOM**  
Salimetrics is widely regarded as a global leader in salivary bioscience because in many instances they pioneered the saliva collection methods, science, and assay technology that support the field. Salimetrics are experts in the science of saliva, and their immunoassays are renowned for reliable results both in salivary research and diagnostics.

http://www.salimetrics.com

**Tekscan, Inc.**  
**USA**  
Tekscan manufactures a range of pressure assessment and clinical/research evaluation tools. Our unique systems use thin, flexible, high-resolution sensors to count balance errors experienced by a subject during the Balance Error Scoring System (BESS) test.

http://www.tekscan.com

**TMG-BMC d.o.o.**  
**SLOVENIA**  
TMG provides relevant information about muscle contractile properties in an objective, selective and non-invasive way. It gives insights into muscle composition, muscle functional characteristics, local muscle fatigue, atrophy, muscle inhibition, spasticity, tonus, and more. High repeatability enables long term monitoring of acute and chronic changes in muscle function.

http://www.tmgsi
Exhibitors profiles

**Universidad Católica San Antonio de Murcia (UCAM)**

**SPAIN**

UCAM is a private university founded in 1996 with a clear mission: to train students with knowledge and skills to serve the society, to contribute to the further expansion of human knowledge through research as an integral part of the development of man. The university of sports in Spain. More than 50 olympic players and 12 000 students at the campus.

http://www.ucam.edu/

**University of Malmö**

**SWEDEN**

University of Malmö, University of Lund, University of Copenhagen and City of Malmö

**Velamed GmbH**

**GERMANY**

Velamed GmbH was founded in 2005 as a medical distribution company in Cologne, Germany. As European distributor for biomechanical measuring systems the key company competence is to equip laboratories with biomechanical measurement solutions combined with qualified product and planning consultancy.

http://www.velamed.com

**zebris Medical GmbH**

**GERMANY**

zebris Medical GmbH is an innovative company that has been successful for many years in the development and production of 3-dimensional motion analysis and force measurement technologies for biomechanics.

http://www.zebris.de/
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.
### 20th Annual Congress of the European College of Sport Science - ECSS Malmö 2015 - Sweden, June 24-27

