Final Programme

Sport Science in a Metropolitan Area

22nd Annual Congress of the European College of Sport Science
ECSS MetropolisRuhr 2017

Hosted by
Ruhr-University Bochum
TU Dortmund University
University of Duisburg-Essen
## Sport Science in a Metropolitan Area

**22nd annual ECSS Congress**  
5 - 8 July 2017, Essen-Germany

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Sport Science in a Metropolitan Area

22nd Annual Congress of the European College of Sport Science
ECSS MetropolisRuhr 2017 – Germany, 5 – 8 July

Final Programme

Hosted by
Ruhr-University Bochum, TU Dortmund University, University of Duisburg-Essen
Welcome to MetropolisRuhr

Welcome to the 22nd Annual Congress of the European College of Sport Science

On behalf of the European College of Sport Science and the University Alliance Ruhr (consisting of the three institutions: Ruhr-University Bochum, TU Dortmund University, University of Duisburg-Essen), we welcome you to Essen for the 22nd Annual Congress of the ECSS – ECSS MetropolisRuhr 2017.

Our conference topic “Sport Science in a Metropolitan Area” reflects the role of sport and physical activity in the Ruhr area, which is one of the largest multicultural urban agglomerations in the world and is heavily coined by industry. This environment results in tremendous sport scientific challenges, including the broad range from inactivity to intense physical stress, the trend of increased individuality in lifestyle and physical activity, as well as the inclusion of minorities. Historically, some high-performance sports, such as football, have been an important factor to strengthen the people’s identification with our region. These topics will run as a red thread through the congress and will be taken up by the four plenary sessions.

ECSS MetropolisRuhr 2017 brings people together from all around the world and provides a platform for the exchange of views and new research ideas. As young investigators are the future key-players in sport science research, ECSS MetropolisRuhr 2017 will specifically attract and very warmly welcome highly motivated early stage researchers. We therefore provide instructional workshops and satellites in addition to several young investigator awards, and we are offering new attractive presentation formats like the ECSS Sport Science Slam, which takes place on Thursday, July 4, at Ruhr University Bochum, in Bochum.

Due to excellent submissions, we were able to build an outstanding scientific programme consisting of four plenary sessions and 37 invited and exchange symposia on current topical issues in the field of sport-scientific research. 1,750 abstracts have been submitted from 60 countries. 1,600 abstracts were selected for the final programme and were allocated to 112 oral, 41 mini-oral and 30 conventional poster sessions, or assigned to e-poster presentations. Out of these contributions, 61 oral and 25 mini-oral presentations were selected for the finals of the ECSS Young Investigators Award (YIA).

A congress is not only an opportunity for transfer of knowledge, but also a chance to grab the spirit of the hosting country and its people. In the area of MetropolisRuhr, there has been a huge transformation from an area of coal mining and steel production to a modern metropolis of the 21st century. Come and visit the famous “Grugapark” near to the Congress Center Essen (CCE) which is free of charge for congress participants. In this place, one can find a botanical garden with rare and beautiful plants, restaurants, bars, as well as a health facility and spa. It only takes you a mere five-minute-walk from the CCE and you are in the middle of the popular dining and nightlife area “Rüttenscheider Straße”, where local pubs invite you to linger after a long and busy congress day. If you like to learn more about Germany, we will recommend you to visit the city of Cologne and other spots in the region of North-Rhine Westphalia. Just ask our volunteers who are pleased to assist you.

Enjoy the Congress, enjoy MetropolisRuhr!

Petra Platen, Alexander Ferrauti, Elke Grimminger-Seidensticker & Thomas Jaitner
Congress Presidents and Chairs of the local scientific committee
The University Alliance Ruhr is an alliance between Ruhr University Bochum, TU Dortmund University, and the University of Duisburg-Essen, the three strongest universities in Germany's thriving Ruhr Area. The Ruhr Area is not only Germany’s largest academic hub, but also an epicentre of innovation that fosters close interaction between academia and the private sector.

The Faculty of Sport Science at the Ruhr University Bochum is one of the largest university sport science institutions in Germany. Approximately 1,200 sport students study different Bachelor or Master programs. All major humanities, social and natural sport science disciplines are presented by professors. Research includes topics like neuromuscular control, training, testing and recovery management, exercise and altitude, sports nutrition, injury prevention and low back pain. The social sciences and humanities focus on different aspects of sports history, physical and cultural education, with many of these issues being covered by an interdisciplinary approach.

www.sportwissenschaft.rub.de

The Department of Sport and Sport Science at the TU Dortmund University is located at the eastern edge of the Metropolis Ruhr area. The members of the Department are engaged in research ranging from social sciences to natural sciences and technologies as well as in teaching physical education students at undergraduate and graduate level. Common transdisciplinary research activities are concentrated in the Dortmund Centre of Physical Education and School Sport Research and aim at the establishment and the systematic development of research in physical education as a multidisciplinary designed and independent area of the science of sports.

www.sport.tu-dortmund.de

The Institute of Sport and Movement Sciences of the University of Duisburg-Essen combines expertise in the three areas: social sciences, sports pedagogy & didactics and biomechanics & movement science. The institute offers Bachelor and Master study programs on physical education in school. In research, one specific interest is on physical, social, and ethical competences of children and adolescents in their different social, educational and sportive environments, which are investigated by empirically based holistic approaches. Further research focuses on injury prevention, innovative concepts for sports equipment and shoes as well as on postural control.

www.uni-due.de/sport-und-bewegungswissenschaften
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General Information

VENUE
The Congress Center Essen (CCE) is just a five minute tram ride away from Essen city centre and just 20 minutes by car to Dusseldorf International Airport. There are 11 conference rooms and direct access to the Grugapark with free entrance. The venue buildings used for the ECSS congress are CCE South and CCE West which are easily connected through an outdoor pathway. The closest tram station is Messe West-Süd/Gruga.

Messe Essen, Germany
Norbertstr. 2
45131 Essen
Germany
www.messe-essen.de

CONGRESS OFFICE AND REGISTRATION
The congress registration desks and information desks are located in the foyer of CCE South.

OPENING HOURS
- Wednesday, July 5, 08:00 – 18:00
- Thursday, July 6, 08:00 – 18:00
- Friday, July 7, 08:00 – 18:00
- Saturday, July 8, 08:00 – 16:00

REGISTRATION FEES
The registration fee for participants includes:
- Admission to all scientific sessions
- Admission to exhibition
- Admission to the Opening Ceremony
- Admission to the Opening Reception*
- 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 do not have admission to scientific sessions.

THE REGISTRATION FEE FOR ACCOMPANYING PERSONS INCLUDES:
- Admission to exhibition
- Admission to the Opening Ceremony
- Admission to the Opening Reception*
- 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

THE REGISTRATION FEE FOR ADDITIONAL EXHIBITORS (MINIMUM OF TWO FREE DELEGATES PER COMPANY) INCLUDES:
- Admission to all scientific sessions
- Admission to exhibition
- Admission to the Opening Ceremony
- Admission to the Opening Reception*
- 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

The congress staff will be available to answer any questions about the congress programme, the location of the lecture halls, rooms, and meals etc. Staff members can be identified by light green shirts with the ECSS and congress logos.

SUSTAINABILITY AT THE CONGRESS
Please follow the sustainable guidelines and help us to support the environment. Please read more on the congress website.

The scientific programme
Researchers and scholars from all over the world contribute to the scientific programme and address the congress topic “Sport Science in a Metropolitan Area” from different angles. Physical activity, exercise, and sport is examined from theoretical, empirical and applied-scientific viewpoints, and from molecular to societal contents. The content ranges from inactive to high intensive physical stress, the distinct trend of achieving more individuality in lifestyle and physical activity, as well as the inclusion of minorities. As it is unique for the identification of the region, there will also be an emphasis on professional football. These specific challenges will run as a red thread through the congress and the 1,750 contributions which are presented as:
- 4 plenary sessions
- 37 invited sessions
- 112 oral sessions
- 41 mini-oral sessions
- 30 conventional print poster sessions
- 203 e-posters (not debated)

YOUNG INVESTIGATORS AWARD (YIA), SPONSORED BY EUROPEAN JOURNAL OF SPORT SCIENCE (EJSS)
ECSS has received 244 applications for this year’s YIA. Out of those, 86 have met the administrative requirements for the YIA, and after a thorough review, have entered the final stage of the competition. All YIA candidates will present their papers in front of the judging committee in Essen.

The applicants are competing for 20 prizes (10 oral and 10 mini-oral). The Scientific Board and the Scientific 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 on Saturday afternoon, July 8. Following a final evaluation by the ECSS Scientific Board and Committee, all winners will be announced and they receive their prizes at the YIA ceremony.

- The top 10 candidates of each category (oral/mini-oral) will be announced on Friday afternoon, July 7, 2017, at the ECSS congress booth next to the registration desks.
- The 20 winners will be invited to join the YIA Cocktail event taking place on the evening of Friday, July 7, 2017, at the Red Dot Design Museum.
- In order to receive their certificate and prize money, all prize winners are asked to be personally present at the YIA ceremony, taking place on Saturday, July 8, 2017, at 17:30.
- Prize winners who do not attend and accept their prize within the
General Information

PRIZE MONEY
Generous cash prizes for YIA finalists are provided by European Journal of Sport Science (EJSS).

ORAL PRESENTATIONS
- 1st – EUR 4,000
- 2nd – EUR 3,000
- 3rd – EUR 2,000
- 4th – EUR 1,000
- Equal 5th – EUR 500

MINI-ORAL PRESENTATIONS
- 1st – EUR 3,000
- 2nd – EUR 2,000
- 3rd – EUR 1,000
- 4th – EUR 500
- Equal 5th – EUR 300

GSSI NUTRITION AWARD
Abstracts submitted in the area of nutrition, in oral or mini-oral presentation formats, can opt in to apply for the GSSI Nutrition Award during the abstract submission process. A reviewing panel has selected the top five candidates of all submissions to present their work in front of the jury during two specific oral tennis sessions on Thursday, July 6, 2017, at 08:00 and at 09:45 (Hall New York/West). The winners will be awarded at the DTB Award Ceremony on Thursday, July 6, 2017, at 12:45 (Hall New York/West).

PRIZE MONEY
- 1st – EUR 3,000
- 2nd – EUR 1,500
- 3rd – EUR 500

ASPETAR EXCELLENCE IN FOOTBALL RESEARCH AWARD
Abstracts submitted in the area of football (soccer), in oral or mini-oral presentation formats, can opt in to apply for the Excellence in Football Research Award sponsored by Aspetar during the abstract submission process. A reviewing panel has selected the top five candidates of all submissions to present their work in front of the panel on Wednesday, July 5, 2017. The winners will be awarded at the GSSI and Aspetar Award Ceremony (Wednesday, July 5, 2017, 18:30, Hall Europa).

PRIZE MONEY
- 1st – EUR 2,500
- 2nd and 3rd – EUR 500

GERMAN TENNIS FEDERATION AWARD
Abstracts submitted in the area of tennis, in oral presentation format can opt in to apply for this award, sponsored by the German Tennis Federation (Deutscher Tennis Bund, DTB) during the abstract submission process. A jury has selected the top twelve candidates of all submissions to present their work in front of the jury during two specific oral tennis sessions on Thursday, July 6, 2017, at 08:00 and at 09:45 (Hall New York/West). The winners will be awarded at the DTB Award Ceremony on Thursday, July 6, 2017, at 12:45 (Hall New York/West).

PRIZE MONEY
- EUR 2,000 (a split is possible for two winners)

PRESENTATION REGULATIONS AND SPEAKERS READY ROOM

ORAL SESSIONS
BEFORE
The Speakers Ready Room is located in CCE West, on the ground floor across from the escalators. Please locate your lecture hall well in advance of your session and familiarise yourself with the setup. The format for invited oral presentations is PowerPoint 16:9. All PowerPoint presentations must be pre-uploaded 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 private laptops cannot be used.

All presenters must be available at the respective lecture hall 15 minutes before the session starts. Please introduce yourself to the session Chairman. There will be one or two volunteers in each lecture room to help with the 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 keep to the exact timeline for the session:
- 10 minutes presentation
- 5 minutes discussion
A 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 the timing of the presentation. When necessary, a red card will be shown to you again after the allocated 15 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.

MINI-ORAL SESSIONS
BEFORE
Mini-oral sessions require the pre-upload of the presentation in PDF format: 4 slides only, in landscape (horizontal, 16:9). The presentation time is 3 minutes plus 2 minutes for questions and answers. The presentation must be pre-uploaded in advance of the congress via your ECSS account (deadline: June 15, 2017).

Please locate the lecture room of your mini-oral session 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’s 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 keep to the exact timeline for the session:
- 3 minutes presentation
- 2 minutes discussion
The Chair will initiate discussion allowing the audience to pose questions first.

AFTER
Please clear the room as soon as possible at the end of the mini-oral sessions as there may be a session following shortly afterwards.
CONVENTIONAL POSTER SESSIONS
Prepare your poster (Size A0, height: 120cm, width: 90cm) before the congress and bring it with you to the venue. There will be a chaired poster session at the indicated time slot. You will have 2 minutes to present the poster and 2 minutes to discuss afterwards.
Pin up your poster at the designated spot (poster board) at 08:00 in the morning of the day of your presentation. Remove your poster at 18:00 on the evening of the day of your presentation. Posters that have not been removed by 18:00 will be removed by ECSS.

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 congress participants have paid. Lunches (if pre-booked) are served in the Exhibition Area (CCE South, lower ground floor, Hall 1A) from Thursday to Friday. On Saturday the lunch will be served in the foyer of the CCE West. 
Please note that on Wednesday July 5 the will be snacks served in the exhibition hall 1A at 13:30 - 14:00 h. For the snack, pre-booking is not required. Coffee breaks alike are served in the Exhibition Area [CCE South, lower ground floor, Hall 1A] from Wednesday to Friday. On Saturday the coffee will also be served in the foyer of the CCE West.

LUNCH TICKETS (IF PRE-BOOKED)
Participants have been asked to pre-book lunches, indicating special dietary requirements. They will receive a lunch ticket for each day (Thursday, Friday, and Saturday) at the registration desk upon arrival.

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

TRANSPORT
The city of Essen is easily accessible via plane from several different airports (e.g. Dortmund (DTM), Düsseldorf (DUS), Cologne (CGN), Frankfurt (FRA)) and via train and car from elsewhere in Europe. Essen main railway station is very well connected to many big German cities and several ICES (high speed trains) stop in Essen.
It is easy to travel within the Metropolis Ruhr area by train. The cities are well connected with high speed and regional train connections. Within the city of Essen you are able to use regional trains, metros, buses and trams to get around. The closest metro station at Messe Essen is Messe West-Sud/Gruga, which is the last stop of the metro line U11. It takes approximately 5 minutes to reach Messe Essen from the main train station.

MESSAGES AND CHANGES TO THE PROGRAMME
Messages to participants are sent via email. Any changes to the programme will also be announced via email.

INTERNET SERVICES
Wireless internet will be available at the congress venue. The name of the network is ECSS2017.

ECSS EXHIBITION
The exhibition is located in CCE South on the lower ground floor (Hall 1A).
The opening hours, at which exhibitors’ attendance is mandatory, are:
- Wednesday, July 5, 2017, 9:00–18:00 and 20:00–21:00 (during opening reception sponsored by City of Essen, booth attendance optional)
- Thursday, July 6, 2017, 9:00–18:00
- Friday, July 7, 2017, 9:00–18:00

THE 1ST ECSS EXHIBITION RAFFLE
By participating the competition delegates have the possibility to win a unique ECSS iPad and great product prizes sponsored by ECSS exhibitors! Delegates receive a raffle coupon with their congress bag. To make use of this coupon attendees need to visit selected exhibitors and complete a task given at their exhibition booth. After accomplishing the task delegates will get awarded with the company stamp on their coupon. Once collected at least ten stamps, they qualify for the raffle which will take place on Saturday at the ECSS information booth (exhibition ends on Friday at 18:00).

Date: Wednesday, 5 July - Friday 7 July
Time: Exhibition opening hours
Location: Exhibition hall

TOURIST INFORMATION
Essen is located in the Ruhr Area. One of the largest agglomerations in Germany and the world. The Ruhr Area consists of eleven cities and four administrative districts and is home to over 5.2 million people. The region has been heavily influenced by the coal and steel industry but has developed into a vibrant service and culture oriented metropolitan area. The three biggest cities in the area are: Essen, Bochum and Dortmund – the organising cities of the congress. The Ruhr Area has many museums and sights to offer – often with an emphasis on the (former) industries. Sport is also a predominant topic in this part of Germany: two of the top football clubs are situated in the Ruhr Area (Borussia Dortmund and FC Schalke). In Dortmund you can visit the German Football Museum.
The river Ruhr flows through the Ruhr Area (hence the name) and there are artificial and natural lakes that invite you for a dip or walk in the nature. Next door to the Congress Center Essen (CCE) you can enter the Grugapark which is free of charge for congress participants. Here you can find botanical gardens with rare and beautiful plants, restaurants, bars, and a health centre and spa. The illuminated main path is perfect for doing your own recreational activities, such as running or walking. In just a five minute walk from CCE you can reach the popular dining and nightlife area “Rüefischneider Straße”, where local pubs invite you to linger after a long and busy congress day. If you would like to learn more about Germany, we recommend that you visit the city of Cologne and other spots in the region of North-Rhine Westphalia. Please find more information about things to do on the ECSS congress website.

SOCIAL PROGRAMME
The ECSS congress in MetropolisRuhr offers you a wide range of social events outside the scientific programme. All functions are included in the congress registration fees, unless otherwise indicated.

PRESS CONFERENCE
The press conference takes place on Wednesday, July 5, 2017 at 09:45 in room: N/South
**General Information**

**ECSS GENERAL ASSEMBLY**
All ECSS members are invited to join the ECSS general assembly to receive the latest facts, figures and information about the development of the college. Wednesday, July 5, 2017, 11:00 – 12:00, room: Berlin/West

**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 exciting local entertainment. Opening reception sponsored by the City of Essen (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 a welcome drink sponsored by the City of Essen.

**FEPSAC EVENING**
Join the FEPSAC president, Anne-Marie Elbe, for an informal gathering after the opening reception to network and discuss. Registration required. Wednesday, July 5, 2017, 21.30, Das Schön, Rüttenscheider Strasse 199, 45131 Essen

**3RD BENGT SALTIN RUN (REGISTRATION REQUIRED)**
The run is scheduled for Friday, July 7, 2017, at 07:00 in remembrance of ECSS founding member and ECSS Patron Prof. Bengt Saltin. It will take place in the Grugapark next to the venue, and the race track will be a 5km run consisting of two laps through the beautiful park.

**FRIDAY NIGHT OUT**
Two options are offered for you to spend your Friday night (July 7) with ECSS colleagues, friends, and acquaintances.
- Option 1: Classic version – a pub crawl at one of Essen’s hotspots
  Meeting Point: at 20:00 in front of the main entrance of Messe Essen
- Option 2: Rock & Pop version – an open air music festival in the famous Bermuda3eck of Bochum City
  Meeting Point: at 18:00 in front of the info desk next to the registration

**MOVIE LUNCH “TOWN OF RUNNERS”**
We offer you an opportunity to watch an interesting documentary of Kenyan runners during the lunch break on Saturday.
Saturday, July 8, 2017, 12:55 – 14:00, room: Berlin/West

**CLOSING CEREMONY**
The closing ceremony will immediately follow the Young Investigators Award ceremony and will feature a thank you and goodbye from MetropolisRuhr and a presentation from the 23rd ECSS Congress in Dublin 2018.

**ECSS CONGRESS PARTY (PRE-BOOKING REQUIRED)**
The ECSS congress party will take place at Schöner Alfred (Delta Essen), Frohnhauser Str. 75, 45143 Essen on Saturday, July 8, 2017. Doors open at 19:45, with a buffet available from 20:30 until 22:30. This is a good time to network, socialise and enjoy again the great atmosphere of the ECSS congress and most importantly, DANCE! Pre-booking is required. Schöner Alfred (Delta Essen) is easily accessible by public transport. The closest bus station is Westendsstr., with line number 145, which is 15 minute ride from the Essen Main Railway Station (Hauptbahnhof). There is also a night bus taking you back to the main railway station every hour after midnight.
Congress Exhibitors

15 - 1080 MOTION AB
1080 Sprint and 1080 Quantum
SWEDEN

92 - ACTIVINSIGHTS LTD
Professional wearables
UNITED KINGDOM

26 - AMTI
Biomechanics force platform
USA

91 - ARTINIS MEDICAL SYSTEMS B.V.
Near Infrared Spectroscopy
THE NETHERLANDS

7 - BIOPAC SYSTEMS, INC.
Data Acquisition Systems
USA

2A - BTS BIOENGINEERING
Motion analysis and advanced rehabilitation treatment devices
ITALY

97 & 98 - BUNDESINSTITUT FÜR SPORTWISSENSCHAFT (BISP)
Research management
GERMANY

37 - CAMNTECH LTD.
Actiheart
UNITED KINGDOM

9 - CAREFUSION GERMANY 234 GMBH
Lung function devices
GERMANY

49 & 50 - CATAPULT SPORTS PTY LTD
Athlete analytics
UNITED KINGDOM

36 - CHECKMYLEVEL
Checkmylevel solution
FINLAND

88 - CONTEMPLAS GMBH
Professional Motion Analysis Systems
GERMANY

10, 12, 16 & 18 - CORTEX BIOPHYSIK GMBH
CPET systems
Germany

68, 70, 71 & 73 - COSMED S.R.L.
Comprehensive Cardiopulmonary, Metabolic and Body Composition solutions for the Research, Sport Science and human Performance field
ITALY

51 - DELSYS INC.
Wearable sensors for movement sciences (EMG, IMU and other biomechanical and physiological sensors)
USA

19 - ECSS DUBLIN 2018
23rd annual congress of the ECSS, 4th to 7th July 2018
IRELAND

66 - EXELIO SRL
GPEXE System
ITALY

11 - FIRSTBEAT TECHNOLOGIES LTD.
Firstbeat Sports
Finland

64 - GAIT UP SA
Wearable Motion analysis solutions for professionals (Running, Gait, Activity monitoring,...)
SWITZERLAND

4 - H/P/COSMOS SPORTS & MEDICAL GMBH
h/p/cosmos treadmill solutions
GERMANY

17 - HUMAN KINETICS EUROPE LTD
Sport Science books
UNITED KINGDOM

40, 41 & 42 - HUR
Performance testing products and intelligent exercise equipment introducing automated Power and Intensity measurement
FINLAND

89 - INBODY
body composition analyzers
GERMANY

82 - JOURNAL OF SPORT AND HEALTH SCIENCE (JSHS)
SCI/SSCI indexed journal in sport/exercise/health sciences; IF: 1.685; Quarterly; Peer review; Open access; Hosted by Elsevier
CHINA

77 - KISTLER INSTRUMENTE AG
Force Plates, Force and Acceleration Sensors, Software for Performance and Balance analysis
SWITZERLAND

75 - LODE B.V.
Bicycle and treadmill ergometers as well as recumbent, arm and supine ergometers and ergometry software
THE NETHERLANDS

76 - MDT INT'L S.A.
Medical Devices
SWITZERLAND

13 - MEDICAP HOMECARE GMBH
topO2-Measurement, Hypoxie-Training
GERMANY

6 & 8 - MICROGATE SRL
Systems for training and performance evaluation
ITALY
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<thead>
<tr>
<th>Exhibitor ID</th>
<th>Company Name</th>
<th>Products / Services</th>
<th>Country</th>
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<td>MONARK EXERCISE AB</td>
<td>Exercise bikes, cycle ergometers</td>
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<td>MOTICON GMBH</td>
<td>Sensor insoles</td>
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<td>72</td>
<td>MOVISENS GMBH</td>
<td>Ambulatory assessment and mobile monitoring products as well as services for science and research</td>
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<td>39</td>
<td>MYON AG</td>
<td>Wireless electromyography and wireless inertial measurement units, software</td>
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<td>PAL TECHNOLOGIES LTD</td>
<td>activPAL™ &amp; Activator™ - research tools for objective measurement of free-living physical behaviours</td>
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<td>PHYSIOFLOW / MANATEC BIOMEDICAL</td>
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<td>PHYSIOMED ELEKTROMEDIZIN AG</td>
<td>High-quality equipment for traditional an innovative physical and biomechanical diagnostics and therapy forms</td>
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<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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<td>REALTRACK SYSTEMS</td>
<td>Player Tracking Data System</td>
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<td>RENEW HEALTH LIMITED</td>
<td>Renew ECP Therapy</td>
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<td>ROUTLEDGE TAYLOR &amp; FRANCIS GROUP</td>
<td>Publisher of European Journal of Sport Science</td>
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<td>TMG-BMC D.O.O.</td>
<td>TMG SI - System for muscle diagnostics</td>
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<td>62 &amp; 63</td>
<td>VELAMED GMBH, QUALISYS AB, BERTEC CORP.</td>
<td>Biomechanic Full Supplier</td>
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<td>SRM High Performance Ergometer, Powermeter, Indoortrainer</td>
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<td>WOODWAY GMBH</td>
<td>WOODWAY Treadmills for professional Sports, Fitness, Medical and Rehabilitation / WATTBIKE Indoor Training Bikes</td>
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Parallel Programme

Satellites

From the Lab to the Track – Current Aspects of Testing, Training and Recovery in Elite Sports – hosted by RUB

Tuesday, July 4, 2017
10:00 – 18:00
RUB - Bochum

2017 Catapult Performance Symposium – hosted by Catapult

Tuesday, July 4, 2017
13:00 –
Room: Berlin/West

Lab to the Field: Translation of Sports Nutrition into Practical Application – hosted by Gatorate Sport Science Institute (GSSI)

Wednesday, July 5, 2017
09:00 – 12:00
Room: Deutschland/South

ECSS Workshops

EWSSa - Publishing tips to help you succeed

Wednesday, July 5
10:30 – 12:00
Room: Brüssel/West

EWSSb - Rethinking ‘Q’ualitative methods: From concept to practice

Wednesday, July 5
09:00 – 10:30
Room: M/South

Sponsored Workshop

Metabolic Power in Team Sports - Fundamentals, Applications and Controversies

Wednesday, July 5
09:00 – 10:30
Room: L/South

Evidence-based exercise prescription with cardiopulmonary exercise testing - hosted by Cortex

Wednesday, July 5
10:30 – 12:00
Room: Mailand/West

SimplifyForce Measurement, Analysis & Reporting Worldwide - hosted by Kistler

Wednesday, July 5
10:30 – 12:00
Room: New York/West

Analysing wearable data for performance and lifestyle - hosted by Activinsights

Wednesday, July 5
10:30 – 12:00
Room: M/South

Advances in Skeletal Muscle Function Assessment (ASMFA) – new journal introduction - hosted by TMG

Wednesday, July 5
10:30 – 12:00
Room: L/South

No Intensity Training... An Evidence Based Introduction to Renew Therapy in Aiding Sports Recovery and Performance - hosted by Renew Health

Thursday, July 6
12:45 – 14:00
Room: Rheinland/West

Performance monitoring muscle activation in real time, indoor and outdoor - hosted by WIMU PRO & Myontec

Date: Friday, July 7, 2017
Time: 13:00 - 14:00
Please find more information here.
No registration required.

Awards

ECSS Young Investigators Award (YIA)

Presentations
Wednesday, July 5
Thursday, July 6
(Sessions marked YIA)

Finalists Presentations
(top 4 oral presentations)
Saturday, July 8
15:30 – 16:45
Room: Europa/West

Awards Ceremony
Saturday, July 8
17:30 – 18:00
Room: Europa/West

GSSI Nutrition Award

Finalists’ Presentations
Wednesday, July 5
14:00 - 15:30
Room: Deutschland/South

Awards Ceremony
Wednesday, July 5
18:30 – 19:00
Room: Europa/West
Parallel Programme

Aspetar Excellence in Football Award
Finalists' Presentations
Wednesday, July 5
12:00 - 13:30
Room: Deutschland/South

Awards Ceremony
Wednesday, July 5
18:30 – 19:00
Room: Europa/West

EJSS Best Paper Award
Award ceremony
Saturday, July 8
18:00
Room: Europa/West

German Tennis Federation Award
Finalists' Presentations
Thursday, July 6
08:00 - 11:15
Room: New York/West

Awards Ceremony
Thursday, July 6
12:45 – 14:00
Room: New York/West

Special Interest Groups (SIG)
Environmental Physiology
Wednesday, July 5
10:30 - 12:00
Room: Rheinland/South

Elite Sport Performance
Thursday, July 6
14:00 - 15:30
Room: N/South

Sports Nutrition
Thursday, July 6
18:00 - 19:30
Room: Rheinland/South

ECSS General Assembly
ECSS General Assembly
Wednesday, July 5
11:00 – 12.00
Room: Berlin/West

Movie Lunch
Town of runners
Saturday, July 8
12:55 – 14:00
Room: Berlin/West

Media
Press conference
A press conference takes place on
Wednesday, July 5, 2017 at 10:00 – 10:30.
Room: N/South

Sport Science Slam
RUB
Tuesday, July 4
19.00 - 21.00
Hochschule für Gesundheit
Bochum, Gesundheitscampus Nord
Room: AudiMax
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<th>Day</th>
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<th>Title</th>
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<td>Development of talented players to world champions in football</td>
<td>DUDA, J. [UNITED KINGDOM] FERRALTI, A. [GERMANY]</td>
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<td>Thursday</td>
<td>July 6, 2017</td>
<td>11:30 - 12:45</td>
<td>PS-PL02</td>
<td>INCLUSION IN SPORT</td>
<td>ABEL, T. [GERMANY] JAITNER, T. [GERMANY]</td>
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<td>Prostheses and orthoses – how do they effect load management and sports performance?</td>
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<td>Developing elite football players: practice, specificity, and plasticity</td>
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<td>Scientific support for elite football - lessons from Brazil 2014</td>
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<td>Friday</td>
<td>July 7, 2017</td>
<td>11:30 - 12:45</td>
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<td>BACK PAIN - PREVENTION AND THERAPY IN THE MODERN SOCIETY</td>
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<td>Prostheses and orthoses – how do they effect load management and sports performance?</td>
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<td>New insights into motor adaptations in low back pain and neck pain implications for sports medicine and rehabilitation</td>
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<td>Saturday</td>
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<td>11:30 - 12:45</td>
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<td>PHYSICAL ACTIVITY AND BIOPSYCHOSOCIAL MODULATION IN MUSCULOSKELETAL PAIN: HOW TO CONCEPTUALIZE HEALTH-PROMOTING ACTIVITY?</td>
<td>HASENBRING, M. [GERMANY]</td>
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Wednesday, July 5th, 2017

12:00 - 13:30

Europa/West  OP-PM03
ENDURANCE AND PERFORMANCE
Chair(s):
Hartmann, U. [Germany]
Beneke, R. [Germany]
12:00  [YIA] OP-PM03-1
A COMPARISON OF DICARBONYL STRESS AND ADVANCED GLYCAATION ENDPRODUCTS IN LIFELONG ENDURANCE ATHLETES VERSUS SEDENTARY CONTROLS
MAESSEN, M. ET AL [NETHERLANDS]
12:15  [YIA] OP-PM03-2
DIETARY NITRATE SUPPLEMENTATION ATTENUATES PROGRESSIVE LOSS OF EFFICIENCY DURING PROLONGED MODERATE-INTENSITY EXERCISE
TAN, R. ET AL [UNITED KINGDOM]
12:30  [YIA] OP-PM03-3
HOW DO ELITE CYCLISTS COMBINE HIGH-SPRINT AND ENDURANCE PERFORMANCE?
VAN DER ZWAARD, S. ET AL [NETHERLANDS]
12:45  [YIA] OP-PM03-4
INFLUENCE OF LIGHT EXPOSURES ON CYCLING PERFORMANCE AND MELATONIN LEVELS IN MALE ELITE ENDURANCE ATHLETES – A DOUBLE-BLIND RANDOMIZED CONTROLLED TRIAL
KNAIR, R. ET AL [SWITZERLAND]
13:00  [YIA] OP-PM03-5
MUSCULOSKELETAL CHARACTERISTICS FOR ELITE DISTANCE RUNNERS AND NON-COMPETITIVE KENYANS
KUNIMASA, Y. ET AL [JAPAN]

Deutschland/South  OP-PM02
ASPETAR FOOTBALL SCIENCE AWARD
Chair(s):
Hopkins, W. [Australia]
Ali, A. [New Zealand]
Coutts, A. [Australia]
12:00  [YIA] OP-PM02-1
THE EFFECT OF IN-GAME FOOTBALL COOLING STRATEGIES UPON CORE TEMPERATURE
CHALMERS, S. ET AL [AUSTRALIA]
12:15  [YIA] OP-PM02-2
BETTER MATCH PHYSICAL PERFORMANCE ACHIEVED IN PROFESSIONAL FOOTBALL WITH HIGHER VARIABILITY DURING TRAINING: A MACHINE-LEARNING APPROACH
FERNÁNDEZ, J. ET AL [SPAIN]
12:30  [YIA] OP-PM02-3
MONITORING MUSCLE-TENDON ADAPTATION IN ELITE ATHLETES: PRELIMINARY DATA FROM A 1-YEAR LONGITUDINAL INVESTIGATION
KÖNIG, M. ET AL [GERMANY]
12:45  [YIA] OP-PM02-4
ACHILLES TENDON MECHANOSENSITIVITY IS PRESERVED IN OLD AGE: IN VIVO EVIDENCE FROM A 1.5 YEARS LONG RESISTANCE TRAINING INTERVENTION
EPRO, G. ET AL [GERMANY]
13:00  [YIA] OP-PM02-5
EIGHT WEEKS OF PROGRESSIVE RESISTANCE TRAINING DO NOT CHANGE PLANTARFLEXOR MUSCLE-TENDON PROPERTIES IN CHILDREN WITH SPASTIC CEREBRAL PALSY
KRUSE, A. ET AL [AUSTRIA]
13:15  [YIA] OP-PM02-6
THE EFFECT OF COLD WATER IMMERSION ON MEDIAL GASTROCNEMIUS MUSCLE ARCHITECTURE AND PERFORMANCE POST-EXHAUSTIVE STRETCH-SHORTENING CYCLE EXERCISE
KOSITSKY, A. ET AL [FINLAND]

Berlin/West  OP-BN02
MUSCLE-TENDON FUNCTION
Chair(s):
Seynnes, O. [Norway]
Boar, K. [United States]
12:00  [YIA] OP-BN02-1
MUSCLE-TENDON LENGTH- AND FORCE AFFECT HUMAN TIBIALS ANTERIOR CENTRAL APONEROSIS STIFFNESS IN VIVO
RAITERI, B. ET AL [AUSTRALIA]
12:15  [YIA] OP-BN02-2
MUSCLE-TENDON INTERACTION DURING AN ENERGY DISSIPATION TASK
WURTH, M. ET AL [GERMANY]
12:30  [YIA] OP-BN02-3
EFFECTS OF DIFFERENT MORNING PRIMING EXERCISES ON AFTERNOON PERFORMANCE IN ROAD CYCLISTS
DONGHI, F. ET AL [ITALY]
12:45  [YIA] OP-BN02-4
EIGHT WEEKS OF PROGRESSIVE RESISTANCE TRAINING DO NOT CHANGE PLANTARFLEXOR MUSCLE-TENDON PROPERTIES IN CHILDREN WITH SPASTIC CEREBRAL PALSY
KRUSE, A. ET AL [AUSTRIA]
13:00  [YIA] OP-BN02-5
THE EFFECT OF COLD WATER IMMERSION ON MEDIAL GASTROCNEMIUS MUSCLE ARCHITECTURE AND PERFORMANCE POST-EXHAUSTIVE STRETCH-SHORTENING CYCLE EXERCISE
KOSITSKY, A. ET AL [FINLAND]

Rheinland/South  OP-PM60
STROKE AND PARKINSON DISEASES
Chair(s):
Taube, W. [Switzerland]
Hauer, R. [Austria]
12:00  OP-PM60-1
EFFECTS OF A SINGLE SESSION OF BIHEMISPHERIC TRANSCRANIAL DIRECT CURRENT STIMULATION ON THE STRENGTH AND ACTIVATION LEVEL OF KNEE EXTENSORS IN PATIENTS WITH STROKE
GEISSLER, M. ET AL [FRANCE]
12:15  OP-PM60-2
CO-CONTRACTION OF LOWER LUMB MUSCLES DURING GAIT IN POST-STROKE PATIENTS
SOUSSI, H. ET AL [FRANCE]
12:30  OP-PM60-3
CORRELATION BETWEEN STRENGTH AND FUNCTIONAL TESTS IN ELDERLY PEOPLE WITH PARKINSON’S DISEASE
CLAEI, S. ET AL [BRAZIL]
12:45  OP-PM60-4
ARE ANTICIPATORY POSTURAL ADJUSTMENTS PRIOR TO GAIT INITIATION COMPROMISED IN PEOPLE WITH PARKINSON’S DISEASE WITH FREEZING OF GAIT?
SCHLENSTEDT, C. ET AL [GERMANY]
13:00  OP-PM60-5
PERTRUPTION DURING TREADMILL TRAINING IMPROVES DYNAMIC BALANCE, AND GAIT IN PARKINSON’S DISEASE: A SINGLE-BLIND RANDOMIZED CONTROLLED PILOT TRIAL
STEIB, S. ET AL [GERMANY]
**Wednesday, July 5th, 2017**

**12:00 - 13:30**

**New York/West**  
**OP-PM05**  
**PARALYMPICS**  
Chair(s):  
Müller, A. [Germany]  
Hoos, O. [Germany]  
12:00 [YIA] OP-PM05-1  
RELATIONSHIP BETWEEN PHYSIOLOGY AND PERFORMANCE OF HANDCYCLING IN ABLE-BODIED SUBJECTS  
QUITTMANN, O.J. ET AL [GERMANY]  
12:15 [YIA] OP-PM05-2  
EVALUATION OF DIFFERENT BLOOD LACTATE THRESHOLD CONCEPTS FOR CONSTANT LOAD PERFORMANCE PREDICTION IN HANDCYCLING  
STANGIER, C. ET AL [GERMANY]  
12:30 [YIA] OP-PM05-3  
WHAT DOES “INCLUSIVITY” MEAN WHILE PLAYING SITTING VOLLEYBALL? : FOCUSING ON THE COMPETITION BETWEEN DISABLED AND NON-DISABLED PLAYERS  
TANAKA, A. [JAPAN]  
12:45 [YIA] OP-PM05-4  
HEAD IMPACT OF SLALOM GATES ON PARALYMPIC ALPINE SIT-SKIERS - A PILOT STUDY  
GOLL, M. ET AL [GERMANY]  
13:00 [YIA] OP-PM05-5  
PARTICIPATION IN PHYSICAL ACTIVITY OF CHILDREN AND YOUTH WITH DISABILITIES  
ZUELL, A. ET AL [GERMANY]  

**Mailand/West**  
**OP-BN09**  
**MOVEMENT VARIABILITY**  
Chair(s):  
Ainsworth, B. [United States]  
McPhee, J. [United Kingdom]  
12:00 [YIA] OP-BN09-1  
DIFFERENTIAL LEARNING APPLIED IN STRENGTH TRAINING FOR WOMEN  
BUDIA, N.C. ET AL [AUSTRIA]  
12:15 [YIA] OP-BN09-2  
TOWARDS THE CONTROL OF MINIMAL TOE CLEARANCE IN WALKING  
HAMACHER, D. ET AL [GERMANY]  
12:30 [YIA] OP-BN09-3  
IS THERE A DIFFERENCE IN THE CONTROL OF THE DOMINANT LEG COMPARED TO THE NON-DOMINANT LEG?  
PROMSRI, A. ET AL [AUSTRIA]  
12:45 [YIA] OP-BN09-4  
THE EFFECT OF ISOITYPIS FOR OWN MOTOR VARIABILITY ON AIMING POINT IS LIMITED  
YAMAWOTO, H. ET AL [JAPAN]  
13:00 [YIA] OP-BN09-5  
VARIABLE INERTIA TRAINING: OPTIMIZATION OF EXPLOSIVE-POWER EXERCISES WITH ROBOTIC-RESISTANCE STRENGTH MACHINES  
BISCARINI, A. ET AL [ITALY]  
13:15 [YIA] OP-BN09-6  
COMPARING A MOVEMENT AND SKILL ADAPTABILITY PROGRAM TO A CONVENTIONAL TENNIS TRAINING PROGRAM  
POITIER, A. ET AL [AUSTRALIA]  

**Brüssel/West**  
**OP-BN01**  
**MOTOR CONTROL: SKILL ACQUISITION**  
Chair(s):  
Schmitz, G. [Germany]  
Muehlbauer, T. [Germany]  
12:00 [YIA] OP-BN01-1  
PRACTICING A MOTOR SKILL WITH ONE HAND DISRUPTS EARLY CONSOLIDATION OF ANOTHER SKILL PREVIOUSLY ACQUIRED WITH THE OTHER HAND  
RUFFIEUX, J. ET AL [SWITZERLAND]  
12:15 [YIA] OP-BN01-2  
EFFECTS OF REAL-TIME AUDITORY FEEDBACK ON PROPERPOCEPTIVE ACCURACY  
GHAI, S. ET AL [GERMANY]  
12:30 [YIA] OP-BN01-3  
SURROUND INHIBITION IS INSTANTLY MODULATED BY CHANGING THE ATTENTIONAL FOCUS  
KUHN, Y. ET AL [SWITZERLAND]  
12:45 [YIA] OP-BN01-4  
THE EFFECT OF ATTENTIONAL FOCUS ON MINDFULNESS DURING A 6-WEEK BALANCE EXERCISE TRAINING PROGRAM IN YOUNG ADULTS  
PANTANO, K. ET AL [UNITED STATES]  