#### Wednesday 24th June 2015

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<tr>
<th>Time</th>
<th>High Live 1</th>
<th>Kuben</th>
<th>High Live 2</th>
<th>High Live 3</th>
<th>High Live 4</th>
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<tr>
<td>08:30</td>
<td>Opening of registration</td>
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<tr>
<td>10:00</td>
<td>Opening of the Exhibition</td>
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<td>10:00 - 11:00</td>
<td>Press Conference ([Live 1])</td>
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<td>09:00 - 13:00</td>
<td>Satellite symposia/Workshops</td>
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<tr>
<td>13:00 - 14:00</td>
<td>MO-PM01 TRAINING &amp; TESTING</td>
<td>OP-PM76 GSSI NUTRITION AWARD</td>
<td>OP-PM77 ASPETAR EXCELLENCE IN FOOTBALL AWARD</td>
<td>OP-BN13 COACHING TEAM SPORT I</td>
<td>MO-BN01 MOTOR LEARNING &amp; BIOMECHANICS</td>
<td>MO-PM03 MUSCLE, MOLECULAR BIOLOGY AND BIOCHEMISTRY</td>
<td>MO-SH01 SOCIAL SCIENCES AND HUMANITIES IN SPORT</td>
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<tr>
<td>14:00 - 15:00</td>
<td>MO-PM02 NUTRITION, TRAINING ADAPTATION AND PERFORMANCE</td>
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<td>MO-BN03 KINEMATICS</td>
<td>MO-PM05 OXYGEN TRANSPORT, VO2MAX AND ENERGY EXPENDITURE</td>
<td>MO-SH06 PHILOSOPHY &amp; ETHICS</td>
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<tr>
<td>15:00 - 16:30</td>
<td>IS-PM02 THE BENGT SALTIN TRIBUTE SYMPOSIUM</td>
<td>IS-PM10 THE ATHLETE'S BIOLOGICAL PASSPORT – WHAT'S THE STATUS? *</td>
<td>IS-PM06 SKELETAL MUSCLE ADAPTATIONS TO ENDURANCE TRAINING</td>
<td>IS-PM02 HEALTH, TRAINING &amp; PERFORMANCE</td>
<td>IS-BN04 QUALITY OF MOVEMENTS – MORE THAN MEETS THE EYE</td>
<td>IS-BN06 TENDON ADAPTATION</td>
<td>IS-SH01 FEPSAC SYMPOSIUM - THE DEVELOPMENT OF EXPERTISE</td>
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<tr>
<td>16.30 - 16.45</td>
<td>Coffee break</td>
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<tr>
<td>16.45 - 18.00</td>
<td>Plenary session 1: CHANCES AND CHALLENGES FOR PHYSICAL ACTIVITY AND LEARNING - SUSTAINABLE MOVEMENTS AND MOVEMENT CULTURES ([High Live 1])</td>
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<td>18.00 - 18.30</td>
<td>Award ceremony Aspetar &amp; GSSI ([High Live 1])</td>
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<td>18.30 - 19.30</td>
<td>Opening ceremony (Concert hall)</td>
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<tr>
<td>19.30 - 20.30</td>
<td>Opening reception (Exhibition area)</td>
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<th>Live 10</th>
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<tr>
<td></td>
<td><strong>MO-SH04</strong> PSYCHOLOGY I</td>
<td><strong>MO-PM07</strong> ADAPTED PHYSICAL ACTIVITY: CHALLENGES</td>
<td><strong>MO-BN04</strong> MIXED</td>
<td><strong>MO-PM06</strong> ADAPTED PHYSICAL ACTIVITY: SPORT &amp; DISABILITY</td>
<td><strong>MO-PM11</strong> HEALTH &amp; FITNESS: AGE</td>
<td><strong>MO-BN06</strong> COACHING: MIXED SESSION</td>
<td><strong>MO-SH02</strong> PHYSICAL EDUCATION AND PEDAGOGICS I</td>
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<tr>
<td>13:00 - 14:00</td>
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<td></td>
<td><strong>IS-SH02</strong> ANIMALS, SPORT AND HEALTH - A SUSTAINABLE RELATIONSHIP?</td>
<td><strong>OP-PM05</strong> MUSCLE METABOLISM &amp; NITRATE INGESTION</td>
<td><strong>OP-BN01</strong> NEUROMUSCULAR CONTROL</td>
<td><strong>OP-PM36</strong> SPORTS MEDICINE &amp; TECHNOLOGY</td>
<td><strong>OP-PM35</strong> SPORT TECHNOLOGY MIXED SESSION</td>
<td><strong>OP-SH05</strong> PSYCHOLOGY (PHYSICAL EXERCISE, FOOTBALL PERFORMANCE)</td>
<td><strong>OP-SH01</strong> SPORTS PEDAGOGY AND HISTORY</td>
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<td>14:00 - 15:00</td>
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<td></td>
<td><strong>MO-SH05</strong> PSYCHOLOGY II</td>
<td><strong>MO-PM08</strong> ADAPTED PHYSICAL ACTIVITY: DISABILITIES</td>
<td><strong>MO-BN05</strong> MOTOR LEARNING</td>
<td><strong>MO-PM10</strong> ADAPTED PHYSICAL ACTIVITY: NUTRITION</td>
<td><strong>MO-PM12</strong> HEALTH &amp; FITNESS: AGEING, GENDER, STRENGTH</td>
<td><strong>MO-BN07</strong> COGNITIVE IMPAIRMENTS AND FATIGUE DURING EXERCISE</td>
<td><strong>MO-SH03</strong> PHYSICAL EDUCATION AND PEDAGOGICS II</td>
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<tr>
<td>15:00 - 16:30</td>
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**Wednesday 24th June 2015**
## Thursday 25th June 2015