**L/South**  
**OP-PM16**  
**TRAINING IN KINDERGARTEN AND SCHOOL**  
Chair(s):  
McNarry, M. [United Kingdom]  
Williams, C. [United Kingdom]  
12:00 [YIA] OP-PM16-1  
FEASIBILITY AND EFFECTIVENESS OF A PHYSICAL ACTIVITY INTERVENTION DURING RECESS IN PRIMARY SCHOOL  
CASDOLO, A. ET AL [ITALY]  
12:15 [YIA] OP-PM16-2  
PROFILING MOVEMENT QUALITY, MOTOR COMPETENCE AND GAIT CHARACTERISTICS IN 3-5 YEAR OLD CHILDREN  
CLARK, C.C.T. ET AL [UNITED KINGDOM]  
12:30 [YIA] OP-PM16-3  
The impact of summer holidays and school deprivation index upon cardiorespiratory fitness levels in primary school children  
MANN, S. ET AL [UNITED KINGDOM]  
12:45 [YIA] OP-PM16-4  
COMPARISON OF THREE METHODS OF PHYSICAL ACTIVITY TRAINING ON BODY COMPOSITION, PHYSICAL FITNESS FACTORS AND BLOOD PRESSURE AMONG OVERWEIGHT OR OBESER PRIMARY SCHOOL GIRLS  
ZIDASHI, Z. [IRAN]  
13:00 [YIA] OP-PM16-5  
THE SPORT EXPERIENCE AND BALANCE CONTROL: A DEVELOPMENTAL PERSPECTIVE  
OLIVEIRA, A. ET AL [BRAZIL]  

**M/South**  
**OP-SH01**  
**COGNITION AND WELLBEING**  
Chair(s):  
Ando, S. [Japan]  
Abeln, V. [Germany]  
12:00 [YIA] OP-SH01-1  
EFFECT OF HIGH-GROOVE MUSIC COMBINED WITH MILD EXERCISE ON MOOD AND EXECUTIVE FUNCTION  
FU, D. ET AL [UNITED KINGDOM]  
12:15 [YIA] OP-SH01-2  
The interactive effect of wanted, requested and received social support on support satisfaction and affect  
FU, D. ET AL [UNITED KINGDOM]  
12:30 [YIA] OP-SH01-3  
THE INFLUENCE OF MUSIC ON REAL-LIFE PHYSICAL ACTIVITY: AN EEG STUDY  
BICCIASSI, M. ET AL [UNITED KINGDOM]  
12:45 [YIA] OP-SH01-4  
COGNITIVE IMPAIRMENT IS ACCOMPANIED BY LOWER PHYSICAL ACTIVITY LEVELS AMONG ELDERLY WITH MEMORY COMPLAINTS  
STUCKENSCHNEIDER, T. ET AL [GERMANY]  

**N/South**  
**OP-SH03**  
**SPORT ORGANISATION AND POLITICS**  
Chair(s):  
Loth, A. [Germany]  
Mutz, M. [Germany]  
12:00 [YIA] OP-SH03-1  
SPORTS GOVERNANCE IN METROPOLITAN REGIONS: THEORETICAL AND EMPIRICAL IMPLICATIONS  
TROSIEN, G. ET AL [GERMANY]
Oral & Invited Presentations

Wednesday, July 5th, 2017

14:00 - 15:30

Europa/West  OP-PM07

HYPOXIA AND ALTITUDE

Chair(s):
Girard, O. [Qatar]
Krusche, T. [Germany]

14:00 [YIA] OP-PM07-1

CONSUMPTION OF A HIGH FAT BREAKFAST ATTENUATES THE SUPPRESSION OF APPETITE AND ACYLATED GHRELIN DURING EXERCISE

Deutschland/South  OP-PM01

GSSI NUTRITION AWARD

Chair(s):
Breen, L. [United Kingdom]
Roastad, T. [Norway]

14:00 [YIA] OP-PM01-1

SIMILAR METABOLIC AND FUNCTIONAL RESPONSE TO BEETROOT JUICE SUPPLEMENTATION DURING REPEATED WINGATE TESTS IN RECREATIONAL, COMPETITIVE AND ELITE ATHLETES

Berlin/West  OP-PM09

PERFORMANCE AND RECOVERY

Chair(s):
Kellmann, M. [Germany]
Trompeter, K. [Germany]

14:00 [YIA] OP-PM09-1

EFFECTS OF POST-EXERCISE SAUNA BATHING ON RECOVERY OF SWIM PERFORMANCE

Rheinland/South  OP-PM39

HEALTH AND FITNESS IN CHILDREN AND ADOLESCENTS

Chair(s):
Pielies, G. [United Kingdom]
Muehlbauer, T. [Germany]

14:00  OP-PM39-1

CHILDREN AND ADOLESCENTS’ INTERPRETATIONS AND UNDERSTANDING OF 3D PRINTED MODELS OF PHYSICAL ACTIVITY

14:30  OP-PM39-2

ADIPOSITY, MUSCULAR FITNESS AND CARDIOVASCULAR RISK FACTORS IN ADOLESCENTS: DEFINING ROLES THROUGH MEDIATION ANALYSIS

Pérez-Pérez, A. et al [Spain]
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<td>CASTRO-PINERIO, J. ET AL [SPAIN]</td>
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<td>WOUTERS, M. ET AL [NETHERLANDS]</td>
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<td>[YIA] OP-BN04-1</td>
<td>RATE OF TORQUE DEVELOPMENT IS ASSOCIATED WITH MUSCLE FIBER CONDUCTION VELOCITY IN POWER ATHLETES</td>
<td>DEL VECCHIO, A. ET AL [ITALY]</td>
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<td>RELATIONSHIP BETWEEN MUSCLE SIZE OF PSOAS MAJOR AND KICKED BALL SPEED IN SOCCER PLAYERS</td>
<td>WAKAHARA, T. ET AL [JAPAN]</td>
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<td>NO DIFFERENCES IN MUSCLE AND TENDON TISSUE PROPERTIES OF COMPETITIVE FOOTBALL GOALKEEPERS AND MIDFIELDERS: A PILOT STUDY</td>
<td>KONRAD, A. ET AL [AUSTRIA]</td>
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<td>14:45</td>
<td>OP-PM07-4</td>
<td>WITHIN SESSION SEQUENCING EFFECTS OF BALANCE AND PLYOMETRIC EXERCISES ON PHYSICAL PERFORMANCE IN YOUTH SOCCER ATHLETES</td>
<td>CHAOUACHI, A. ET AL [TUNISIA]</td>
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<td>EXPLOSIVE TECHNICAL ACTIONS INCREASE FATIGUE INDEX IN THE RSA URIFIDE SOCCER TEST</td>
<td>BLASCO-LAFARGA, C. ET AL [SPAIN]</td>
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<td>EFFECTS OF 1-HOUR ACHILLES TENDON VIBRATION ON POSTURAL CONTROL IN YOUNG AND OLDER ADULTS</td>
<td>PENZER, F. ET AL [BELGIUM]</td>
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<td>15:00</td>
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<td>MODULATION OF THE SOLEUS H REFLEX WHEN ASCENDING AND DESCENDING A STAIRCASE IN YOUNG AND OLDER ADULTS</td>
<td>JOHANINSSON, J. ET AL [BELGIUM]</td>
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<td>15:15</td>
<td>OP-BN04-5</td>
<td>ACUTE EFFECTS OF MOTOR IMAGERY ON SPINAL FACILITATION AND INHIBITION</td>
<td>GROSSTRE, S. ET AL [FRANCE]</td>
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<td>14:00</td>
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<td>PHYSIOLOGICAL RESPONSES AND ENERGY EXPENDITURE MEASUREMENT DURING SIMULATED TAEKWONDO COMBAT PAD-WORK PROTOCOLS: INFLUENCE OF DIFFERENT WORK:REST RATIOS</td>
<td>LANGAN-EVANS, C. ET AL [UNITED KINGDOM]</td>
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<td>STANDARDIZING A WHOLE-BODY ACUSTIC-BASED ENDURANCE TEST IN U15 GERMAN JUDO ATHLETES – APPROACHING PERCENTILE RANKS</td>
<td>KIRBSCHULS, K. ET AL [GERMANY]</td>
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<td>ENERGY SYSTEM CONTRIBUTIONS IN UPPER- AND LOWER- BODY WINGATE TESTS IN JUDO ATHLETES</td>
<td>FRANCHINI, E. ET AL [BRAZIL]</td>
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<td>14:45</td>
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<td>ACUTE EFFECTS OF DIFFERENT WARM-UP PROTOCOLS ON 30 M. SPEED, FLEXIBILITY, VERTICAL JUMP, STRENGTH, BALANCE AND ANAEROBIC POWER PERFORMANCE IN JUDOKAS</td>
<td>EKEN, O. ET AL [TURKEY]</td>
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<td>QUANTIFYING NEUROMUSCULAR FATIGUE INDUCED BY REPEATED THAI-STYLE ROUND-HOUSE KICKS</td>
<td>CIMADORO, G. ET AL [UNITED KINGDOM]</td>
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<td>OP-PM62-1</td>
<td>WELLCAR BASKETBALL ARE ARM CRANK AND WHEELCHAIR TREADMILL ERGOMETRY SUITABLE ASSESSMENT TOOLS?</td>
<td>REER, R. ET AL [GERMANY]</td>
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<td>A CROSS-SECTIONAL STUDY ON SARCOPENIA USING DIFFERENT METHODS: REFERENCE VALUES FOR HEALTHY SAUDI YOUNG MEN</td>
<td>AL-KAHTANI, S. [SAUDI ARABIA]</td>
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<td>THE IMPACT OF LOAD CARRIAGE ON LADDER ERGOMETER CLIMBING</td>
<td>BARRON, P.J. ET AL [UNITED KINGDOM]</td>
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<td>MORE INSIGHT INTO ANAEROBIC CAPACITY, W’ AND ANAEROBIC WORK PERFORMED COMPARED</td>
<td>TE POELE, K.J.A. ET AL [NETHERLANDS]</td>
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<td>[YIA] OP-SH02-1</td>
<td>EARLY DEVELOPMENTAL ENVIRONMENT AND OLYMPIC SUCCESS: HISTORICAL ANALYSIS OF AN AUSTRALIAN SPORTING “HOTSPOT”</td>
<td>O’NEILL, K. [AUSTRALIA]</td>
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<td>OLYMPIC PHILOSOPHY AND ITS CONTEMPORARY REFLECTION</td>
<td>HOGENOVA, A. [CZECH REPUBLIC]</td>
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<td>EVALUATION OF THE NATIONAL ANTI-DOPING CODE IN GERMANY</td>
<td>WÖRDEHOFF, A. [GERMANY]</td>
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<td>DRIVERS OF THE PUBLIC’S OPINION REGARDING ELITE SPORTS</td>
<td>HALLMANN, K. ET AL [GERMANY]</td>
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N/South  OP-SH04
DETERMINANTS OF PA IN ADULTS
Chair(s):
Netz, Y. [Israel]
Brixius, K. [Germany]
14:00  OP-SH04-1
SEASONALITY OF PHYSICAL ACTIVITY, SEDENTARY BEHAVIOR AND SLEEP IN MIDDLE AGED AND ELDERLY ADULTS OF THE ROTTERDAM STUDY
KOOLHAAS, C.M. ET AL [NETHERLANDS]
14:15  OP-SH04-2
ACTION FOR MEN – PARTICIPATORY ACTION RESEARCH FOR PHYSICAL ACTIVITY PROMOTION OF MEN AGED 50 PLUS
STROBI, H. ET AL [GERMANY]
14:30  OP-SH04-3
DISENTANGLING DAILY ASSOCIATIONS FROM INDIVIDUAL DIFFERENCES IN STUDYING THE INTERPLAY BETWEEN PHYSICAL ACTIVITY, SEDENTARY BEHAVIOR, BODILY PAIN AND FATIGUE IN OLDER ADULTS. A DIARY STUDY
STOUMANS, N. ET AL [AUSTRALIA]
14:45  OP-SH04-4
THE DIFFERENTIATED IMPACT OF PHYSICAL ACTIVITY AND SEDENTARY BEHAVIOUR ON THE COGNITIVE FUNCTION OF THE BRAIN IN THE ELDERLY.
SCHWARZ, S. ET AL [GERMANY]
15:00  OP-SH04-5
BEHAVIOURAL AUTOMATICITY MODERATES AND MEDIATES THE ASSOCIATION BETWEEN SELF-CONTROL AND PHYSICAL ACTIVITY BEHAVIOUR
PFEFFER, I. ET AL [GERMANY]
15:15  OP-SH04-6
ATTITUDE AND HABITS TOWARDS REGULAR PHYSICAL ACTIVITY – LARGE SAMPLE RESEARCH IN HUNGARY
SZÉKELY, M. [HUNGARY]

Wednesday, July 5th, 2017
15:30 - 17:00
Europa/West  IS-PM04
INDIVIDUALISATION IN RECOVERY SCIENCE
Chair(s):
Meyer, T. [Germany]
15:30  IS-PM04-1
INDIVIDUALIZED DIAGNOSIS OF FATIGUE AND RECOVERY NEEDS
HECKSTEDEN, A. [GERMANY]
16:00  IS-PM04-2
INDIVIDUAL RESPONSE TO INTERVENTIONS SUPPORTING RECOVERY
HALSON, S. [AUSTRALIA]
16:30  IS-PM04-3
SLEEP AND RECOVERY IN ELITE ATHLETES - A GOOD EXAMPLE FOR LARGE INTER INDIVIDUAL VARIABILITY
NEDELEC, M. [FRANCE]

Deutschland/South  OP-PM06
NUTRITION AND SUPPLEMENTS 1
Chair(s):
Fujita, S. [Japan]
Oertzen-Hagemann, V. [Germany]
15:30  [YIA] OP-PM06-1
FRUCTOSE AND SUCROSE INGESTION INCREASE EXOGENOUS CARBOHYDRATE OXIDATION RATES DURING EXERCISE IN TRAINED CYCLISTS
TROMMELEN, J. ET AL [NETHERLANDS]
15:45  [YIA] OP-PM06-2
IMPACT OF HIGH-CARBOHYDRATE AND HIGH-FAT DIET IN COMBINATION WITH NITRATE ON O2 UPTAKE KINETICS AND PERFORMANCE DURING HIGH-INTENSITY AEROBIC EXERCISE
PARIKHKOVA, E. ET AL [UNITED KINGDOM]
16:00  [YIA] OP-PM06-3
REGULATION OF EXERCISE-INDUCED IL-15 PROTEIN EXPRESSION BY ROS IN HUMAN SKELETAL MUSCLE
PÉREZ-LÓPEZ, A. ET AL [SPAIN]
16:15  [YIA] OP-PM06-4
CF INTAKE AFFECTS OXIDATIVE STRESS, ENDOTHELIAL FUNCTION AND CEREBRAL AND MUSCULAR OXYGENATION DURING EXERCISE IN HYPOXIA.
DECRUICH, L. ET AL [BELGIUM]
16:30  [YIA] OP-PM06-5
THE EFFECT OF CAFFEINATED COFFEE ON ANEROBIC PERFORMANCE IN RECREATIONAL ACTIVE MALES
KARAYIGIT, R. ET AL [TURKEY]

Panorama/West  OP-PM04
GENOMICS, PROTEOMICS AND MUSCLE MOLECULAR BIOLOGY
Chair(s):
Wessner, B. [Austria]
Bishop, D. [Australia]
15:30  [YIA] OP-PM04-1
A POLYGENIC PROFILE TO PREDICT RATE OF RECOVERY AFTER REPEATED MAXIMAL SPRINTS
BAUMERT, P. ET AL [UNITED KINGDOM]
15:45  [YIA] OP-PM04-2
THE VITAMIN D RECEPTOR IS A “BIOMARKER” OF HYPERTRPHIC RESPONSES TO RESISTANCE EXERCISE AND MECHANISTICALLY REGULATES MUSCLE MASS
BASS, J.J. ET AL [UNITED KINGDOM]
16:00  [YIA] OP-PM04-3
A PROSPECTIVE ASSOCIATION AND VALIDATION STUDY OF GENETIC VARIANTS AND HAMSTRING INJURY IN ELITE FOOTBALL PLAYERS
LARRUSKAIN, J. ET AL [SPAIN]
16:15  [YIA] OP-PM04-4
THE EFFECTIVENESS OF A SCHOOL-BASED MOTOR DEVELOPMENT INTERVENTION ON FUNDAMENTAL MOVEMENT SKILL PROFICIENCY AND MARKERS OF HEALTH AMONG IRISH CHILDREN
BOLGER, L.A. ET AL [IRELAND]
16:45  OP-PM10-5
THE EFFECTIVENESS OF A SCHOOL-BASED MOTOR DEVELOPMENT INTERVENTION ON FUNDAMENTAL MOVEMENT SKILL PROFICIENCY AND MARKERS OF HEALTH AMONG IRISH CHILDREN
BOLGER, L.A. ET AL [IRELAND]
ECSS MetropolisRuhr 2017 - Germany, 5-8 July

Wednesday, July 5th, 2017

15:30 - 17:00

**Rheinland/South OP-PM11**

**COACHING: PERFORMANCE**

Chair(s):
Lames, M. [Germany]
Hohmann, A. [Germany]

15:30 [YIA] OP-PM11-1
IMPLEMENTATION OF A MULTI-DIMENSIONAL MONITORING SYSTEM TO IDENTIFY PERFORMANCE DECREMENTS IN HIGHLY TRAINED SWIMMERS
CROWCROFT, S. ET AL [AUSTRALIA]

15:45 OP-PM11-2
COACHES’ PHILOSOPHIES ON THE USE OF STRENGTH TRAINING TO ENHANCE ELITE SPORT PERFORMANCE
BURNIE, L. ET AL [UNITED KINGDOM]

16:00 OP-PM11-3
ENDURANCE PERFORMANCE INDICATORS ARE INFLUENCED BY STRESS AND RECOVERY
OTTER, R.T.A. ET AL [NETHERLANDS]

16:15 OP-PM11-4
FROM TALENT TO ELITE BY DEVELOPING AN APPROPRIATE PACING BEHAVIOUR IN JUNIOR SPEED SKATING
STOTER, I.K. ET AL [NETHERLANDS]

16:30 OP-PM11-5
CHANGES IN SUBMAXIMAL PERFORMANCE PARAMETERS AFTER AN ULTRA-MARATHON; PRACTICAL APPLICATIONS TO MONITOR OVERREACHING
LAMBERTS, R.P. ET AL [SOUTH AFRICA]

**New York/West OP-BN03**

**BIOMECHANICS: COORDINATION AND RUNNING**

Chair(s):
Girard, O. [Qatar]
Wakeling, J. [Canada]

15:30 [YIA] OP-BN03-1
CHALLENGING LOCOMOTION STABILITY AND MODULAR ORGANIZATION IN PERTURBED RUNNING
EKIZOS, C. A. ET AL [GERMANY]

15:45 OP-BN03-2
THE EFFECTS OF SHANK INERTIA MASS MANIPULATION ON TECHNIQUE OF ELITE SPRINTER AT MAXIMUM VELOCITY
ZHANG, C. ET AL [CHINA]

16:00 OP-BN03-3
ADAPTATIONS IN FOOT-GROUND INTERACTIONS DURING A PROGRESSIVE 12-WEEK RUNNING INTERVENTION IN FOOTWEAR WITH REDUCED CUSHIONING
COETZEE, D. [SOUTH AFRICA]

16:15 OP-BN03-4
IS REACTION TIME ALTERED BY MENTAL OR PHYSICAL EXERTION?
LE MANSEC, Y. ET AL [FRANCE]

16:30 OP-BN03-5
EFFECTS OF ANODAL TRANSCRANIAL DIRECT CURRENT STIMULATION ON CORTICOSPINAL EXCITABILITY DURING A SUBMAXIMAL VOLUNTARY CONTRACTION SUSTAINED TO FAILURE
ABDELMOULA, A. ET AL [BELGIUM]

16:45 OP-PM59-6
SEDENTARY BEHAVIOUR AND OBESITY IN ADULTS: APPLYING THE BRADFORD HILL CAUSALITY CRITERIA
BIDDLE, S. [AUSTRALIA]

**Mailand/West OP-BN21**

**NEUROMUSCULAR FATIGUE**

Chair(s):
Baudry, S. [Belgium]
Macintosh, B. [Canada]

15:30 OP-BN21-1
THE EFFECTS OF 12 WEEKS PILATES REFORMER TRAINING ON MAXIMUM KNEE STRENGTH AND ENDURANCE IN OBESE AND LEAN WOMEN
UZUN, S. ET AL [TURKEY]

16:00 OP-BN21-3
THE EFFECT OF EIGHT WEEKS COMBINED AEROBIC EXERCISE ON ED VARIABLES OF OBESE WOMEN
YILMAZ, N. ET AL [TURKEY]

16:15 OP-BN21-4
AN 8-WEEK COMBINED EXERCISE AND DIET INTERVENTION IMPROVES ENDOTHELIAL FUNCTION, ENDOTHELIAL PROGENITOR CELLS AND CIRCULATING IRISIN IN OBESE ADULTS
HUANG, J. ET AL [CHINA]

16:30 OP-BN21-5
CYTOKINES AND MAKERS OF INSULIN RESISTANCE RESPONSE DURING A MONTH OF DETRAINING IN AEROBIC- AND RESISTANCE-TRAINED OBESE MEN
NIKSERESHT, M. ET AL [IRAN]

16:45 OP-PM59-3
PERSONALIZED TRAINING IN EXERGAMES [AUSTRIA]

16:50 IS-SH08-2
SERIOUS GAMES IN SPORT AND HEALTH – CHANCES AND CHALLENGES
WIEMEYER, J. [GERMANY]

16:50 IS-SH08-3
FRIEND OR FOE? COMPETITION VERSUS CO-OPERATION IN GAMES FOR HEALTH
STAIANO, A.E. [UNITED STATES]

**M/South OP-SH05**

**PHYSICAL EDUCATION AND LEARNING**

Chair(s):
McCuaig, L. [Australia]
Gebken, U. [Germany]

15:30 OP-SH05-1
PLACEMENT OF VOLLEYBALL UNIT AS A TEACHING MATERIAL THROUGH ACTION RESEARCH
NAKAZAWA, K. ET AL [JAPAN]

15:45 OP-SH05-2
DELIVERING PHYSICAL EDUCATION AND SPORT IN SELECTED SCHOOLS IN SOWETO <SOUTH AFRICA>: SOWETO ACTIVE SCHOOLS PROGRAMME
HOLLANDER, W. [SOUTH AFRICA]

16:00 OP-SH05-3
EXTRACURRICULAR SCHOOL SPORT IN THE SCHOOL – A NEW APPROACH BESIDES...
Thursday, July 6th, 2017

08:00 - 09:30

Europa/West IS-PM03
TRAINING CHILDREN’S HEARTS - CARDIAC ADAPTATIONS TO EXERCISE AND TRAINING IN THE CHILDHOOD
Chairs:
Williams, C. [United Kingdom]
Peles, G. [United Kingdom]

08:30 IS-PM03-1 INTEGRATION OF ECHOCARDIOGRAPHY AND CARDIOPULMONARY TESTING WITH YOUNG ADOLESCENTS WILLIAMS, C.A. [UNITED KINGDOM]

09:00 IS-PM03-3 EXERCISE PERFORMANCE AND TRAINING ADAPTATION OF YOUNG ATHLETES OBERHOFER, R. [GERMANY]

Panorama/West OP-PM08
ESSA – ECSS EXCHANGE: THERMOREGULATION
Chairs:
Racinais, S. [Qatar]
Bärtsch, P. [Switzerland]

08:30 [YIA] OP-PM08-1 ESSA – ECSS EXCHANGE: SHOULD ENDURANCE ATHLETES COMPETE IN THE HEAT FOCUS ON COOLING BEFORE OR DURING COMPETITION? STEVENS, C. ET AL [AUSTRALIA]

09:00 IS-PM03-4 ACUTELY AND CHRONICALLY ALTERED NEUROMUSCULAR STATES INFLUENCE RESIDUAL FORCE ENHANCEMENT POWER, G. ET AL [CANADA]

08:30 IS-PM08-2 DIETARY NITRATE AS AN ERGOGENIC AID VERDUK, L. [Netherlands]

09:00 IS-PM08-3 PRACTICAL APPLICATION OF DIETARY NITRATE SUPPLEMENTATION IN SPORTS BURKE, L. [Australia]

08:30 IS-PM08-1 DIETARY NITRATE AS AN ERGOGENIC AID VANHATALO, A. [United Kingdom]

Berlin/West IS-BN04
RESIDUAL FORCE ENHANCEMENT: AN UNDERRATED NEUROMUSCULAR PROPERTY FOR SPORT & HEALTH
Chairs:
Seiberl, W. [Germany]
Hahn, D. [Germany]

08:30 A LABORATORY STUDY ON THE ATTENTIONAL BIAS AS AN UNDERLYING MECHANISM BETWEEN CORTISOL AND SPORT PERFORMANCE LAUTENBACH, F. [GERMANY]

08:45 [YIA] OP-PM08-1 INTEGRATION OF PHYSIOLOGICAL AND PSYCHOLOGICAL ACTIVITY DURING FENCING COMPETITION: CONSEQUENCES ON DEDIEU, P. ET AL [FRANCE]

09:00 IS-PM08-3 BIO-MECHANICAL ANALYSIS OF TENNIS SERVE IN YOUNG ELITE PLAYERS: EFFECT OF THE “WAITER’S SERVE” ON UPPER LIMB LOADS TOLUZARD, P. ET AL [FRANCE]

09:15 [YIA] OP-PM08-1 RELATIONSHIPS BETWEEN ANTHROPOMETRIC OR FUNCTIONAL CHARACTERISTICS AND MAXIMAL SERVE VELOCITY IN PROFESSIONAL TENNIS PLAYERS BONATO, M. ET AL [ITALY]
08:45  OP-DTB1-4
POST-ACTIVATION POTENTIATION IN TENNIS SERVE
TERRAZA REBOLLO, M. [SPAIN]

09:00  OP-DTB1-5
BIOMECHANICAL PROFILE OF TENNIS MATCH PLAY: EFFECTS OF PLAYING SURFACE
PONZANO, M. ET AL [ITALY]

09:15  OP-DTB1-6
SYSTEMATIC GAME OPENING ANALYSIS AT TOP LEVEL IN MEN’S TENNIS: APPROACHING A NEW COURT-DIVISION METHOD
BORN, P. ET AL [GERMANY]

Mailand/West  OP-BN05
INJURY PREVENTION
Chair(s):
Gehring, D. [Germany]
Hagen, M. [Germany]

08:00  [YIA] OP-BN05-1
REGION-DEPENDENT HAMSTRING MUSCLE ACTIVITY IN COMMON REHABILITATION EXERCISES
HEGYI, A. ET AL [FINLAND]

08:15  OP-BN05-2
BALANCE IN HAMSTRING MUSCLES STIFFNESS AMONG ELITE ATHLETES
AVRILON, S. ET AL [FRANCE]

08:30  OP-BN05-3
THE EFFECT OF STRIDE LENGTH MANIPULATION ON LOADING IN HABITUAL RUNNERS: A CASE STUDY
DOYLE, S. ET AL [UNITED KINGDOM]

08:45  OP-BN05-4
IMPACT FORCES DURING JUMP LANDING: DOES SPORTS FLOORING MATTER?
MAILISOUX, L. ET AL [LUXEMBOURG]

L/South  OP-PM40
TRAINING IN LEISURE SPORT
Chair(s):
Lane, A. [United Kingdom]
Heinonen, I. [Australia]

08:00  OP-PM40-1
CAN SHOE CUSHIONING REDUCE SHOCK AND AFFECT MUSCLE ACTIVATION DURING DIFFERENT LANDINGS?
FU, W. ET AL [CHINA]

Brüssel/West  OP-PM63
METHODS IN EXERCISE PHYSIOLOGY 2
Chair(s):
Wagenmakers, A. [United Kingdom]
Schulz, H. [Germany]

08:00  OP-PM63-1
MITOCHONDRIAL OXYGEN AFFINITY AND ITS ROLE IN DETERMINATION OF MAXIMAL OXYGEN CONSUMPTION
CARDINALE, D.A. ET AL [SWEDEN]

08:15  OP-PM63-2
TEACHING MOTIVES, GOALS, AND STRATEGIES OF EXPERIENCED YOGA TEACHERS.
VERGERE, I. ET AL [AUSTRALIA]

08:30  OP-PM63-3
MEASURE OF THE METABOLIC CAPACITIES IN SWIMMER: COMPARISON OF A STANDARD APPROACH WITH THE ENERGY MUSCLE METABOLISM SIMULATION METHOD.
HELLARD, P. ET AL [FRANCE]

08:45  OP-PM63-4
THE EFFECTS OF 60 DAYS OF SIMULATED MICROGRAVITY AND THE INFLUENCE OF JUMP EXERCISE COUNTERMEASURE ON CARDIORESPIRATORY KINETICS
THEISCHAERER, L. ET AL [GERMANY]

M/South  OP-PM65
EFFECTS OF TRAINING: MIXED SESSION
Chair(s):
Hettinga, F. [United Kingdom]
Tschan, H. [Austria]

08:00  OP-PM65-1
THE EFFECTS OF A NEW DEVELOPED SWIM SNORKEL – AN INTERVENTION STUDY
ZELLER, S. ET AL [GERMANY]

08:15  OP-PM65-2
NEUROPHYSIOLOGICAL CORRELATES OF FLEXIBILITY GAINS THROUGH MOTOR IMAGERY
KANTHACK, T.F.D. ET AL [FRANCE]

08:30  OP-PM65-3
EDUCATION-BASED SPORT-FOR-DEVELOPMENT: EXPERIENCES FROM PAPUA NEW GUINEA
FRAWLEY, S. ET AL [AUSTRALIA]

08:45  OP-PM65-4
THE EFFECTS OF HANDCYCLE UPPER BODY TRAINING ON PHYSICAL CAPACITY AND WHEELCHAIR PROPULSION EFFICIENCY IN ABLE-BODIED MALES
CHAIKHOT, D. ET AL [UNITED KINGDOM]

N/South  OP-SH07
EXPERIENCES IN SPORT
Chair(s):
Hecksteden, A. [Germany]
Gerber, M. [Switzerland]

08:00  OP-SH07-1
AN EXPLORATIVE STUDY OF EXPERIENCE OF RECREATIONAL TEAM SPORT ATHLETES: A QUALITATIVE RESEARCH
IGBOKWE, E. [GERMANY]

08:15  OP-SH07-2
CHILDREN’S PERSPECTIVE OF GAME: A COMPARISON OF STATE SCHOOLS AND COLLEGE SCHOOLS
GUNDUZ, N. ET AL [TURKEY]

08:30  OP-SH07-3
THE INVESTIGATION OF BODILY KINESIOLOGIC INTELLIGENCE LEVELS OF ADOLESCENTS WHO TAKE PART IN SPORT SCHOOLS
OZTÜRK, A. ET AL [TURKEY]

08:45  OP-SH07-4
EDUCATION-BASED SPORT-FOR-DEVELOPMENT: EXPERIENCES FROM PAPUA NEW GUINEA
FRAWLEY, S. ET AL [AUSTRALIA]

09:00  OP-SH07-5
SPORTS CLUBS APPROACH TO MAINSTREAMING OF DISABILITY SPORT: A CRITICAL ANALYSIS
CHRISTIAENS, M. [UNITED KINGDOM]

09:15  OP-SH07-6
DESIGN AND CODIFICATION STRATEGIC PLAN OF IRAN SPORTS FEDERATION FOR THE BLIND
HABIBIRAD, A. ET AL [IRAN]
Oral & Invited Presentations

Thursday, July 6th, 2017

09:45 – 11:15

Europa/West IS-EX02

JSPEM-ECCS EXCHANGE SYMPOSIUM: CHALLENGING PHYSICAL INACTIVITY IN CHILDHOOD AND ADOLESCENCE - WHAT CROSS-BORDER EVIDENCE AND ISSUES DO WE HAVE?

Chair(s):
Nagatomi, R. [Japan]

09:45 IS-EX02-1
COMPARISON OF PHYSICAL ACTIVITY AND FITNESS OF ADOLESCENTS IN MAJOR ASIAN CITIES: THE ASIA-FIT STUDY SUZUKI, K. [JAPAN]

10:15 IS-EX02-2
THE RELATION OF CHILDHOOD FITNESS TO EXECUTIVE FUNCTION AND MEMORY KAMIJO, K. [JAPAN]

10:45 IS-EX02-3
EFFECT OF SCHOOL BASED PHYSICAL ACTIVITY INTERVENTIONS ANDERSEN, L. [NORWAY]

Panorama/West OP-PM12

ECENTRISC EXERCISE

Chair(s):
Theisen, D. [Luxembourg]
Folla, D. [United Kingdom]

10:00 OP-PM12-1
WHAT CAUSES A DECREASE IN RUNNING ECONOMY AFTER DOWNHILL RUNNING? LIMA, L.C.R. ET AL [BRAZIL]

10:15 OP-PM12-2
COMPARISON AMONG NINE DIFFERENT ECCENTRIC EXERCISES FOR DELAYED ONSET MUSCLE SORENESS AND LOSS OF MUSCLE STRENGTH NOSAKA, K. ET AL [AUSTRALIA]

10:30 OP-PM12-3
REPEATING NON-DAMAGING LOW-INTENSITY ECCENTRIC EXERCISE LARGELY ATTENUATES MUSCLE DAMAGE INDUCED BY MAXIMAL ECCENTRIC EXERCISE OF THE ELBOW FLEXORS CHEN, T.C. ET AL [TAIWAN]

10:45 OP-PM12-4
THE ROLE OF ANTI-OXIDANTS IN EXERCISE RECOVERY AND ADAPTATION STEVENSON, E. [UNITED KINGDOM]

10:45 OP-PM12-5
THE EFFECTS OF ISCHEMIC PRECONDITIONING ON MAXIMAL ECCENTRIC EXERCISE-INDUCED MUSCLE DAMAGE FRANZ, A. ET AL [GERMANY]

Berlin/West IS-BN06

NEW INSIGHTS IN BIOMECHANICS OF MUSCLE CONTRACTION

Chair(s):
Siebert, T. [Germany]

10:15 IS-BN06-1
SIMILARITY BETWEEN CAROTID AND CORONARY ARTERY RESPONSES TO SYMPATHETIC STIMULATION AND THE ROLE OF ALPHA-1 RECEPTORS IN HUMANS VAN MIL, A. ET AL [NETHERLANDS]

10:30 IS-BN06-2
LEG BLOOD FLOW AND SKELETAL MUSCLE MICROVASCULAR PERFUSION RESPONSES TO EXERCISE IN PERIPHERAL ARTERIAL DISEASE MENESES, A.L. ET AL [AUSTRALIA]

10:45 IS-BN06-3
HIGH-INTENSITY INTERVAL TRAINING: POTENTIAL ALTERNATIVE TO MODERATE AEROBIC EXERCISE ON HEMODYNAMIC PARAMETERS AT REST AND DURING STRESS TESTING KETELHUT, S. ET AL [GERMANY]

11:00 IS-BN06-4
ALLOMETRIC MODELLING OF PEAK OXYGEN UPTAKE ENHANCES THE PROGNOSTIC VALUE OF CARDIORESPIRATORY FITNESS FOR PREDICTING ALL-CAUSE MORTALITY IN HEART FAILURE PATIENTS LOLLI, L. ET AL [UNITED KINGDOM]

Rheinland/South OP-PM13

CARDIOVASCULAR PHYSIOLOGY

Chair(s):
Birch, K. [United Kingdom]
González-Alonso, J. [United Kingdom]

09:45 OP-PM13-1
NEW INSIGHTS IN MUSCLE MICROSTRUCTURE AND FORCE GENERATION RODE, C. [GERMANY]

10:00 OP-PM13-2
THE HEATH BENEFITS OF TENNIS: A COMPARISON OF THE PHYSIOLOGICAL CHARACTERISTICS OF SENIOR PLAYERS AND NON-PLAYERS JACKSON, M.J. ET AL [UNITED KINGDOM]

10:15 OP-PM13-3
HIGH-INTENSITY INTERVAL TRAINING: POTENTIAL ALTERNATIVE TO MODERATE AEROBIC EXERCISE ON HEMODYNAMIC PARAMETERS AT REST AND DURING STRESS TESTING KETELHUT, S. ET AL [GERMANY]

10:30 OP-PM13-4
THE CONTRIBUTION OF VISUAL AND KINESTHETIC IMAGERY ON LEARNING TENNIS SKILLS FOR NOVICE PLAYERS HEGAZY, K. ET AL [GERMANY]

New York/West OP-DTB2

DTB TENNIS AWARD 2

Chair(s):
Ferrauti, A. [Germany]
Wiewelhove, T. [Germany]

09:45 OP-DTB2-1
NEW TECHNOLOGIES FOR DETERMINING EXTERNAL AND INTERNAL LOADS IN TENNIS HOPPE, M. ET AL [GERMANY]

10:00 OP-DTB2-2
MEASURES OF LOAD AND INJURY IN TENNIS: ARE THERE RELATIONSHIPS? GESCHT, D.T. ET AL [AUSTRAILIA]

10:15 OP-DTB2-3
THE CONTRIBUTION OF VISUAL AND KINESTHETIC IMAGERY ON LEARNING TENNIS SKILLS FOR NOVICE PLAYERS HEGAZY, K. ET AL [GERMANY]

10:30 OP-DTB2-4
OPTIMAL COOLING STRATEGIES FOR TENNIS IN HOT/HUMID CONDITIONS LYNCH, G. ET AL [AUSTRALIA]

10:45 OP-DTB2-5
EXPLAINING TENNIS PERFORMANCE IN TALENTED TENNIS PLAYERS BY PHYSICAL FITNESS KRramer, T. ET AL [NETHERLANDS]

11:00 OP-DTB2-6
THE CONTRIBUTION OF VISUAL AND KINESTHETIC IMAGERY ON LEARNING TENNIS SKILLS FOR NOVICE PLAYERS HEGAZY, K. ET AL [GERMANY]
Thursday, July 6th, 2017

Brüssel/West  OP-PM64

TRAINING IN THE ELDERLY
Chair(s): Donath, L. [Switzerland], Thiel, C. [Germany]
09:45  OP-PM64-1
MUSCLE WASTING IS THE PRIMARY CAUSE OF WEAKNESS IN ‘HEALTHY’ AGING, WITH MODEST-TO-NEGIGIBLE CONTRIBUTIONS OF REDUCED MUSCLE QUALITY, NEURAL ACTIVATION AND ARCHITECTURAL REMODELLING. MCPHEE, J.S., JONES, D.A., DEGENS, H. [United Kingdom]
10:00  OP-PM64-2
A HEALTHY DIET RICH IN N-3 PUFAS ENHANCES THE EFFECTS OF RESISTANCE TRAINING IN ELDERLY WOMEN. EDHOLM, P. ET AL. [Sweden]
10:15  OP-PM64-3
EFFECTS OF SUPERVISION OF BALANCE AND STRENGTH TRAINING INTERVENTIONS ON BALANCE AND MUSCLE STRENGTH IN OLD ADULTS. A META-ANALYSIS. LACROIX, A. ET AL. [Germany]
10:30  OP-PM64-4
THE TIME COURSE OF MUSCLE MORPHOLOGICAL AND ARCHITECTURAL ADAPTATIONS TO MODERATE-LOAD CONCENTRIC AND ECCENTRIC TRAINING IN YOUNG AND OLDER MEN. FRANCHI, M.V. ET AL. [United Kingdom]
10:45  OP-PM64-5
SELF-RATED PHYSICAL LOADS OF WORK TASKS AMONG CERTIFIED NURSING ASSISTANTS. LINDBERG, A. [Sweden]
11:00  OP-PM64-6
INFLUENCE OF FEAR OF FALLING AND PHYSICAL LIMITATIONS ON GAIT PERFORMANCE. WOLOSEN, B. ET AL. [Germany]

Mailand/West  OP-PM19

DEVELOPING YOUNG ATHLETES
Chair(s): Granacher, U. [Germany], Hohmann, A. [Germany]
09:45  OP-PM19-1
A SYSTEMATIC REVIEW OF THE TRAINING SPECIFICITY OF YOUTH STRENGTH AND POWER TRAINING ADAPTATIONS. QUIGLEY, P. ET AL. [Canada]
10:00  OP-PM19-2
THE EFFECTS OF CONCURRENT STRENGTH AND ENDURANCE TRAINING ON MAXIMAL STRENGTH, MUSCLE ENDURANCE, AND ATHLETIC PERFORMANCE IN THE GENERAL YOUTH POPULATION AND IN YOUTH ATHLETES. GÄBLER, M. ET AL. [Germany]
10:15  OP-PM19-3
INTER AND INTRA-SEASONAL VARIATIONS IN ENDURANCE AND MUSCULAR PERFORMANCE IN ELITE YOUTH SOCCER PLAYERS. CONNOLLY, D. ET AL. [Italy]
10:30  OP-PM19-4
THE EFFECT OF AGE AND MATURITY STATUS ON MOTOR COORDINATION, SPEED AND AGILITY IN ELITE YOUTH SOCCER PLAYERS. ROMMERS, N. ET AL. [Belgium]
10:45  OP-PM19-5
YOUTH SOCCER AND THE RELATIVE AGE EFFECT: INFLUENCE OF THE CHANGES IN THE TALENT IDENTIFICATION POLICY IN A PROFESSIONAL CLUB. GIL, S. ET AL. [Spain]
11:00  OP-PM19-6
RELATIVE AGE EFFECTS IN SWISS TALENT DEVELOPMENT – A NATIONAL ANALYSIS OF ALL SPORTS. ROMANN, M. ET AL. [Switzerland]