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<th>Time</th>
<th>High Live 1</th>
<th>Kuben</th>
<th>High Live 2</th>
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<th>Live 1</th>
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<tr>
<td>08:30 - 10:00</td>
<td><strong>OP-PM63</strong> NUTRITION: FAT, GLUCOSE AND METABOLISM</td>
<td><strong>OP-PM06</strong> TRAINING INDUCED ADAPTATION</td>
<td><strong>OP-PM01</strong> SPORTS MEDICINE</td>
<td><strong>OP-PM03</strong> EXCERCISE METABOLISM, MITOCHONDRIAL FUNCTION</td>
<td><strong>OP-PM61</strong> HEALTH &amp; FITNESS: AGE III</td>
<td><strong>OP-BN14</strong> COACHING: TEAM SPORT II</td>
<td><strong>OP-SH02</strong> SPORT PSYCHOLOGY AND MOTOR/COGNITIVE FUNCTION</td>
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<tr>
<td>10:00 - 10:20</td>
<td>Coffee break</td>
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<td>10:20 - 11:50</td>
<td><strong>IS-PM12</strong> THE IMPACT OF PHYSICAL ACTIVITY ON CARDIOVASCULAR...*</td>
<td><strong>IS-PM01</strong> SPORTS NUTRITION EXCHANGE SPONSORED BY GSOI</td>
<td><strong>OP-PM07</strong> CARBOHYDRATE AND PERFORMANCE</td>
<td><strong>OP-PM04</strong> ADAPTATION AND MOVEMENT ANALYSIS</td>
<td><strong>IS-BN10</strong> LATERALITY IN LOCOMOTION AND SPORT SPONSORED BY ADIDAS</td>
<td><strong>IS-BN09</strong> RATE OF FORCE DEVELOPMENT: NEW IDEAS ON MEASUREMENT...</td>
<td><strong>IS-SH06</strong> SPORT AND PHYSICAL ACTIVITY IN LATER LIFE</td>
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<tr>
<td>11:50 - 12:00</td>
<td>Break</td>
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<tr>
<td>12:00 - 13:15</td>
<td><strong>Plenary session 2: FROM THE CRADLE TO THE GRAVE - SPORT AND PHYSICAL ACTIVITY FOR A SUSTAINABLE BODY</strong> (High Live 1)</td>
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<td>13:15 - 14:00</td>
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<td>14:00 - 15:00</td>
<td><strong>MO-PM13</strong> HEALTH &amp; FITNESS LIFESTYLE</td>
<td><strong>MO-PM15</strong> HEALTH &amp; FITNESS: MIXED SESSION</td>
<td><strong>MO-PM17</strong> PHYSIOLOGY: ENDURANCE</td>
<td><strong>MO-PM19</strong> PHYSIOLOGY: THERMOREGULATION, FATIGUE</td>
<td><strong>MO-PM21</strong> PHYSIOLOGY: ENERGY METABOLISM</td>
<td><strong>MO-PM23</strong> PHYSIOLOGY: MIXED SESSION</td>
<td><strong>MO-SH12</strong> SOCIAL SCIENCE AND SPORT</td>
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<tr>
<td>15:00 - 16:00</td>
<td><strong>MO-PM14</strong> HEALTH &amp; FITNESS: CHILDREN, TEAM SPORTS</td>
<td><strong>MO-PM16</strong> PHYSIOLOGY: STRENGTH</td>
<td><strong>MO-PM18</strong> PHYSIOLOGY: MIXED SESSION I</td>
<td><strong>MO-PM20</strong> PHYSIOLOGY: MUSCLE DAMAGE, HYPOXIA</td>
<td><strong>MO-PM22</strong> PHYSIOLOGY: CARDIOVASCULAR PHYSIOLOGY</td>
<td><strong>MO-PM24</strong> PHYSIOLOGY: MIXED SESSION</td>
<td><strong>MO-SH13</strong> SOCIOLOGY/SPORT MANAGEMENT II</td>
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<tr>
<td>16:20 - 17:50</td>
<td><strong>IS-PM09</strong> PERFORMANCE AND TRAINING OF THE TOP-ATHLETE *</td>
<td><strong>IS-PM13</strong> SKELETAL MUSCLE-LIPOTOXICITY, SHOULD WE BE INTERESTED?</td>
<td><strong>OP-BN16</strong> COACHING: MIXED SESSION II</td>
<td><strong>OP-PM13</strong> PHYSIOLOGY: ENDURANCE</td>
<td><strong>IS-BN05</strong> PERFORMING WHEN GETTING OLDER</td>
<td><strong>IS-BN07</strong> INTEGRATIVE APPROACH: SPONSORED BY THE PHYSIOLOGICAL SOCIETY</td>
<td><strong>IS-SH10</strong> URBAN SPORT LANDSCAPES</td>
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<tr>
<td>17:50 - 18:00</td>
<td>Break</td>
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<td>18:00 - 19:30</td>
<td><strong>OP-PM44</strong> NUTRITION: AMINO ACIDS AND PROTEINS</td>
<td><strong>OP-PM30</strong> SPORTS MEDICINE &amp; ORTHOPAEDICS: PHYSIOTHERAPY</td>
<td><strong>OP-PM10</strong> PHYSIOLOGY: AGE II</td>
<td><strong>OP-PM14</strong> PHYSIOLOGY: INTERVAL TRAINING</td>
<td><strong>OP-PM68</strong> ADAPTED PHYSICAL ACTIVITY: PHYSICAL DISABILITIES</td>
<td><strong>OP-PM56</strong> HEALTH &amp; FITNESS: ENDURANCE</td>
<td><strong>OP-SH03</strong> SOCIOLOGY/SPORT MANAGEMENT</td>
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### Thursday 25th June 2015