L/South  OP-PM41

OCCUPATIONAL ASPECTS OF HEALTH AND PHYSICAL ACTIVITY
Chair(s): Biddle, S. [Australia], Reer, R. [Germany]
09:45  OP-PM41-1
EFFECTS OF WORK DEMANDS ON ASSOCIATIONS BETWEEN MEASURES OF PHYSICAL FITNESS AND PSYCHO-COGNITIVE PERFORMANCE. PRIESKE, O. ET AL. [Germany]
10:00  OP-PM41-2
COMPARISON OF ENERGY EXPENDITURE AND MUSCULAR ACTIVITY WHILE SITTING ON A STABILITY BALL VERSUS OFFICE CHAIRS. KUMAHARA, H. ET AL. [Japan]
10:15  OP-PM41-3
REQUIREMENTS FOR EXERCISES IN PRIMARY PREVENTION FOR STATIONARY NURSING AND GERIATRIC NURSING. OTTO, A. ET AL. [Germany]
10:30  OP-PM41-4
SELF-RATED PHYSICAL LOADS OF WORK TASKS AMONG CERTIFIED NURSING ASSISTANTS. LINDBERG, A. [Sweden]
10:45  OP-PM41-5
IMPLEMENTATION OF A SIX MONTHS WORK SITE SUPERVISED ADAPTED PHYSICAL ACTIVITY PROGRAM AMONG VINEYARD WORKERS. BALAGUIER, R. ET AL. [France]
11:00  OP-PM41-6
SEARCHING FOR THE APPLIED PERFORMANCE ANALYST. MARTIN, D. ET AL. [Ireland]

M/South  IS-SH01

Leveraging Sport Events for Sport Participation and Development
Chair(s): Klein, M. [Germany]
09:45  IS-SH01-1
LEVERAGING SPORT PARTICIPATION FROM MEGA-SPORT EVENTS: TRANSLATING POSSIBILITIES INTO POLICIES. WEED, M. [United Kingdom]
10:15  IS-SH01-2
SPORT EVENTS AND SPORT PARTICIPATION: QUEST FOR A RESEARCH AGENDA. TARKS, M. [Canada]
10:45  IS-SH01-3
THE INSPIRATIONAL EFFECT OF ATTENDING SPORT EVENTS ON SPORT PARTICIPATION IN A METROPOLITAN SETTING: EVIDENCE FROM FIFA WOMEN’S WORLD CUP 2011 IN THE RHINE-RUHR AREA. KURSCHEIDT, M. [Germany]

N/South  OP-SH08

Performance Analysis
Chair(s): Bassetti, C. [Italy], Jahnert, T. [Germany]
09:45  OP-SH08-1
SEARCHING FOR THE APPLIED PERFORMANCE ANALYST. MARTIN, D. ET AL. [Ireland]
10:00  OP-SH08-2
ANTICIPATING THE INTENTIONS OF OTHERS IN SOCCER: THE IMPACT OF PROBABILISTIC INFORMATION. GREDYN, V. [United Kingdom]
10:15  OP-SH08-3
ANALYTIC METHOD FOR EVALUATING PLAYERS’ DECISIONS IN TEAM SPORTS. HAMAS, L. ET AL. [Brazil]
10:30  OP-SH08-4
HOW DO INDIVIDUAL TEAM MEMBERS REGULATE THEIR BEHAVIOR TO ACHIEVE SPATIOTEMPORAL COLLECTIVE BEHAVIOR? FEIGEAN, M. ET AL. [Switzerland]
11:00  OP-SH08-5
OCCUPATIONAL COGNITIVE LOAD PREDICTS MAINTENANCE OF ENDURANCE PERFORMANCE WITH MENTAL FATIGUE. MARTIN, K. ET AL. [Australia]

Thursday, July 6th, 2017

16:15 - 17:45

Europa/West  IS-PM10

Strategies for Optimizing Elite Endurance Exercise Performance
Chair(s): Jeukendrup, A. [United Kingdom]
16:15  IS-PM10-1
NUTRITIONAL STRATEGIES FOR OPTIMIZING ELITE ENDURANCE EXERCISE PERFORMANCE. JEUKENDRUP, A.E. [United Kingdom]
16:45  IS-PM10-2
HIGH INTENSITY INTERVAL TRAINING AND PERIODIZATION. RÖNNINGSTAD, B.R. [Norway]
**Oral & Invited Presentations**

**17:15** IS-PM10-3
**ALTITUDE AND HEAT TRAINING STRATEGIES**
CARSTEN LUNDBY [SWITZERLAND]

**Deutschland/South IS-PM05**

**HOT TOPICS IN ALTITUDE MEDICINE AND ALTITUDE TRAINING**
Chair(s):
Schmidt, W. [Germany]

16:15 IS-PM05-1
**THE BRAIN IN ACUTE MOUNTAIN SICKNESS AND HIGH ALTITUDE PULMONARY EDEMA**
BARTSCH, P. [SWITZERLAND]

16:45 IS-PM05-2
**HBMAS5 AND ALTITUDE – AN UPDATE FOCUSING ON PERFORMANCE, TRAINING AND HEALTH**
SCHMIDT, W. [GERMANY]

**Berlin/West OP-PM15**

**ENERGY METABOLISM AND HORMONES**
Chair(s):
Bogdanis, G. [Greece]
Steinacker, J. [Germany]

16:15 [YIA] OP-PM15-1
**THE EFFECT OF EXERCISE ON APPETITE AND APPETITE-REGULATORY HORMONES IN SUBJECTS WITH THE FTO RS9939609 POLYMORPHISM**
DORLING, J.L. ET AL [UNITED KINGDOM]

16:30 [YIA] OP-PM15-2
**ACUTE HORMONAL RESPONSE TO 3 DIFFERENT TYPES OF CONCURRENT TRAINING**
CHUNG, L.H. ET AL [SINGAPORE]

16:45 [YIA] OP-PM15-3
**ADIPOCYTE AND ADRENAL HORMONAL LEVELS CHANGE DURING 8 DAYS OF EXHAUSTIVE CYCLING BUT ARE UNRELATED TO PERFORMANCE DECREMENT**
REALE, R. ET AL [AUSTRALIA]

17:00 [YIA] OP-PM15-4
**THE EFFECT OF DIFFERENT TRAINING INTENSITIES ON PLASMA ESTIMATED VOLUME VARIATION AND ENDURANCE PERFORMANCE**
RIBI, F. ET AL [FRANCE]

17:15 OP-PM15-5
**EFFECT OF DIFFERENT TRAINING INTENSITIES ON PLASMA ESTIMATED VOLUME VARIATION AND ENDURANCE PERFORMANCE**
RIBI, F. ET AL [FRANCE]

17:30 OP-PM15-6
**INSIGHTS INTO MUSCLE EXCITABILITY DURING MAXIMAL VOLUNTARY CONTRACTIONS BY A SEPARATE ANALYSIS OF THE FIRST AND SECOND M-WAVE PHASES**
RODRIGUEZ-FALCES, J. ET AL [SPAIN]

**Panorama/West OP-PM14**

**BODY COMPOSITION**
Chair(s):
Poali, A. [Italy]
Gil, S. [Spain]

16:15 [YIA] OP-PM14-1
**WATER LOADING IN COMBAT SPORT ATHLETES AS A MEANS TO ACUTE MANIPULATE BODY MASS**
REALE, R. ET AL [AUSTRALIA]

16:30 [YIA] OP-PM14-2
**A STEP TOWARDS REMOVING PLASMA VOLUME VARIANCE FROM THE ATHLETE’S BIOLOGICAL PASSPORT: THE USE OF BIOLOGICAL MARKERS TO DESCRIBE VASCULAR VOLUMES FROM A SIMPLE BLOOD TEST**
LÖBIS, L. ET AL [AUSTRALIA]

16:45 OP-PM14-3
**COMPARISON OF TWO MULTIFREQUENCY BIOMEDICICAL DEVICES IN ASSESSING BODY COMPOSITION, HYDRATION STATUS AND BASAL METABOLIC RATE**
SÁNCHEZ-DELGADO, A. ET AL [SPAIN]

17:00 OP-PM14-4
**EXERCISE TRAINING COMBINED WITH INTERMITTENT FASTING AND ALKALINE SUPPLEMENTATION AS EFFECTIVE STRATEGY TO REDUCE BODY WEIGHT AND IMPROVE RUNNING PERFORMANCE**
HOTENKROTT, L. ET AL [GERMAN]

**New York/West OP-BN06**

**FATIGUE**
Chair(s):
Baudry, S. [Belgium]
Hahn, D. [Germany]

16:15 [YIA] OP-BN06-1
**CAN NON-INVASIVELY DETERMINED MUSCLE TYPOLGY PREDICT FATIGUE AND RECOVERY PROFILE?**
LIEVENS, E. ET AL [BELGIUM]

16:30 [YIA] OP-BN06-2
**MAINTAINED FIRING OF GROUP III/IV MUSCLE AFFERENTS INHIBITS THE RECOVERY OF QUADRICEPS MOTOERONE EXCITABILITY AFTER A SUSTAINED CONTRACTION**
FINN, H. ET AL [AUSTRALIA]

16:45 [YIA] OP-BN06-3
**PERIPHERAL FATIGUE RECOVERS FASTER IN SHERPA THAN LOWLANDERS AT HIGH-ALTITUDE**
RUGGIERO, L. ET AL [CANADA]

17:00 OP-BN06-4
**EFFECTS OF TRAINING ON NEUROMUSCULAR FATIGUE IN CYCLING**
MIRA, J. ET AL [CANADA]

17:15 OP-BN06-5
**NON-LOCAL MUSCLE FATIGUE IS MEDIATED AT SPINAL AND SUPRASPINAL LEVELS**
AMIRI, E. ET AL [IRAN]

17:30 OP-BN06-6
**INSIGHTS INTO MUSCLE EXCITABILITY DURING MAXIMAL VOLUNTARY CONTRACTIONS BY A SEPARATE ANALYSIS OF THE FIRST AND SECOND M-WAVE PHASES**
RODRIGUEZ-FALCES, J. ET AL [SPAIN]
Thursday, July 6\textsuperscript{th}, 2017

Brüssel/West \textit{IS-BN09}

**MODALITIES OF INTERPERSONAL COORDINATION**

Chair(s):
- Effenberg, A. [Germany]
- Vesper, C. [Hungary]

16:15 \textit{IS-BN09-1}

**AVAILABILITY OF SHARED VISUAL INFORMATION IN SOCIAL INTERACTION**

Klein, M. [Germany]

16:45 \textit{IS-BN09-2}

**AUDITORY INFORMATION MODULATES INTERPERSONAL COORDINATION**

Calogiu, G. [Norway]

17:15 \textit{IS-BN09-3}

**INDIVIDUAL DIFFERENCES IN TEMPORAL ANTICIPATION AND ADAPTATION DURING REAL-TIME INTERPERSONAL COORDINATION IN JOINT DRUMMING**

Keller, P. [Australia]

M/South \textit{OP-SH09}

**SPORT EVENTS AND SOCIETY**

Chair(s):
- Yoshinori, O. [Japan]
- Klein, M. [Germany]

16:15 \textit{OP-SH09-1}

**SPORT FOR ALL? EXPLORING THE PUBLIC HEALTH REACH OF THE BIRKEBEINER RACES, NORWAY’S ULTIMATE MASS-PARTICIPATION SPORTING EVENTS**

Calogiu, G. [Norway]

16:45 \textit{OP-SH09-2}

**A QUALITATIVE RESEARCH ON THE MOTIVATION AND CONSTRAINT FACTORS OF CHINESE RECREATIONAL MARATHON PARTICIPANTS**

Chen, X. et al. [China]

17:15 \textit{OP-SH09-3}

**INDIVIDUAL DIFFERENCES IN TEMPORAL ANTICIPATION AND ADAPTATION DURING REAL-TIME INTERPERSONAL COORDINATION IN JOINT DRUMMING**

Keller, P. [Australia]

L/South \textit{IS-SH02}

**STRESS REGULATION AND PHYSICAL ACTIVITY**

Chair(s):
- Klaperski, S. [United Kingdom]

16:15 \textit{IS-SH02-1}

**CARDIORESPIRATORY FITNESS MODERATES THE RELATIONSHIP BETWEEN PERCEIVED STRESS AND CARDIOVASCULAR RISK FACTORS**

Gerber, M. et al. [Switzerland]

16:45 \textit{IS-SH02-2}

**DOES PHYSICAL ACTIVITY MODERATE THE STRESS-BURNOUT RELATIONSHIP?**

Isard, G. et al. [France]

17:15 \textit{IS-SH02-3}

**DIRECT AND BUFFERING EFFECTS OF PHYSICAL EXERCISE ON HEALTH: A RCT TO TEST AND EXAMINE THE STRESS BUFFER EFFECT**

Klaperski, S. et al. [United Kingdom]

Europa/West \textit{IS-SP02}

**SPORTS ENGINEERING METHODS FOR SPORTS SCIENCE: WEARABLE SENSORS AND MACHINE LEARNING - SPONSORED BY ADIDAS**

Chair(s):
- Eskofier, B. [Germany]
- Jaitner, T. [Germany]

16:00 \textit{IS-SP02-1}

**IN-FIELD USE OF WEARABLE MAGNETO-INERTIAL SENSORS FOR MOTOR CAPACITY, SPORT PERFORMANCE, OR RISK OF INJURY EVALUATION: STATE OF THE ART AND PERSPECTIVES**

Camomilla, V. [Italy]

18:30 \textit{IS-SP02-2}

**WEARABLE COMPUTING SYSTEMS AND MACHINE LEARNING FOR SPORTS SCIENCE RESEARCH**

Björn, E. [Germany]

19:00 \textit{IS-SP02-3}

**WHEN MODELING BECOMES THE KEY TO UNDERSTANDING: THE POWER OF MODELING APPROACHES IN SPORTS SCIENCE AND ENGINEERING**

Senn, V. et al. [Germany]

Deutschland/South \textit{IS-PM01}

**THE ROLE OF THE SYSTEMIC AND LOCAL ENVIRONMENT IN SKELETAL MUSCLE HOMEOSTASIS WITH AGEING AND EXERCISE**

Chair(s):
- Mackey, A. [Denmark]

18:00 \textit{IS-PM01-1}

**THE SYSTEMIC ENVIRONMENT AND AGING: INFLUENCE OF LIFESTYLE FACTORS AND BIOLOGICAL EFFECTS**

Kadi, F. [Sweden]

18:30 \textit{IS-PM01-2}

**CIRCULATING MICRORNAS: INTERPLAY BETWEEN HORMONAL AND INFLAMMATORY SYSTEMS, BODY COMPOSITION AND MUSCLE PERFORMANCE**

Kovanen, V. [Finland]

19:00 \textit{IS-PM01-3}

**CHANGING THE LOCAL AND SYSTEMIC ENVIRONMENT TO IMPROVE THE ADAPTATION OF HUMAN SKELETAL MUSCLE**

Mackey, A. [Denmark]

Panorama/West \textit{OP-PM21}

**TALENT IDENTIFICATION AND DEVELOPMENT**

Chair(s):
- Lamberts, R. [South Africa]
- Pfeiffer, M. [Germany]

18:00 \textit{OP-PM21-1}

**VALIDITY OF EARLY TALENT SCREENING AND TALENT ORIENTATION**

Hohmann, A. et al. [Germany]

18:30 \textit{OP-PM21-2}

**THE ROLE OF THE SYSTEMIC AND LOCAL ENVIRONMENT IN SKELETAL MUSCLE HOMEOSTASIS WITH AGEING AND EXERCISE**

Chair(s):
- Mackey, A. [Denmark]

18:45 \textit{OP-PM21-3}

**EXPLORING DIFFERENCES AND SIMILARITIES FOR TALENT TRANSFER IN BASKETBALL, SOCCER AND VOLLEYBALL**

Pion, J. et al. [Netherlands]

19:00 \textit{OP-PM21-4}

**PROFILING AND DEVELOPMENT IN SWIMMING**

Efferink-Gemser, M. et al. [Netherlands]

Berlin/West \textit{IS-BN03}

**MUSCLE-TENDON UNIT PROPERTIES AND RUNNING ECONOMY**

Chair(s):
- Arampatzis, A. [Germany]

18:00 \textit{IS-BN03-1}

**TENDOMUSCULAR FACTORS AFFECTING THE METABOLIC COST OF RUNNING**

Arampatzis, A. [Germany]

18:30 \textit{IS-BN03-2}

**SKELETAL MUSCLE ENERGETICS AND TENDON STIFFNESS: IMPLICATIONS FOR ENERGY COST OF RUNNING**

MacIntosh, B.R. [Canada]

19:00 \textit{IS-BN03-3}

**MUSCULOSKELETAL CHARACTERISTICS AND FUNCTION DURING RUNNING FOR TOP LEVEL Endurance Runners**

Shikawa, M. et al. [Japan]
New York/West  OP-PM22  STRENGTH TRAINING  
Chair(s): 
Granacher, U. [Germany] 
Folland, J. [United Kingdom]  
18:00  OP-PM22-1  ISOKINETIC ECCENTRIC HAMSTRING TRAINING AFFECTS SPRINT KINETICS  
KNICKER, A. ET AL [GERMANY]  
18:15  OP-PM22-2  EFFECTS OF A 4-WEEK ROPE-TRAINING ON MOBILITY, STRENGTH AND COORDINATION COMPARED TO A MACHINE BASED STRENGTH TRAINING  
WRIGHT, P. ET AL [UNITED KINGDOM]  
18:30  OP-PM22-3  HIGHER LIFTING SUCCESSFUL RATE WHEN USING INTRA-SET REST DURING BENCH PRESS EXERCISE  
WONG, D.P. ET AL [CHINA]  
18:45  OP-PM22-4  INTERMITTENT HYPOXIC RESISTANCE TRAINING AFFECTS THE FORCE VELOCITY PROFILE  
PAIZIS, C. ET AL [FRANCE]  
19:00  OP-PM22-5  EFFECTS OF CONCENTRIC VERSUS ISOMETRIC NECK STRENGTH TRAINING IN RUGBY PLAYERS  
PAIZIS, C. ET AL [FRANCE]  
19:15  OP-PM22-6  METABOLIC EQUIVALENTS AND ENERGY EXPENDITURE IN 3 DIFFERENT TYPES OF “CONCURRENT” TRAINING PROTOCOLS  
ACALARZ, P.E. ET AL [SPAIN]  

Mailand/West  OP-BN08  SPORT TECHNOLOGY  
Chair(s): 
Linnamo, V. [Finland] 
Camomilla, V. [Italy]  
18:00  OP-BN08-1  ERROR CORRECTION PROCESSING IN TIMING LIGHTS: DOES IT WORK?  
ALTMANN, S. ET AL [GERMANY]  
18:15  OP-BN08-2  DETERMINING JUMPING HEIGHT OF THE VOLLEYBALL SPIKE JUMP BY WU SCHMIDT, M. [GERMANY]  
18:30  OP-BN08-3  A STUDY ON THE AUTOMATIC RECOGNITION OF ELECTRONIC RUNNING ROUTES: TAKING RUNNING TRACKS AS AN EXAMPLE  
WANG, K. [TAIWAN]  
18:45  OP-BN08-4  THE ANALYSIS OF SKI FRICTION USING KINEMATIC GNSS  
MIYAMOTO, N. ET AL [JAPAN]  
19:00  OP-BN08-5  THE PERFECT TRIATHLON SUIT: CONSIDERATION OF FACTORS INFLUENCING FUNCTIONAL ATTRIBUTES AND PERFORMANCE OF ATHLETES  
WATSON, C. ET AL [AUSTRALIA]  

Brüssel/West  OP-PM23  ACUTE EFFECTS OF HIT  
Chair(s): 
Bogdanis, G. [Greece] 
Wiewelhove, T. [Germany]  
18:00  OP-PM23-1  DIFFERENT MODES OF EXERCISE LESSONS TO HIGH INTENSITY INTERVAL TRAINING  
SOUSA, A. ET AL [PORTUGAL]  
18:15  OP-PM23-2  HIGH-INTENSITY INTERMITTENT TRAINING VERSUS MODERATE-INTENSITY INTERMITTENT TRAINING: DIFFERENCES IN THE ACUTE RESPONSE OF HEART RATE VARIABILITY IN FEMALES  
JIMÉNEZ-PAVÓN, D. ET AL [SPAIN]  
18:30  OP-PM23-3  ENERGETIC CONTRIBUTION TO SMALL-SIDED SOCCER GAMES WITH DIFFERENT GAME DURATION AND NUMBER OF PLAYERS  
GH, S. ET AL [GERMANY]  
18:45  OP-PM23-4  PHYSIOLOGICAL, PERCEPTUAL AND PERFORMANCE RESPONSES ASSOCIATED WITH SELF-SELECTED VERSUS STANDARDIZED RECOVERY PERIODS DURING A REPEATED SPRING PROTOCOL IN ELITE YOUTH FOOTBALL PLAYERS  
GIBSON, N. ET AL [UNITED KINGDOM]  
19:00  OP-PM23-5  EFFECT OF HIGH-INTENSITY INTERVAL TRAINING ON GLUCOREGULATORY HORMONES: EFFECT OF RECOVERY MODE  
ABDERRAHMAN, A. ET AL [FRANCE]  
19:15  OP-PM23-6  THE “GRAVITY-FACTOR” FOR EXERCISE IN SPACE IS HIGH-INTENSITY TRAINING IN SPACE COMPARABLE TO THAT ON EARTH?  
PETERSEN, N. ET AL [GERMANY]  

L/South  IS-SH03  GETTING THE MOVES: BODILY LEARNING IN THREE MOVEMENT CULTURES  
Chair(s): 
Schindler, L. [Austria]  
18:00  IS-SH03-1  INCARNATING A KINESTHETIC CULTURE: ON THE EMBODIMENT OF CONTEMPORARY DANCE  
BASSETTI, C. [ITALY]  
18:30  IS-SH03-2  VIS-ABILITY: HOW TO LEARN MARTIAL-ARTS  
HES, K. ET AL [GERMANY]  
19:00  IS-SH03-3  BECOMING A BALLET BODY: RECONFIGURING DISTRIBUTED CORPOREALITIES  
MÜLLER, S. M. [GERMANY]  

M/South  OP-SH10  CURRICULUM DEVELOPMENT  
Chair(s): 
Yoshinori, O. [Japan] 
Grimminger-Seidensticker, E. [Germany]  
18:00  OP-SH10-1  A RANDOMISED CONTROL TRIAL TO ASSESS THE IMPACT OF PHYSICAL EDUCATION TRAINING UPON PHYSICAL LITERACY OUTCOMES  
WILLIAMS, T. ET AL [UNITED KINGDOM]  
18:15  OP-SH10-2  A COMBINED MOVEMENT AND STORYTELLING INTERVENTION ENHANCES MOTOR COMPETENCE AND LANGUAGE IN PRIMARY SCHOOL CHILDREN TO A GREATER EXTENT THAN MOVEMENT OR STORYTELLING ALONE  
DUNCAN, M. ET AL [UNITED KINGDOM]  

08:00 – 09:30  Europa/West  IS-PM02  EXERCISE AND THE BRAIN  
Chair(s): 
Schneider, S. [Germany]  
08:00  IS-PM02-1  EXERCISE, NEUROTRANSMISSION & NEUROGENESIS  
MEUSEN, R. [BELGIUM]  
08:15  IS-PM02-2  THE ROLE OF BODY MASS INDEX AND MOTOR ABILITY  
MOHWARD, A. ET AL [GERMANY]  
08:30  IS-PM02-3  HEALTH EDUCATION – SPORT-RELATED HEALTH COMPETENCE OF PUPILS IN SECONDARY SCHOOLS  
HES, K. ET AL [GERMANY]  
08:45  IS-PM02-4  STUDYING SPORTS SCIENCE: STUDY PROJECTS AS A WAY OF TEACHING AND LEARNING  
FRITSCHEN, M. ET AL [GERMANY]  
18:30  OP-SH10-3  DIFFERENCES IN CHILDREN’S PERCEIVED NEGATIVE EXPERIENCES IN PHYSICAL EDUCATION – THE ROLE OF BODY MASS INDEX AND MOTOR ABILITY  
MOHWARD, A. ET AL [GERMANY]  
19:15  OP-SH10-5  BLENDED-LEARNING: CREATION OF AN INTERACTIVE LEARNING UNIT OF RUNNING  
NAGL, J. ET AL [GERMANY]  
19:00  OP-SH10-6  A COMBINED MOVEMENT AND STORYTELLING INTERVENTION ENHANCES MOTOR COMPETENCE AND LANGUAGE IN PRIMARY SCHOOL CHILDREN TO A GREATER EXTENT THAN MOVEMENT OR STORYTELLING ALONE  
DUNCAN, M. ET AL [UNITED KINGDOM]  

Friday, July 7th, 2017
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<td>08:00</td>
<td>OP-PM02-2</td>
<td>From Space to School - Neuro-enhancement through Exercise</td>
<td>Schneider, S. [Germany]</td>
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<td>08:00</td>
<td>OP-PM02-3</td>
<td>Relationship between cognition, antioxidant defense system and vascular function: rationale for exercise interventions in advanced age</td>
<td>Poldori, M.C. et al. [Germany]</td>
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<td>08:30</td>
<td>OP-PM44</td>
<td>Effects of caffeine, tyrosine and creatine on performance</td>
<td>Schiff, M. [Netherlands]</td>
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<tr>
<td>08:30</td>
<td>OP-PM44-1</td>
<td>The effect of carbohydrate and caffeine ingestion on intermittent sprint cycling in the heat</td>
<td>Ross, C. et al. [United Kingdom]</td>
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<tr>
<td>08:15</td>
<td>OP-PM44-2</td>
<td>The effects of caffeine, taurine or caffeine-taurine co-ingestion on repeat-sprint cycling performance and physiological responses</td>
<td>Waldron, M. et al. [United Kingdom]</td>
</tr>
<tr>
<td>08:30</td>
<td>OP-PM44-3</td>
<td>Low, medium or high dose tyrosine supplementation does not influence prolonged cycling performance in the heat</td>
<td>Tumility, L. et al. [United Kingdom]</td>
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<tr>
<td>08:15</td>
<td>OP-PM44-4</td>
<td>Loading the challenge: tyrosine intake and cardiovascular responses to competition</td>
<td>Hase, A. et al. [United Kingdom]</td>
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<td>09:00</td>
<td>OP-PM44-5</td>
<td>The effect of Q creatine supplementation combined with a short term whole body vibration training on mobility, balance, and strength in old females</td>
<td>Kaviani, M. et al. [Canada]</td>
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<tr>
<td>09:15</td>
<td>OP-PM44-6</td>
<td>The effects of creatine supplementation on explosive performance and optimal individual postactivation potentiation time of upper body in kayaking athletes</td>
<td>Wang, C.C. et al. [Taiwan]</td>
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<tr>
<td>09:00</td>
<td>IS-BN07</td>
<td>Big Data in Sports</td>
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<td>09:00</td>
<td>IS-BN07-1</td>
<td>Big Data in Sports: the developer perspective</td>
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<td>09:30</td>
<td>IS-BN07-2</td>
<td>Big Data in Sports: the analytics perspective</td>
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<td>09:00</td>
<td>IS-BN07-3</td>
<td>Big Data in Sports: the sports perspective</td>
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<td>09:15</td>
<td>IS-BN07-4</td>
<td>Big Data in Sports: the analytics perspective</td>
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<td>09:00</td>
<td>IS-EX01</td>
<td>CSSS-ECSS Exchange Symposium: Exercise Performance and Health Promotion</td>
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<td>09:00</td>
<td>IS-EX01-1</td>
<td>Development and validation of body fat prediction equation in 20-69 adults</td>
<td>Zhao, J. et al. [China]</td>
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<tr>
<td>09:30</td>
<td>IS-EX01-2</td>
<td>Investigation the health behavior of school-aged children in Harbin, northeast China</td>
<td>Wang, M. et al. [China]</td>
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<tr>
<td>09:00</td>
<td>IS-EX01-3</td>
<td>Using exercise and alternate strategies to optimise cardiovascular health cable, N.T. [United Kingdom]</td>
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<td>09:15</td>
<td>OP-PM24</td>
<td>Performance in Jumping and Sprinting</td>
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<td>09:00</td>
<td>OP-PM24-1</td>
<td>Are general physical tests suitable to predict specific team sport performance?</td>
<td>Wagner, H. et al. [Austria]</td>
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<td>09:15</td>
<td>OP-PM24-2</td>
<td>Exploring passing skills of soccer players according to their playing positions</td>
<td>Saal, C. et al. [Germany]</td>
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<td>09:30</td>
<td>OP-PM24-3</td>
<td>Relationship between linear running performance and change of direction</td>
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<td>09:45</td>
<td>OP-PM24-4</td>
<td>No relationship between match minutes played and YIRTI improvements</td>
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<td>09:00</td>
<td>OP-PM24-5</td>
<td>The relationships among two repeated activity tests and aerobic fitness of volleyball players</td>
<td>Meckel, Y. et al. [Israel]</td>
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<td>09:15</td>
<td>OP-PM24-6</td>
<td>Construct validity and test-retest reliability of the force-velocity profile in a golf specific rotation movement</td>
<td>Parker, J. [Sweden]</td>
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<td>09:00</td>
<td>OP-PM25</td>
<td>Performance in Jumping and Sprinting</td>
<td></td>
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<td>09:00</td>
<td>OP-PM25-1</td>
<td>Relationship between one-repetition maximum of plantar flexors with jumping and sprinting performances</td>
<td>Minkel, C. et al. [Germany]</td>
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<td>09:15</td>
<td>OP-PM25-2</td>
<td>Neuromuscular effects to six weeks of loaded countermovement jumping with traditional and daily undulating periodization</td>
<td>Ulrich, B. et al. [Germany]</td>
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<td>09:30</td>
<td>OP-PM25-3</td>
<td>Comparison of vertical jump performance in physical education student with caucasian or west african</td>
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09:45 - 11:15

**Europa/West**

**IS-SP03**

**ACHIEVING TOP PERFORMANCE AND INJURY PREVENTION IN FOOTBALL: FROM SCIENCE TO PRACTICE - SPONSORED BY ASPETAR**

Chair(s):
Nassis, G. [Qatar]
Saunders, J. [Australia]

09:45
**IS-SP03-1**

ABILITY OF PSYCHO-SOCIAL VARIABLES TO EXPLAIN PHYSICAL ACTIVITY PATTERNS OF INDIVIDUALS TRANSITIONING INTO UNIVERSITY.

Le Rossignol, P. [Australia]

10:15
**IS-SP03-2**

PSYCHOLOGICAL PREDICTORS OF INJURIES IN TEAM SPORTS.

Podlog, L. [United States]

10:45
**IS-SP03-3**

AN INTEGRATED SPORTS MEDICINE AND SPORTS SCIENCE APPROACH FOR INJURY AND DISEASE PREVENTION IN FOOTBALL.

Meyer, T. [Germany]

11:00
**IS-SP03-4**

EPHEDRA ALKALOIDS CONTENT IN CHINESE HERBAL FORMULAS SOLD IN TAIWAN.

Chang, C.W. [Taiwan]

11:15
**IS-SP03-5**

BREATH CARBON STABLE ISOTOPE RATIOS AS A POTENTIAL BIOMARKER OF ENERGY INTAKE AND ENERGY BALANCE STATUS.

Horner, K.M. [Ireland]

**Panorama/West**

**IS-PM11**

**RESISTANCE TRAINING IN YOUTH ATHLETES**

Chair(s):
Muehlbauer, T. [Germany]

09:45
**IS-PM11-1**

YOUTH ATHLETE DEVELOPMENT.

Armstrong, N. [United Kingdom]

10:15
**IS-PM11-2**

YOUTH ATHLETIC DEVELOPMENT: MINIMISING RISKS AND MAXIMISING REWARDS.

Oliver, J. [United Kingdom]

10:45
**IS-PM11-3**

EFFECTS OF RESISTANCE TRAINING IN YOUTH ATHLETES ON MUSCULAR FITNESS AND ATHLETIC PERFORMANCE: A CONCEPTUAL MODEL FOR LONG-TERM ATHLETE DEVELOPMENT.

Granacher, U. [Germany]

11:00
**IS-PM11-4**

BRAIN AND NEUROMUSCULAR FUNCTION IN OLD AGE - IMPLICATIONS FOR COGNITIVE AND MOTOR FUNCTION.

Grado, M. [Italy]
PERFORMANCE
Chair(s):
Narici, M. [United Kingdom]
09:45 - IS-BN02-1
BRAIN METRICS AND IMPAIRED MOTOR PERFORMANCE: THE EFFECTS OF AGING ON STRUCTURAL AND FUNCTIONAL INTERHEMISPHERIC INTERACTIONS
LEVIN, O. [BELGIUM]
10:15 - IS-BN02-2
NEUROMUSCULAR PROTECTIVE EFFECTS OF REGULAR PHYSICAL ACTIVITY
NARICI, M.V. ET AL [UNITED KINGDOM]
10:45 - IS-BN02-3
RELATIONSHIP BETWEEN POSTURAL CONTROL AND POSTURE-RELATED ATTENTION CONTROL IN ADVANCED AGE
NETZ, Y. [ISRAEL]

New York/West - OP-PM26
SPORTS TECHNOLOGY: GAME SPORTS
Chair(s):
Ali, A. [New Zealand]
Coutts, A. [Australia]
09:45 - OP-PM26-1
EVALUATION OF LATEST GPS AND LPS FOR DETERMINING MOVEMENT PATTERNS IN SOCCER
HOPPE, M. ET AL [GERMANY]
10:00 - OP-PM26-2
HIGH-ACCURACY UWB & MEMS-BASED INDOOR LOCALIZATION SYSTEM FOR INDOOR SPORTS ACTIVITIES
LIU, Y. ET AL [CHINA]
10:15 - OP-PM26-3
GPS VARIABLES CLASSIFICATION PROPOSAL BASED ON RATIONAL QUALITATIVE FEATURES
GOMEZ, A. ET AL [SPAIN]
10:30 - OP-PM26-4
RUNNING AND METABOLIC DEMANDS OF ELITE RUGBY UNION ASSESSED USING TRADITIONAL, METABOLIC POWER AND HEART RATE MONITORING
DUBOIS, R. ET AL [FRANCE]
10:45 - OP-PM26-5
QUANTITATIVE ASSESSMENT OF OFF-THE-BALL MOVEMENTS BASED ON QUALITATIVE ASSESSMENT IN INVASION GAMES
FUCHITA, K. ET AL [JAPAN]
11:00 - OP-PM26-6
METABOLIC POWER: A SENSITIVE TOOL TO DETECT REPEATED HIGH-INTENSITY EFFORTS IN TEAM SPORT
POLGLAZE, T. ET AL [AUSTRALIA]

Mailand/West - OP-BN12
BALANCE AND POSTURE
Chair(s):
Lauber, B. [Germany]
Kölling, S. [Germany]
09:45 - OP-BN12-1
THE EFFECT OF ISOLATED CORE STABILITY TRAINING ON UPPER EXTREMITY PERFORMANCE IN OVERHEAD ATHLETES
BASANDAC, G. ET AL [TURKEY]
10:00 - OP-BN12-2
SENSORY INTEGRATION OF LIGHT TOUCH CUES IN HUMAN STANDING BALANCE
ASSLÄNDER, L. ET AL [GERMANY]
10:15 - OP-BN12-3
RELATIONS BETWEEN BALANCE ABILITY AND POSTURAL SWAY IN VISUAL DEPRIVED MONOPEDAL STANCE
FISCHER, H. ET AL [GERMANY]
10:30 - OP-BN12-4
A MATERNITY SUPPORT BELT AFFECTS POSTURE BUT NOT STATIC STABILITY IN PREGNANT WOMEN
BEY, M.E. ET AL [GERMANY]
10:45 - OP-BN12-5
DYNAMIC POSTURAL STABILITY ASSESSMENT: DO DIFFERENT TESTS MEASURE THE SAME?
RINGHOF, S. ET AL [GERMANY]
11:00 - OP-BN12-6
INVESTIGATION OF THE USE OF THE ARMS IN RECOVERING FROM POSTURAL PERTURBATIONS
AK, E. ET AL [TURKEY]

Rheinland/South - OP-PM27
INTERVENTIONS TO OPTIMIZE RECOVERY
Chair(s):
Donath, L. [Switzerland]
Kölling, S. [Germany]
09:45 - OP-PM27-1
REGULAR ACTIVE RECOVERY DURING A HIGH-INTENSITY INTERVAL-TRAINING MESOCYCLE DOES NOT ATTENUATE TRAINING ADAPTATION
VIWEHLHOVE, T. ET AL [GERMANY]
10:00 - OP-PM27-2
DOES REGULAR COLD WATER IMMERSION AFTER STRENGTH TRAINING ATTENUATE TRAINING ADAPTATION? A RANDOMIZED CONTROLLED TRIAL
POPPENDIECK, W. ET AL [GERMANY]

Brüssel/West - OP-PM58
TRAINING AND EXERCISE IN CLINICAL POPULATIONS 1
Chair(s):
Wagenmakers, A. [United Kingdom]
Mougios, V. [Greece]
09:45 - OP-PM58-1
MELATONIN DECREASES DIABETES MUSCULAR INFLAMMATION INDUCED BY STRENUOUS EXERCISE
HATANAKA, E. [BRAZIL]
10:00 - OP-PM58-2
IMPROVEMENTS IN FITNESS ARE NOT OBLIGATORY FOR EXERCISE TRAINING-INDUCED IMPROVEMENTS IN CV RISK FACTORS
HARTMAN, Y. ET AL [NETHERLANDS]
10:15 - OP-PM58-3
THE USE OF THE CR-10 SCALE TO ALLOW SELF-REGULATION OF ISOMETRIC EXERCISE INTENSITY IN PRE-HYPERTENSIVE AND HY-PERTENSIVE PARTICIPANTS
MORRIN, N. ET AL [UNITED KINGDOM]
10:30 - OP-PM58-4
EVALUATION OF MUSCLE OXIDATIVE METABOLISM DURING EXERCISE IN PATIENTS WITH AMYOTROPHIC LATERAL SCLEROSIS
FERRI, A. ET AL [AUSTRALIA]
10:45 - OP-PM58-5
ACUTE BIOMARKER RESPONSES TO EXERCISE IN PEOPLE WITH AND WITHOUT ABDOMINAL AORTIC ANEURYSM
WINDSOR, M. ET AL [AUSTRALIA]

L/South - IS-SH05
DOPING PREVENTION – THE ROLE OF COACHES
Chair(s):
Patterson, L. [United Kingdom]
09:45 - IS-SH05-1
INVESTIGATING UK-BASED COACHES’ ROLES IN THE QUEST FOR CLEAN SPORT
PATTERSON, L. [UNITED KINGDOM]
10:15 - IS-SH05-2
DOPING IN SPORT: AUSTRIAN COACHES’ KNOWLEDGE, ATTITUDES, AND PREVENTIVE BEHAVIOUR
BLANK, C. ET AL [AUSTRIA]
10:45 - IS-SH05-3
THE NATURE OF COACHES’ EFFICACY IN CONFRONTING DOPING ATHLETES
SULLIVAN, P. [CANADA]

M/South - OP-SH12
FACTORS INFLUENCING PHYSICAL ACTIVITY
Chair(s):
Sassatelli, R. [Italy]
09:45 - OP-SH12-1
ACTIVE YOUTH - PHYSICAL ACTIVITY AND MOBILITY OF ADOLESCENTS IN PUBLIC
**Oral & Invited Presentations**

**Spaces in Vienna**

**Dikemueller, R. et al** [Austria]  
10:00 OP-SH12-2  
**Study on the Intergenerational Relationship of Family Physical Exercise in China**  
Fubaihui, W. [China]

10:15 OP-SH12-3  
**Effectiveness and Cost-effectiveness of a Very Brief Pedometer-based Intervention: The VBi Randomised Control Trial**  
Theil, F. et al [United Kingdom]

10:30 OP-SH12-4  
**A Person-Centered Analysis of Motivation for Physical Activity and Perceived Neighborhood Environment in Residents of Assisted Living Facilities**  
Thogersen-Ntoumani, C. et al [Australia]

Friday, July 7th, 2017

**16:15 - 17:45**

**Europa/West OP-PM49**  
**Molecular Biology 1**

**Chair(s):**  
Baar, K. [United States]  
Morales-Álamo, D. [Spain]

16:15 OP-PM49-1  
**EMG Band Resistance Training Induces Extracellular Matrix Genes in Skeletal Muscle of Older Females as Evaluated by RNA Sequencing**  
Wessner, B. et al [Australia]

16:30 OP-PM49-2  
**The Effect of Life-long Sport on MicroRNA Expression Pattern in Human Skeletal Muscle**  
Bori, Z. et al [Hungary]

16:45 OP-PM49-3  
**What Changes in MicroRNA Content Might Give Limited Insights into Adaptations to Exercise**  
Bishop, D. et al [Australia]

17:00 OP-PM49-4  
**The Basal Expression of Genes and Proteins Involved in Adaptation to Aerobic Training in Human Skeletal Muscle**  
Popov, D.V. et al [Russia]

17:15 OP-PM49-5  
**Sex-based Differences in Skeletal Muscle Fiber Composition and the Role of Genetic Polymorphisms**  
Kumagai, H. et al [Japan]