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<tr>
<th>Time</th>
<th>Live 3</th>
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<tr>
<td>08:30 - 10:00</td>
<td>OP-SH03 SPORT MANAGEMENT (SUSTAINABILITY AND SPORT EVENTS)</td>
<td>OP-PW19 PHYSIOLOGY: FATIGUE, MUSCLE DAMAGE &amp; REPAIR</td>
<td>POLAR SYMPOSIUM ON HEART RATE VARIABILITY SPONSORED WORKSHOP</td>
<td>OP-PM11 THERMOREGULATION I</td>
<td>OP-PW26 PHYSIOLOGY: BRAIN</td>
<td>OP-BN12 MUSCOLODISEKAL &amp; FATIGUE</td>
<td>OP-SH04 PHYSICAL EDUCATION &amp; PEDAGOGICS (CHILDREN IN SPORT)</td>
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<tr>
<td>14:00 - 15:00</td>
<td>MO-SH07 SPORT MANAGEMENT</td>
<td>MO-PW25 REHABILITATION AND PHYSIOTHERAPY</td>
<td>MO-PW27 SPORTS MEDICINE AND ORTHOPEDICS</td>
<td>MO-PW45 REAL LIFE THREATS TO SPORT PERFORMANCE</td>
<td>MO-PW31 MOLECULAR BIOLOGY AND BIOCHEMISTRY</td>
<td>MO-PW33 NEUROMUSCULAR PHYSIOLOGY: FATIGUE</td>
<td>MO-SH10 SPORTS STATISTICS &amp; ANALYSIS I</td>
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<tr>
<td>15:00 - 16:00</td>
<td>MO-SH08 SOCIOLOGY:SPORT MANAGEMENT I</td>
<td>MO-PW26 REHABILITATION AND PHYSIOTHERAPY: ORTHOPEDICS</td>
<td>MO-PW28 SPORTS MEDICINE AND ORTHOPEDICS: MIXED SESSION I</td>
<td>MO-PW32 SPORT TECHNOLOGY</td>
<td>MO-PW34 NEUROMUSCULAR PHYSIOLOGY: COORDINATION</td>
<td>MO-SH11 SPORTS STATISTICS &amp; ANALYSIS II</td>
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## 20th Annual Congress of the European College of Sport Science - ECSS Malmö 2015 - Sweden, June 24-27