17:30 OP-PM49-6  
**The Immune System Does Its Job Better with Exercise**  
Nieman, D. [United States]

**Panorama/West OP-PM49**

**Molecular Biology 1**

**Chair(s):**  
Baar, K. [United States]  
Morales-Álamo, D. [Spain]

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<td>16:15-17:45</td>
<td>OP-BN13-1</td>
<td>THE STIMULATED CEREBELLUM: APPLICATION OF TRANSCRANIAL DIRECT CURRENT STIMULATION (TDCS) ON THE CEREBELLUM IMPROVES MOTOR ADAPTATION</td>
<td>Levin, O. [Belgium]</td>
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<td>OP-BN13-2</td>
<td>GRAY MATTER VOLUME AND WHITE MATTER INTEGRITY ARE CORRELATED WITH SUBSEQUENT COMPLEX MOTOR SKILL ACQUISITION</td>
<td>Roelands, B. [Belgium]</td>
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<td>OP-BN13-3</td>
<td>A CAFFEINE-MALTODEXTRIN MOUTH RINSE COUNTERS MENTAL FATIGUE</td>
<td>Van Cutsem, J. [Belgium]</td>
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<td>OP-BN13-4</td>
<td>PREPARATORY CORTICAL AND SPINAL SETTINGS TO COUNTERACT ANTICIPATED AND NON-ANTICIPATED PERTURBATIONS</td>
<td>Wälchli, M. [Switzerland]</td>
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<td>OP-BN13-5</td>
<td>SKILL-RELATED CENTRAL MOTOR BEHAVIOR PRECEDING LATERALIZED PRACTICE PATTERNS IN SHORT BADMINTON BACKHAND SERVICES</td>
<td>Skrziba, C. [Belgium]</td>
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<td>OP-BN13-6</td>
<td>SPORT-SPECIFIC MOVEMENT-PRECEDING CORTICAL MOTOR LEARNING PROCESSES DURING ARCHERY – APPROACHING SKILL ACQUISITION</td>
<td>Vogt, T. [Belgium]</td>
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<td>OP-BN13</td>
<td>EXERCISE AND THE BRAIN</td>
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<td>OP-PB29</td>
<td>MONITORING TEAM SPORT ATHLETES</td>
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<td>OP-PM29</td>
<td>TRAINING AND EXERCISE IN CLINICAL POPULATIONS</td>
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<td>HOW TO INTEGRATE PEDAGOGY OF HEALTH AND PHYSICAL EDUCATION FOR SCHOOL SUBJECT?</td>
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<td>IS-SH06</td>
<td>GOLD IN EDUCATION AND ELITE SPORT &lt;GEES&gt;: WHICH COMPETENCES DO STUDENT-ATHLETES REQUIRE IN COPING WITH CHALLENGING DUAL CAREER SCENARIOS?</td>
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<td>OP-PM70</td>
<td>RESPIRATION AND OXYGEN UPTAKE</td>
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<td>OP-SH13</td>
<td>ATHLETIC CAREER</td>
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**ECSS MetropolisRuhr 2017 - Germany, 5-8 July**
Friday, July 7th, 2017

18:00 – 19:30

**Europa/West** IS-PM07

**THE INDIVIDUAL HUMAN PHENOTYPE - EFFECTS OF GENETICS, EPGENETICS, EXERCISE AND NUTRITION**

**Chair(s):**
- Bloch, W. [Germany]
- Wolfarth, B. [Germany]

**18:30** IS-PM07-1

**GENETIC ASPECTS**
- Wolfarth, B. [Germany]

**18:30** IS-PM07-2

**INDIVIDUAL RESPONSES TO RESISTANCE TYPE EXERCISE TRAINING**
- Van Loon, L. [Netherlands]

**19:00** IS-PM07-3

**EPIGENETIC ASPECTS**
- Bloch, W. [Germany]

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**Panorama/West** OP-PM51

**NUTRITIONAL STATUS AND ANALYSIS**

**Chair(s):**
- Breen, L. [United Kingdom]
- Oertzen-Hagemann, V. [Germany]

**18:00** OP-PM51-1

**DIETARY SUPPLEMENT USE, IMPACT ON MICRONUTRIENT INTAKE OF YOUNG ELITE GERMAN ATHLETES**
- Braun H. et al. [Germany]

**18:30** OP-PM51-2

**MICRONUTRIENT INTAKE IN ELITE CROSS-COUNTRY SKIERS DURING A SIMULATED SPRINT RACE**
- Carr, A. et al. [Australia]

**19:00** OP-PM51-3

**MICRONUTRIENT STATUS OF YOUNG FEMALE ELITE GERMAN FOOTBALL PLAYERS**
- von Andrian-Werburg, J. et al. [Germany]

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**Rheinland/South** OP-PM31

**PACING IN CYCLING AND WINTER SPORTS**

**Chair(s):**
- Hettinga, F. [United Kingdom]
- Hoitenrott, K. [Germany]

**18:00** OP-PM31-1

**ENERGY EXPENDITURE AND FOOD INTAKE OF PROFESSIONAL FOOTBALL PLAYERS IN THE DUTCH PREMIER LEAGUE: IMPLICATIONS FOR NUTRITIONAL COUNSELING**
- Brinkman, N. Y. J. et al. [Netherlands]

**18:45** OP-PM31-2

**THE PSYCHOPHYSIOLOGICAL DETERMINANTS OF PACING AND PERFORMANCE: FALLING BEHIND AND ITS PSYCHOPHYSIOLOGICAL CONSEQUENCES**
- Venhorst, A. et al. [South Africa]

**19:15** OP-PM31-3

**PHYSICAL CONDITIONING AND MATCH PARTICIPATION IN ELITE WOMEN’S SOCCER**
- Araujo, M. C. et al. [Germany]
Saturday, July 8th, 2017

18:45 OP-BN14-4
DEFENSIVE BALANCE IN ELITE FOOTBALL: APPLICATION OF EXPERT OBSERVATIONS SCHULZE, E. ET AL [GERMANY]

19:00 OP-BN14-5
PACKING IN FOOTBALL: A DIFFERENTIAL ECOLOGICAL PERSPECTIVE ON PASSING STEINER, S. ET AL [SWITZERLAND]

19:15 OP-BN14-6
AN APPROACH TO ANALYZE THE RELATIONSHIPS BETWEEN BASKETBALL REFEREES AND TEAM PERFORMANCE WANG, S. ET AL [TAWAIN]

Brüssel/West OP-BN20
CORTICAL AND CORTICOSPINAL EXCITABILITY
Chair(s):
Aagaard, P. [Denmark]
Federolf, P. [Austria]

18:00 OP-BN20-1
THE EFFECT OF ACUTE LOW-INTENSITY AEROBIC EXERCISE ON INHIBITORY AND EXCITATORY CIRCUITS IN THE PRIMARY MOTOR CORTEX YAMAZAKI, Y. ET AL [JAPAN]

18:15 OP-BN20-2
PROLONGED MOTOR IMAGERY INCREASES MOTOR-RELATED CORTICAL POTENTIAL AMPLITUDE AND PERCEPTION OF EFFORT DURING IMAGINED AND ACTUAL ISOMETRIC KNEE EXTENSIONS PAGEAU, B. ET AL [FRANCE]

18:30 OP-BN20-3
EFFECT OF STIMULATION FREQUENCY ON CORTICOSPINAL EXCITABILITY VITRY, F. ET AL [FRANCE]

18:45 OP-BN20-4
CORTICOSPINAL CHANGES INDUCED BY CONCENTRIC VERSUS ECCENTRIC SINGLE-JOINT EXERCISES GARNER, Y. ET AL [FRANCE]

19:00 OP-BN20-5
MOTOR CORtical REPRESENTATION IN TWO DIFFERENT STRENGTH-TRAINING MODALITIES REVEALED BY TRANSCRANIAL MAGNETIC STIMULATION JØRGENSEN, R. ET AL [DENMARK]

L/South IS-SH04
PREVENTION OF SEXUAL HARASSMENT AND ABUSE IN SPORTS
Chair(s):
Fasting, K. [Norway]

18:00 IS-SH04-1
PREVENTING SEXUAL HARASSMENT IN ZAMBIAN SPORT – THE VOICES OF ATHLETES AND COACHES FASTER, K. ET AL [NORWAY]

18:30 IS-SH04-2
CHILD SEXUAL ABUSE IN SPORT AND LEISURE SETTINGS: REPORTS TO ENGLISH LOCAL AUTHORITIES 2010-15 HARTILL, M. [UNITED KINGDOM]

M/South OP-SH14
SOCIAL FACTORS AND SPORT
Chair(s):
Patterson, L. [United Kingdom]
Blank, C. [Austria]

18:00 OP-SH14-1
INVESTIGATING THE MANAGEMENT OF THE ELITE SPORT SUCCESS FACTOR TRAINING FACILITIES BÖHNE, N. ET AL [GERMANY]

18:30 OP-SH14-2
THE COMPARISON OF SPORT SYSTEM AND SUPPORT FROM SOCIAL ENVIRONMENT BETWEEN CHINA AND EUROPEAN COUNTRIES IN ATHLETIC TRANSITION AND CAREER DEVELOPMENT CHENG, W. ET AL [GERMANY]

18:45 OP-SH14-3
PARENT-ADOLESCENT INTERPERSONAL RELATIONSHIPS IN YOUTH SPORT: A MIXED METHODS STUDY LISINSKIENE, A. [LITHUANIA]

N/South OP-PM69
METHODS IN EXERCISE PHYSIOLOGY 3
Chair(s):
de Ruiter, J. [Netherlands]
Abel, T. [Germany]

18:00 OP-PM69-1
VALIDITY OF THE 16-METRE PACER AND SIX-MINUTE WALK TEST IN ADULTS WITH DOWN SYNDROME BOER, P. [SOUTH AFRICA]

18:30 OP-PM69-2
ASSESSING THE VALIDITY AND TEST-RETEST RELIABILITY OF THE KINECT SENSOR WHEN SCORING THE FUNCTIONAL MOVEMENT SCREEN SMITH, P. ET AL [IRELAND]

18:45 OP-PM69-3
ONE METABOLIC EQUIVALENT <MET> IN POSTMENOPAUSAL OBESE WOMEN IS NOT EQUAL TO THE TRADITIONALLY ACCEPTED RESTING OXYGEN CONSUMPTION VALUE KOSAR, S.N. ET AL [TURKEY]

19:00 OP-PM69-5
SELF- AND OBSERVER-RATED TALK TEST FOR EXERCISE PRESCRIPTION IN SEDENTARY SUBJECTS THIEL, C. ET AL [GERMANY]

Saturday, July 8th, 2017

08:00 - 09:30

Europa/West IS-PM12
MUSCLE CARNITINE: THE KEY PLAYER IN MUSCLE FUEL SELECTION?
Chair(s):
Greenhaff, P. [United Kingdom]

08:00 IS-PM12-1
THE LIMITATIONS TO FATTY ACID OXIDATION IN THE TRANSITION FROM MODERATE TO HIGH INTENSITY EXERCISE IN HUMANS AND THE MECHANISTIC BASIS OF THIS LIMITATION JORN WULFF HELGE [DENMARK]

08:30 IS-PM12-2
THE IMPACT OF CARNITINE DEPLETION ON TISSUE CARNITINE AVAILABILITY AND INDEPENDENTLY ON FUNCTION STEPHAN KRAHENBUHL [SWITZERLAND]

09:00 IS-PM12-3
INCREASING MUSCLE CARNITINE AVAILABILITY IN HUMANS AND ITS IMPACT ON MUSCLE FUEL SELECTION AND REGULATION IN MUSCLE AND ANDHOLST [UNITED KINGDOM]

Deutschland/South IS-PM14
EXERCISE TESTING AND TRAINING IN CLINICAL POPULATIONS - FROM HIGH PERFORMANCE SPORTS TO PATIENTS
Chair(s):
Scharhag-Rosenberger, F. [Germany]

08:00 IS-PM14-1
EXERCISE TESTING IN CLINICAL POPULATIONS SCHARHAG-ROSENBERGER, F. [GERMANY]

08:30 IS-PM14-2
“HIT THE PATIENT” - STRENGTH AND ENDURANCE TRAINING IN CLINICAL POPULATIONS HELGERUD, J. [NORWAY]

09:00 IS-PM14-3
AEROBIC EXERCISE INTENSITY PRESCRIPTION AND HIGH-INTENSITY LOW VOLUME EXERCISE <HILVE> IN DEPRESSIVE DISORDERS DONATH, L. [SWITZERLAND]

Panorama/West OP-PM37
TRAINING AND EXERCISE IN CLINICAL POPULATIONS 3
Chair(s):
Aagaard, P. [Denmark]
Schaar, B. [Germany]

08:00 OP-PM37-1
IS BOUTED MODERATE-VIGOROUS PHYSICAL ACTIVITY ASSOCIATED WITH FIBROMYALGIA SEVERITY IN FEMALE FIBROMYALGIA PATIENTS? THE AL-ÁNDALUS PROJECT SEGURA-JIMÉNEZ, V. ET AL [SPAIN]
08:15  OP-PM37-2  INFLUENCE OF A SIX-MONTH HIGH-INTENSITY EXERCISE INTERVENTION ON AUTONOMIC FUNCTION DURING EXERCISE FOR CHILDREN AND ADOLESCENTS WITH ASTHMA
Mcnarry, M. A. et al [UNITED KINGDOM]

08:30  OP-PM37-3  INTENSIVE LIFESTYLE INTERVENTION IN TYPE 2 DIABETES IMPROVES GLYCAEMIC CONTROL WITH USE OF LESS MEDICATION <THE U-TURN STUDY>: A RANDOMISED, ASSESSOR-BLINDED, PARALLEL GROUP, CONTROLLED TRIAL
Johansen, M. et al [DENMARK]

08:45  OP-PM37-4  CARDIORESPIRATORY FITNESS IS ASSOCIATED WITH FATIGUE EVEN AFTER CONTROLLING FOR DEPRESSION IN PERSONS MULTIPLE SCLEROSIS
Sebastiao, E. et al [UNITED KINGDOM]

09:00  OP-PM37-5  ACTIVITY PACING, FATIGUE, PHYSICAL ACTIVITY AND SEDENTARY BEHAVIOUR IN ADULTS WITH MULTIPLE SCLEROSIS: DATA FROM THE RESPECT STUDY
Abone, U. S. et al [UNITED KINGDOM]

08:00  IS-BN08  MUSCLE EMG ACTIVITIES IN SPORT SCIENCES
Chair(s):

08:00  IS-BN08-1  ANALYSING AND INTERPRETING ELECTROMYOGRAPHY
Dario Farina [Germany]

08:30  IS-BN08-2  FROM MUSCLE SYNERGIES TO MUSCLE FORCE: TOWARD A BETTER UNDERSTANDING OF MUSCLE COORDINATION STRATEGIES
Hug, F. [France]

09:00  IS-BN08-3  MUSCLE INACTIVITY AND ACTIVITY DURING NORMAL DAILY LIFE
Finni, T. [Finland]

08:15  OP-PM32  ENDURANCE PERFORMANCE TESTING
Chair(s):
Kilding, A. [New Zealand] Hartmann, U. [Germany]

08:00  OP-PM32-1  PREDICTION OF PERFORMANCE BY HEART RATE-DERIVED PARAMETERS IN RECREATIONAL RUNNERS
Irazusta, J. et al [Spain]

08:15  OP-PM32-2  HIGHER ACCURACY OF THE LACTATE MINIMUM TEST COMPARED TO ESTABLISHED THRESHOLD CONCEPTS <OBLA/MDMAX> TO DETERMINE MAXIMAL LACTATE STEADY STATE IN RUNNING
Wahl, P. et al [Germany]

08:30  OP-PM32-3  DIFFERENT EXHAUSTIVE PROTOCOLS AFFECT ESTIMATES OF CRITICAL SPEED AND D’ TRiska, C. et al [Australia]

08:45  OP-PM32-4  COMPARABILITY OF COMMON POOL TESTING PROTOCOLS FOR OPEN WATER SWIMMERS
Pyne, D. et al [Australia]

09:00  OP-PM32-5  ESTIMATING SUBMAXIMAL AND PEAK OXYGEN UPTAKE BASED ON POSTEXERCISE MEASUREMENTS IN SWIMMING
Chaverrí, D. et al [Spain]

09:15  OP-PM32-6  CRITICAL VELOCITY RELATIONSHIP TO VENTILATORY GAS EXCHANGE PARAMETERS AND MAXIMAL LACTATE STEADY STATE IN SWIMMING
Espada, M. et al [Portugal]

08:00  IS-SH09  THE PSYCHOLOGY OF JUDGMENTS AND DECISION-MAKING IN SPORT AND EXERCISE
Chair(s):
Raab, M. [Germany] Plessner, H. [Germany]

08:30  IS-SH09-1  THE POWER OF SIMPLICITY: WHY LESS-IS-MORE IN SPORT AND EXERCISE CHOICES
Raab, M. [Germany]

08:00  IS-SH09-2  THE POWER OF PARALLEL PROCESSING: EXPERTS USE OF MULTIPLE CUES IN AN INSTANT
Plessner, H. [Germany]

09:00  IS-SH09-3  THE NEED TO TAKE COMPLEXITY AND CONTEXT OF DECISION-MAKING INTO CONSIDERATION
Macmahon, C. [Australia]

08:15  OP-BN15  PRELOAD FOR A MORE REASONABLE PERFORMANCE PREDICTION WITH THE FITNESS FATIGUE MODEL
Ludwig, M. et al [Germany]

08:30  OP-BN15-2  MIXED LINEAR MODELING OF TRAINING-PERFORMANCE RELATIONSHIP IN ELITE SWIMMERS
Rodríguez, F. A. et al [Spain]

08:45  OP-BN15-4  PERFORMANCE PREDICTION USING ANTAGONISTIC MODELS IN ROWING
Rasche, C. et al [Germany]

09:00  OP-BN15-5  INDIVIDUALIZED DETECTION OF FATIGUE AND RECOVERY USING MULTIVARIATE DATA
Pitsch, W. et al [Australia]

09:15  OP-BN15-6  THE PREDICTION OF DISADAPTATION STATE OF CARDIOVASCULAR SYSTEM IN ELITE ATHLETES FOR THE PREVENTION OF CARDIOVASCULAR DISEASES
Arutyunov, Y. et al [Russia]

08:00  OP-PM56  SLEEP AND RECOVERY IN AN ELITE SUPER RUGBY UNION TEAM
Dunican, I. et al [Australia]

08:15  OP-PM56-1  SLEEP AND RECOVERY IN AN ELITE SUPER RUGBY UNION TEAM
Dunican, I. et al [Australia]

08:30  OP-PM56-2  SELF-REPORTED SLEEP CHARACTERISTICS OF TRIATHLETES COMPETING IN THE 2015 IRONMAN® WORLD CHAMPIONSHIP
Smith, M. et al [Australia]

08:45  OP-PM56-3  THE IMPACT OF SLEEP ON COGNITIVE AND SPORT-SPECIFIC PERFORMANCE IN ELITE ATHLETES
Knufinke, M. et al [Netherlands]

09:00  OP-PM56-4  EFFECTS OF SLEEP DEPRIVATION ON CARDIAC AUTONOMIC MODULATION AND ENDURANCE PERFORMANCE IN TRAINED CYCLISTS
Roberts, S. S. H. et al [Australia]

09:15  OP-PM56-5  NIGHT GAMES: PHYSIOLOGICAL, NEUROENDOCRINE AND PSYCHOMETRIC MECHANISMS TO EXPLAIN POOR SLEEP IN ATHLETES
Juijff, L. E. et al [Australia]

08:00  OP-PM33  FATIGUE AND PERFORMANCE
Chair(s):

08:00  OP-PM33-1  MULTIPLE TENNIS MATCHES IN ONE DAY: THE EFFECT OF FATIGUE IN JUNIOR TENNIS PLAYERS
Duffield, R. et al [Australia]

08:15  OP-PM33-2  THE EFFECT OF SHORT-TERM FATIGUE ON SUBSEQUENT SKILL PERFORMANCE OF ELITE U-19 HONG KONG SOCCER PLAYERS
O'Reilly, J. et al [Hong Kong]

08:30  OP-PM33-3  IMPACT OF MENTAL AND PHYSICAL FATIGUE ON BASKETBALL-SPECIFIC PERFORMANCE
Smith, M. et al [Australia]
08:45 - 11:15 Saturday, July 8th, 2017

**ECSS MetropolisRuhr 2017 - Germany, 5-8 July**

**09:45 - 11:15 Saturday, July 8th, 2017**

**08:45**

**OP-PM33-4**

**EFFECT OF MUSCLE FATIGUE FOLLOWING RESISTANCE EXERCISE ON POSTURAL CONTROL IN HEALTHY YOUNG ADULTS**

Tschan, H. et al. [Austria]

**09:00**

**OP-PM33-5**

**DOES MENTAL EXERTION INFLUENCE ROWING PERFORMANCE IN YOUNG ATHLETES?**

Filippas, L. et al. [Italy]