### Friday 26th June 2015

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<thead>
<tr>
<th>Time</th>
<th>High Live 1</th>
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<tr>
<td>08:30 - 10:00</td>
<td>OP-PM65 NUTRITION: HYDRATION</td>
<td>OP-PW31 SPORTS MEDICINE &amp; ORTHOPEDICS PHYSIOTHERAPY II</td>
<td>OP-PM57 TRAINING AND TESTING: TEAMSPORT II</td>
<td>OP-PM59 ADAPTED PHYSICAL ACTIVITY: MENTAL DISABILITIES</td>
<td>OP-PM74 MOLECULAR BIOLOGY AND BIOCHEMISTRY: FATIGUE</td>
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<td>10:00 - 10:20</td>
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<td>10:20 - 11:50</td>
<td>IS-PM11 ECSS - ACSM EXCHANGE SYMPOSIUM</td>
<td>IS-PM04 EFFECTS OF EXERCISE ON BRAIN FUNCTION</td>
<td>IS-PM03 FEMALE SEX HORMONES AND SKELETAL MUSCLE</td>
<td>IS-PM16 PHYSIOLOGY: FATIGUE</td>
<td>IS-BN02 SPORT EXPERTISE: PUTTING BRAIN, BODY</td>
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<td>IS-BN03 THE WORKPLACE AS ARENA FOR HEALTH ENHANCING</td>
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<td>11:50 - 12:00</td>
<td>Break</td>
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<td>IS-SH04 RELATIVE AGE EFFECTS IN YOUTH SPORT INSIGHTS FROM</td>
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<td>12:00 - 13:15</td>
<td>Plenary session 3: EXERCISE, ENERGY INTAKE, BRAIN HEALTH AND WELL BEING (High Live 1)</td>
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<td>13:15 - 14:00</td>
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<td>14:00 - 15:00</td>
<td>Visit the exhibition</td>
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<tr>
<td>15:00 - 16:00</td>
<td>MO-PM37 TRAINING AND TESTING: FATIGUE AND NEUROMUSCULAR</td>
<td>MO-PM35 TRAINING AND TESTING: STRENGTH</td>
<td>MO-PM38 TRAINING AND TESTING: TEAMSPORT I</td>
<td>MO-PM39 TRAINING AND TESTING: ENDURANCE</td>
<td>MO-PM40 TRAINING AND TESTING: ENDURANCE &amp; CLINICAL</td>
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<td>16:00 - 16:20</td>
<td>Coffee break</td>
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<td>16:20 - 17:50</td>
<td>IS-PM08 TEAM SPORT &amp; HEALTH *</td>
<td>OP-PM17 PHYSIOLOGY: CARDIOVASCULAR II</td>
<td>IS-PM16 JSPSM-RISK FACTORS AND BIOMARKERS OF REDUCED</td>
<td>OP-PM43 TRAINING &amp; TESTING: TEAMSPORT I</td>
<td>OP-PM59 HEALTH &amp; FITNESS: AGE I</td>
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<td>IS-PM17 CSSS-ECSS EXCHANGE SYMPOSIUM: PHYSICAL ACTIVITY</td>
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<td>17:50 - 18:00</td>
<td>Break</td>
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<td>IS-SH03 INTERNET OF SPORTS: AUGMENTING SPORTS TECHNOLOGY</td>
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<tr>
<td>18:00 - 19:30</td>
<td>OP-PM66 NUTRITION: CLINICAL</td>
<td>OP-PM18 PHYSIOLOGY: CARDIOVASCULAR II &amp; ESSA-ECSS EXCHANGE</td>
<td>OP-PM28 SPORTS MEDICINE &amp; ORTHOPEDICS ORTHOPEDICS II</td>
<td>OP-PM44 TRAINING &amp; TESTING: TEAMSPORT II</td>
<td>OP-PM60 HEALTH &amp; FITNESS: AGE II</td>
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<td>OP-PM57 HEALTH &amp; FITNESS: CHILDREN I</td>
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<td>OP-SH08 PSYCHOLOGY: CHALLENGES WITHIN SPORT PSYCHOLOGY II</td>
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* CLINICAL TRACK
## Friday 26th June 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Area</th>
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<th>Title</th>
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<tr>
<td>08:30 - 10:00</td>
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<td>Live 3</td>
<td>OP-SH14 SOCIOL.: SP. MEDIA</td>
<td>Elite Sport SPECIAL INTEREST GROUP</td>
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<td>Live 4</td>
<td>OP-PM37 TRAINING &amp; TESTING: ENDURANCE I</td>
<td>Environmental Physiology SPECIAL INTEREST GROUP</td>
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<td>Live 5</td>
<td>OP-BN05 KINEMATICS</td>
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<td>10:20 - 11:50</td>
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<td>Live 6</td>
<td>Elite Sport SPECIAL INTEREST GROUP</td>
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<td>Live 7</td>
<td>Environmental Physiology SPECIAL INTEREST GROUP</td>
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<td>Live 8</td>
<td>OP-BN08 BALANCE &amp; STABILITY, COORDINATION</td>
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<td>Live 10</td>
<td>OP-SH17 PHYSICAL EDUCATION &amp; PEDAGOGICS II</td>
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<td>15:00 - 16:00</td>
<td></td>
<td>MO-SH09</td>
<td>SPORTS LAB.: THE POLITICS OF PRECARITY</td>
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<td>MO-PM43</td>
<td>TRAINING &amp; TESTING: ENDURANCE II</td>
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<td>MO-PM70</td>
<td>MOLECULAR BIOLOGY &amp; BIOCHEMISTRY: EPGENETICS</td>
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<td>MO-PM42</td>
<td>TRAINING &amp; TESTING: STRENGTH III</td>
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<td>MO-PW23</td>
<td>PHYSIOLOGY: ENERGY METABOLISM</td>
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<td>MO-BN10</td>
<td>MOTOR LEARNING, COORDINATION</td>
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<td>MO-SH18</td>
<td>SPORT PARTICIPATION, DEVELOPMENT &amp; EXERCISE</td>
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<td>16:20 - 17:50</td>
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<td>MO-SH11</td>
<td>SPORT FOR DEVELOPMENT &amp; PEACE: CRITICAL PERSPECTIVES</td>
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<td>OP-PM39</td>
<td>TRAINING &amp; TESTING: ENDURANCE II</td>
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<td>OP-PM71</td>
<td>MOLECULAR BIOLOGY &amp; BIOCHEMISTRY: METABOLISM</td>
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<td>OP-PM33</td>
<td>SPORTS MEDICINE &amp; ORTHOPEDICS: INJURY PREVENTION I</td>
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<td>OP-PM48</td>
<td>TRAINING &amp; TESTING: AGILITY</td>
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<td>OP-SH07</td>
<td>PSYCHOLOGY (MENTAL HEALTH AND STRESS)</td>
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<td>OP-SH19</td>
<td>PHILOSOPHY &amp; ETHICS I</td>
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<td>18:00 - 19:30</td>
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<td>OP-SH21</td>
<td>SOCIOL.</td>
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<td>OP-PW62</td>
<td>HEALTH &amp; FITNESS: MIXED</td>
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<td>OP-PM72</td>
<td>MOLECULAR BIOLOGY &amp; BIOCHEMISTRY: EXPRESSION</td>
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<td>OP-BN06</td>
<td>MUSCLE FUNCTION</td>
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<td>OP-SH20</td>
<td>PHILOSOPHY &amp; ETHICS II</td>
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### Saturday 27th June 2015

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<th>Time</th>
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<td>08:30 - 10:00</td>
<td>OP-PM32 SPORTS MEDICINE &amp; ORTHOPEDICS PHYSIOTHERAPY III</td>
<td>OP-PM29 SPORTS MEDICINE &amp; ORTHOPEDICS EXERCISE THERAPY, EPIDEMIOLOGY</td>
<td>OP-PM45 TRAINING &amp; TESTING TEAMSPORT III</td>
<td>OP-PM58 HEALTH &amp; FITNESS CHILDREN II</td>
<td>OP-SH11 SPORTS STATISTICS &amp; ANALYSIS</td>
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<td>10:20 - 11:50</td>
<td>IS-PM05 ROLE OF GLYCOCEN IN SKELETAL MUSCLE REGULATION</td>
<td>IS-PM14 EFFECT OF SCHOOL BASED PHYSICAL ACTIVITY INTERVENTIONS</td>
<td>IS-PM07 LIFELONG ENDURANCE TRAINING IN HONOUR OF BENGT SALTIN *</td>
<td>IS-PM15 RECENT DEVELOPMENTS SPONSORED BY ASPETAR</td>
<td>IS-BN08 MENTAL AND COGNITIVE TRAINING</td>
<td>IS-BN01 DIGITAL SUPPORT SYSTEMS IN RECREATIONAL AND ELITE SPORTS</td>
<td>IS-SH07 LARS MAGNUS ENGSTROM MEMORIAL SESSION</td>
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<td>11:50 - 12:00</td>
<td>Break</td>
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<tr>
<td>12:00 - 13:15</td>
<td>Plenary session 4: INACTIVITY AND THE AGEING POPULATION (High Live 1)</td>
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<td>13:15 - 14:00</td>
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<td>14:00 - 15:00</td>
<td>Young Investigators Award - Presentations (High Live 1)</td>
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<td>15:15 - 15:45</td>
<td>Presidential Lecture (High Live 1)</td>
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<td>15:45 - 16:00</td>
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<td>16:00 - 16:30</td>
<td>Young Investigators Award - Award Ceremony (High Live 1)</td>
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<td>16:30 - 17:30</td>
<td>Closing ceremony (High Live 1)</td>
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<tr>
<td>19:30 - 03:00</td>
<td>ECSS Congress Party (Märiska Paviljongen - Folkets Park)</td>
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<tbody>
<tr>
<td>08:30 - 10:00</td>
<td><strong>OP-SH09</strong>&lt;br&gt;Psychology (Challenges within Sport Psychology II)</td>
<td><strong>OP-PM46</strong>&lt;br&gt;Training &amp; Testing: Fatigue I</td>
<td><strong>OP-PM73</strong>&lt;br&gt;Molecular Biology and Biochemistry: Age</td>
<td><strong>OP-PM52</strong>&lt;br&gt;Health &amp; Fitness: Lifestyle I</td>
<td><strong>OP-PM55</strong>&lt;br&gt;Physiology: Mixed Session</td>
<td><strong>OP-BN07</strong>&lt;br&gt;Gender II</td>
<td><strong>OP-SH24</strong>&lt;br&gt;Sociology (Sport and Gender)</td>
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<td>10:20 - 11:50</td>
<td><strong>OP-SH10</strong>&lt;br&gt;Psychology (Training and Exercise)</td>
<td><strong>OP-PM47</strong>&lt;br&gt;Training &amp; Testing: Fatigue II</td>
<td><strong>OP-PM75</strong>&lt;br&gt;Molecular Biology and Biochemistry</td>
<td><strong>OP-PM55</strong>&lt;br&gt;Health &amp; Fitness: Lifestyle II</td>
<td><strong>OP-PM55</strong>&lt;br&gt;Health &amp; Fitness: Obesity</td>
<td><strong>OP-BN09</strong>&lt;br&gt;Biomechanics: Mixed Session</td>
<td><strong>OP-SH25</strong>&lt;br&gt;Sociology (Sport and Gender)</td>
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## Parallel programme

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<th>Sponsored Workshops</th>
<th>Awards</th>
<th>Special Interest Groups (SIG)</th>
<th>ECSS General Assembly</th>
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<td>Wednesday, 24th June 2015 09:00 – 12:30 Lecture room: Live 4</td>
<td>Wednesday, 24th June 2015 08:30 – 10:30 Lecture room: Live 2</td>
<td>Wednesday, 24th June 2015 08:30 – 10:00 Lecture room: Live 5</td>
<td>Wednesday, 24th June 2015 11:00 – 12:00 Lecture room: Live 3</td>
<td>Thursday, 25th June 2015 18:00 – 19:30 Lecture room: Live 5</td>
<td>Wednesday, 24th June 2015 11:00 – 12:00 Lecture room: Live 3</td>
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<tr>
<td>Sustainable Physical Education for a Sustainable Society</td>
<td>EWSS – Spreadsheets for Research Design and Analysis</td>
<td>Polar symposium on heart rate variability – hosted by Polar</td>
<td>GSSI Nutrition Award</td>
<td>Sports Nutrition</td>
<td>ECSS General Assembly</td>
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<td>Wednesday, 24th June 2015 10:00 – 12:00 Lecture room: Live 5</td>
<td>Wednesday, 24th June 2015 08:30 – 10:30 Lecture room: Live 2</td>
<td>Wednesday, 24th June 2015 08:30 – 10:00 Lecture room: Live 5</td>
<td>Wednesday, 24th June 2015 11:00 – 12:00 Lecture room: Live 3</td>
<td>Thursday, 25th June 2015 18:00 – 19:30 Lecture room: Live 5</td>
<td>Wednesday, 24th June 2015 11:00 – 12:00 Lecture room: Live 3</td>
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<td>Internet of Sports – on the definition of an international research agenda</td>
<td>EWSS – Spreadsheets for Research Design and Analysis</td>
<td>Polar symposium on heart rate variability – hosted by Polar</td>
<td>GSSI Nutrition Award</td>
<td>Sports Nutrition</td>
<td>ECSS General Assembly</td>
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<tr>
<td>Wednesday, 24th June 2015 10:00 – 12:00 Lecture room: Live 5</td>
<td>Wednesday, 24th June 2015 08:30 – 10:30 Lecture room: Live 2</td>
<td>Wednesday, 24th June 2015 08:30 – 10:00 Lecture room: Live 5</td>
<td>Wednesday, 24th June 2015 11:00 – 12:00 Lecture room: Live 3</td>
<td>Thursday, 25th June 2015 18:00 – 19:30 Lecture room: Live 5</td>
<td>Wednesday, 24th June 2015 11:00 – 12:00 Lecture room: Live 3</td>
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<tr>
<td>VO2max, the gold standard for health performance assessment in both laboratory-based and field-based testing – hosted by COSMED</td>
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<td>Wednesday, 24th June 2015 09:00 – 12:00 Lecture room: High Live 3</td>
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