**OP-PM33-6**

**RECOVERY OF NEUROMUSCULAR FATIGUE FOLLOWING COMPETITIVE FOOTBALL MATCH-PLAY**

Brownstein, C.G. et al. [United Kingdom]

**09:30**

**OP-PM71**

**LABORATORY-BASED FACTORS PREDICTING PERFORMANCE IN BIATHLON SKIING**

Laaekonen, M. et al. [Sweden]

**09:45**

**OP-PM54-1**

**THE ACUTE RESPONSE TO EXERCISE IN ENDOTHELIAL FUNCTION IS BLUNTED AFTER AEROBIC INTERVAL EXERCISE BUT NOT AFTER MODERATE INTENSITY EXERCISE TRAINING**

Yall, G.K. et al. [United Kingdom]

**10:00**

**OP-PM54-2**

**THE ENERGETIC COST OF RUNNING ON A NON-MOTORIZED TREADMILL - PRELIMINARY FINDINGS**

Schoenmakers, P.P.J.M. et al. [United Kingdom]

**10:15**

**OP-PM54-3**

**THE INFLUENCE OF A SIX-MONTH, HIGH-INTENSITY INTERVAL TRAINING INTERVENTION ON THE PULMONARY OXYGEN UPTAKE KINETICS IN ADOLESCENTS WITH AND WITHOUT ASTHMA**

Winn, C.O.N. et al. [United Kingdom]

**10:30**

**OP-PM54-4**

**CONSIDERATIONS FOR THE DOSE RESPONSE IN SPRINT INTERVAL TRAINING INTERVENTIONS**

O’Connor, D. et al. [Ireland]

**10:45**

**OP-PM54-5**

**EXERCISE TRAINING IMPROVES DEPOT SPECIFIC ADIPOSE TISSUE METABOLISM REGARDLESS OF BASELINE GLUCOSE TOLERANCE AND SEX**

Motiani, P. et al. [Finland]

**11:00**

**OP-PM50-6**

**AEROBIC-STRENGTH TRAINING AND DIET COMPOSITION IN RELATION WITH FUNCTIONAL STATUS, METABOLISM AND COGNITIVE FUNCTIONS IN ELDERLY INDIVIDUALS**

Slobodova, L. et al. [Slovakia]

**08:45 - 11:15 Saturday, July 8th, 2017**

**08:45**

**OP-PM68**

**CEREBRAL BLOOD FLOW AND OXYGENATION**

Chair(s):

Hannukainen, J. [Finland]

Maassen, N. [Germany]

**08:00**

**OP-PM68-1**

**CORRELATION BETWEEN CEREBRAL BLOOD FLOW AND BLOOD PRESSURE DURING AND POST EXERCISE IS REPRESENTED IN CENTRAL AUTONOMIC NETWORK: A POSITRON EMISSION TOMOGRAPHY STUDY USING OXYGEN-15-LABELED WATER**

Hiura, M. et al. [Japan]

**08:15**

**OP-PM68-2**

**REGIONAL DIFFERENCES IN CEREBRAL OXYHEMOGLOBIN CHANGES DURING MODERATE-INTENSITY CYCLING EXERCISE: A NEAR-INFRARED SPECTROSCOPY STUDY**

Tsukada, A. et al. [Japan]

**08:30**

**OP-PM68-3**

**THE BREATHLESS BRAIN: EEG OSCILLATIONS DURING PROLONGED BREATH-HOLDING IN EXPERT APNEA-DIVERS AND NOVICES**

Steinberg, F. et al. [Germany]

**08:30**

**OP-PM71-3**

**LABORATORY-BASED FACTORS PREDICTING PERFORMANCE IN BIATHLON SKIING**

Laaekonen, M. et al. [Sweden]

**08:45**

**OP-PM71-4**

**CHARACTERISTICS OF HURDLE CONTACT PATTERN AND ITS RELATION WITH RACE PERFORMANCE IN 110M-HURDLES**

Iwasi, S. et al. [Japan]

**09:00**

**OP-PM54-1**

**THE ACUTE RESPONSE TO EXERCISE IN ENDOTHELIAL FUNCTION IS BLUNTED AFTER AEROBIC INTERVAL EXERCISE BUT NOT AFTER MODERATE INTENSITY EXERCISE TRAINING**

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**OP-PM54-5**

**EXERCISE TRAINING IMPROVES DEPOT SPECIFIC ADIPOSE TISSUE METABOLISM REGARDLESS OF BASELINE GLUCOSE TOLERANCE AND SEX**

Motiani, P. et al. [Finland]

**11:00**

**OP-PM50-6**

**AEROBIC-STRENGTH TRAINING AND DIET COMPOSITION IN RELATION WITH FUNCTIONAL STATUS, METABOLISM AND COGNITIVE FUNCTIONS IN ELDERLY INDIVIDUALS**

Slobodova, L. et al. [Slovakia]
Oral & Invited Presentations

10:00  OP-PM36-2
UNDERSTANDING FOLLOW-UP NON-ATTENDANCE TO A COMMUNITY-BASED PHYSICAL ACTIVITY MOTIVATIONAL INTERVIEW SESSION AMONGST AT-RISK INDIVIDUALS
WADE, M. ET AL [UNITED KINGDOM]

10:15  OP-PM46-3
THE DAMAGING EFFECTS OF RUGBY COMPETITION: ARE THESE Athletes IN A LEAGUE OF THEIR OWN?
MOREHEN, J. ET AL [UNITED KINGDOM]

10:30  OP-PM46-4
PHYSICAL ACTIVITY AND BEHAVIORAL PATTERNS ASSOCIATED WITH MEDICINES USAGE IN MIDDLE-AGED ADULTS: A POPULATION BASED CROSS-SECTIONAL STUDY
KRAISNOI, E. ET AL [KOSOVO]

10:45  OP-PM46-5
THE INTRA-/ INTERMUSCULAR FLUID AFTER SEVERE MUSCLE STRAIN INJURIES HAS A PRO-INFLAMMATORY PROFILE AND DIFFERENTIALLY AFFECTS ISOLATED MUSCLE AND CONNECTIVE TISSUE CELLS
BAYER, M.L. ET AL [DENMARK]

11:00  OP-PM55-6
SEX AND MATURATION DIFFERENCES DURING THE TUCK JUMP ASSESSMENT IN YOUNG ATHLETES
FORT VANMEERHAEGHE, A. ET AL [SPAIN]

New York/West  OP-PM55
BOXING AND THE EYE: MIXED SESSION
Chair(s):
MacMahon, C. [Australia]
Schindler, L. [Austria]

09:45  OP-PM55-1
ACUTE BRAIN CHANGES FOLLOWING ROUTINE SUB-CONCUSSIVE IMPACTS: EVIDENCE FROM BOXING
DI VIRGILIO, T.G. ET AL [UNITED KINGDOM]

10:00  OP-PM55-2
EFFECT OF THE APPLIED ANCIENT BOXING EXERCISE ON STRENGTH OF LOWER EXTREMITIES AND QUALITY OF LIFE IN WARICHAPHUM SAKONNAKON PROVINCE OSTEOPOROSIS: A RANDOMIZED CONTROLLED TRIAL
KATHYAJAN, N. [THAILAND]

10:15  OP-PM55-3
THE MODIFIED ANCIENT BOXING EXERCISE ON PHYSICAL PERFORMANCE IN THAI ELDERS: A RANDOMIZED CONTROLLED TRIAL
Srisamaai, T. [Thailand]

10:30  OP-PM55-4
THE ASSOCIATION BETWEEN INTRAOCULAR PRESSURE AND BLOOD PRESSURE DURING A MAXIMAL INCREMENTAL TEST
VERA, J. ET AL [SPAIN]

10:45  OP-PM55-5
VISUAL REQUIREMENTS AND VISUAL PERFORMANCE PROFILE IN FOOTBALL
EERTZEN-HAGEMANN, V. ET AL [GERMANY]

11:00  OP-PM55-6
THE EFFECT OF PHYSIOLOGICAL AROUSAL ON THE QUIET EYE OF ELITE BADMINTON PLAYERS
GAWIN, W. ET AL [GERMANY]

Mailand/West  OP-BN16
BIOMECHANICS OF JUMPING
Chair(s):
Golinhofer, A. [Germany]
Hagen, M. [Germany]

09:45  OP-BN16-1
DIFFERENT MOTION PATTERNS DURING FORWARD JUMP LANDING IN ATHLETES WITHCHRONIC ANKLE INSTABILITY, ANKLE SPRAIN COPERS AND HEALTHY CONTROLS
LIN, J.Z. ET AL [TAIWAIN]

10:00  OP-BN16-2
DOES THE FOOT MUSCLE STRENGTH RELATE TO THE POSTURAL STABILITY?
KOYAMA, K. ET AL [JAPAN]

Brüssel/West  OP-BN17
METHODS IN MUSCLE AND TENDON BIOMECHANICS
Chair(s):
Wakeling, J. [Canada]
Nosaka, K. [Australia]

09:45  OP-BN17-1
EFFECTS OF STATIC STRETCHING, DYNAMIC STRETCHING AND SUBMAXIMAL ISOMETRIC CONTRACTIONS ON MECHANICAL PROPERTIES OF PLANTAR FLEXOR MUSCLES
OPPELRT, J. ET AL [FRANCE]

10:00  OP-BN17-2
LOADING RATE AND CONTRACTION TYPE EFFECTS ON THE HUMAN ACHILLES TENDON FORCE-ELONGATION RELATIONSHIP
MCCRUM, C. ET AL [NETHERLANDS]
Saturday, July 8th, 2017

10:15  OP-BN17-3
DIFFERENT PATELLA MOMENT ARM FUNCTION ALTERS THE FORCE PREDICTIONS AND SHAPE OF THE VASTUS LATERALIS MUSCLE FORCE-LENGTH RELATIONSHIP
BAKENECKER, P. ET AL [GERMANY]

10:30  OP-BN17-4
SHOULD WE USE THE SLACK TEST TO MEASURE MAXIMAL SHORTENING VELOCITY OF HUMAN MUSCLE FASCICLES?
HAGER, R. ET AL [FRANCE]

10:45  OP-SH15
MENTAL FATIGUE AND RECOVERY
Chair(s):
Lane, A. [United Kingdom]
Raab, M. [Germany]

09:45  OP-SH15-1
MENTAL FATIGUE IMPAIRS SPORT-SPECIFIC REACTION TIME
ROELANDS, B. ET AL [BELGIUM]

10:00  OP-SH15-2
MONITORING SLEEP OF THE GERMAN JUNIOR ROWING TEAM DURING THE WORLD ROWING JUNIOR CHAMPIONSHIPS FOLLOWING WESTWARD TRAVEL
KÖLLING, S. ET AL [GERMANY]

10:15  OP-SH15-3
THE EFFECT OF STRENuous CONCURRENT EXERCISE ON COGNITION, MOOD AND RATINGS OF ENERGY AND FATIGUE
BROWN, S. ET AL [UNITED KINGDOM]

10:30  OP-SH15-4
INFLUENCE OF MATCH DEMANDS ON RECOVERY/STRESS STATES IN ELITE YOUTH FOOTBALL PLAYERS
PELKA, M. ET AL [GERMANY]

10:45  OP-SH15-5
THE EFFECT OF RECOVERY-STRESS IMBALANCE ON EMOTIONAL EXHAUSTION IN GERMAN COACHES
SCHAFRAN, P. ET AL [GERMANY]

11:00  OP-SH15-6
A FUTURE APPLICATION FOR WEARABLES IN SPORT: ASSESSMENT IN PHYSICAL ACTIVITY USING OXYGEN SATURATION DETERMINATION FOR PREDICTING VENTILATORY AND LACTATE THRESHOLD
MARTIN-ESCUDEIRO, P. ET AL [SPAIN]

11:15  OP-SH15-7
RELIABILITY AND VALIDITY OF FIELD-BASED STRENGTH TESTS FOR ELDERLY TO BE USED IN YOUNGER KOSOVAN ADULTS
BOSHNIJAKU, A. ET AL [KOSOVO]

11:30  OP-SH15-8
AGE-SPECIFIC ACCELEROMETER CUT POINTS FOR PHYSICAL ACTIVITY INTENSITY
PARK, S. ET AL [KOREA, SOUTH]

11:45  OP-SH15-9
DEVELOPMENT OF TWO ECONOMIC AND SENSITIVE TOOLS TO ASSESS ACUTE RECOVERY AND STRESS IN SPORTS
KELLMANN, M. ET AL [GERMANY]

12:00  OP-SH15-10
SKELETAL MUSCLE OXIDATIVE METABOLISM FOLLOWING ISCHAEMIC PRECONDITIONING
JEFFRIES, O. ET AL [UNITED KINGDOM]

12:15  OP-SH15-11
ISCHEMIC PRECONDITIONING IMPROVES EXERCISE PERFORMANCE FOLLOWING EXHAUSTIVE EXERCISE WITHOUT CHANGES IN OXYGEN KINETICS
ANGELL, P.J, LOWRIE, J. ET AL [UNITED KINGDOM]

12:30  OP-SH15-12
RELATIONSHIP BETWEEN PHYSICAL FITNESS, QUALITY OF LIFE AND SHORT-TERM VERBAL MEMORY IN NURSING HOME RESIDENTS
RODRIGUEZ, A. ET AL [SPAIN]

12:45  OP-SH15-13
EFFECTS OF A GIANT EXERCISING BOARD GAME INTERVENTION ON AMBULATORY PHYSICAL ACTIVITY AMONG NURSING HOME RESIDENTS: A PRELIMINARY STUDY
MOUTON, A. ET AL [FRANCE]

13:00  OP-SH15-14
WATER INTAKE AFTER DEHYDRATION MAKES MUSCLES MORE SUSCEPTIBLE TO CRAMP, BUT ELECTROLYTES REVERSE THE EFFECT
LAU, W.Y. ET AL [AUSTRALIA]

13:15  OP-SH15-15
THE CONSUMPTION OF LIQUID DIET PRE-EXPERIMENTAL TRIALS IMPROVES ADHERENCE COMPARED TO SOLID DIET IN ATHLETES
EL-CHAB, A. ET AL [UNITED KINGDOM]

13:30  OP-SH15-16
THE ASSOCIATION OF THE DENSITY OF GROCERY STORES WITH LIFE SPACE AREA AMONG OLDER PEOPLE LIVING ALONE OR LIVING WITH OTHERS
PAVELKA, B. [FINLAND]

13:45  OP-SH15-17
THE EFFECT OF RECOVERY-STRESS IMBALANCE ON EMOTIONAL EXHAUSTION IN GERMAN COACHES
SCHAFRAN, P. ET AL [GERMANY]

14:00  OP-SH15-18
WATER INTAKE AFTER DEHYDRATION MAKES MUSCLES MORE SUSCEPTIBLE TO CRAMP, BUT ELECTROLYTES REVERSE THE EFFECT
LAU, W.Y. ET AL [AUSTRALIA]

14:15  OP-SH15-19
SKELETAL MUSCLE OXIDATIVE METABOLISM FOLLOWING ISCHAEMIC PRECONDITIONING
JEFFRIES, O. ET AL [UNITED KINGDOM]

14:30  OP-SH15-20
ISCHEMIC PRECONDITIONING IMPROVES EXERCISE PERFORMANCE FOLLOWING EXHAUSTIVE EXERCISE WITHOUT CHANGES IN OXYGEN KINETICS
ANGELL, P.J, LOWRIE, J. ET AL [UNITED KINGDOM]

14:45  OP-SH15-21
RELATIONSHIP BETWEEN PHYSICAL FITNESS, QUALITY OF LIFE AND SHORT-TERM VERBAL MEMORY IN NURSING HOME RESIDENTS
RODRIGUEZ, A. ET AL [SPAIN]

15:00  OP-SH15-22
EFFECTS OF A GIANT EXERCISING BOARD GAME INTERVENTION ON AMBULATORY PHYSICAL ACTIVITY AMONG NURSING HOME RESIDENTS: A PRELIMINARY STUDY
MOUTON, A. ET AL [FRANCE]

15:15  OP-SH15-23
WATER INTAKE AFTER DEHYDRATION MAKES MUSCLES MORE SUSCEPTIBLE TO CRAMP, BUT ELECTROLYTES REVERSE THE EFFECT
LAU, W.Y. ET AL [AUSTRALIA]
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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
<th>Country</th>
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<tr>
<td>14:00</td>
<td>OP-PM42</td>
<td>EXERCISE AND CANCER</td>
<td>Chair(s): Bloch, W. (Germany) Scharhag-Rosenberger, F. (Germany)</td>
<td>Germany</td>
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<tr>
<td>14:10</td>
<td>OP-PM42</td>
<td>LIBRE - PILOT FEASIBILITY AND RESULTS OF STRUCTURED ENDURODGE TRAINING IN BRCA1 AND BRCA2 MUTATION CARRIERS BERLING-ERNST, A. ET AL (GERMANY)</td>
<td></td>
<td>Germany</td>
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<td>14:15</td>
<td>OP-PM42</td>
<td>THE PHYSICAL ACTIVITY AND FITNESS IN EUROPEAN CHILDHOOD CANCER SURVIVORS STUDY – EUROPEACCS GRYDELMANN, M. ET AL (NORWAY)</td>
<td></td>
<td>Norway</td>
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<td>14:30</td>
<td>OP-PM42</td>
<td>EVALUATING PHYSICAL FUNCTION IN CHILDREN WITH CANCER DURING INTENSE TREATMENT – CHALLENGES AND FEASIBILITY IN CLINICAL PRACTICE NIELSEN, M.K.F. ET AL (DENMARK)</td>
<td></td>
<td>Denmark</td>
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<td>14:45</td>
<td>OP-PM42</td>
<td>EVALUATING A HOME-BASED PHYSICAL ACTIVITY INTERVENTION USING ACTIVITY TRACKERS IN PEDIATRIC CANCER PATIENTS GöTTE, M. ET AL (GERMANY)</td>
<td></td>
<td>Germany</td>
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<tr>
<td>15:00</td>
<td>OP-PM42</td>
<td>CHANGES IN MUSCLE STRENGTH DURING THE FIRST YEAR OF TREATMENT FOR CHILDHOOD CANCER IN A SAMPLE OF CHILDREN TAKING PART IN A CLINICAL EXERCISE INTERVENTION SONTGERATH, R. ET AL (GERMANY)</td>
<td></td>
<td>Germany</td>
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<tr>
<td>14:00</td>
<td>OP-PM34</td>
<td>ACUTE RESPONSES TO EXERCISE</td>
<td>Chair(s): Rannestad, B. (Norway) Schneider, C. (Germany)</td>
<td>Norway</td>
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<tr>
<td>14:00</td>
<td>OP-PM34</td>
<td>INDIVIDUAL STRESS RESPONSES TO DIFFERENT TRAINING LOADS IN ENDURODGE ATHLETES HAKKARAINEN, A. ET AL (FINLAND)</td>
<td></td>
<td>Finland</td>
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<tr>
<td>14:15</td>
<td>OP-PM34</td>
<td>A PHYSIOLOGICAL PROFILE OF THE STRESS RESPONSE FOLLOWING RESISTANCE EXERCISE JACKMAN, J. ET AL (UNITED KINGDOM)</td>
<td></td>
<td>United Kingdom</td>
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<tr>
<td>14:30</td>
<td>OP-PM34</td>
<td>ACUTE PHYSIOLOGICAL RESPONSES TO RESTED SLED SPRINT TRAINING AT LIGHT OR HEAVY SLED LOADS MONAHAN, M. ET AL (IRELAND)</td>
<td></td>
<td>Ireland</td>
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<tr>
<td>14:45</td>
<td>OP-PM34</td>
<td>HEART RATE VARIABILITY A USEFUL TOOL TO ASSESS PHYSIOLOGICAL RESPONSES TO AN ACUTE TRAINING OVERLOAD IN YOUTH FEMALE ROWERS? EGAN-SHUTTLER, J. ET AL (UNITED STATES)</td>
<td></td>
<td>United States</td>
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<tr>
<td>15:00</td>
<td>OP-PM34</td>
<td>MODULATION OF H-REFLEX IN BEAM WALKING OF DIFFERENT WIDTHS SMAJLA, D. ET AL (SLOVENIA)</td>
<td></td>
<td>Slovenia</td>
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<td>15:00</td>
<td>OP-PM34</td>
<td>EXPLOSIVE VS. CLASSIC STRENGTH TRAINING INDUCE TASK-SPECIFIC NEURAL PLASTICITY GIBONI, L. ET AL (GERMANY)</td>
<td></td>
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<td>15:15</td>
<td>OP-PM34</td>
<td>A COMPARATIVE STUDY ON THE EFFECTS OF DIFFERENT TYPES OF HIGH-INTENSITY ISOGENIC LEG-EXTENSION TRAINING AT DIFFERENT VELOCITIES ON QUADRICEPS MUSCLE VOLUME UNLÜ, G. ET AL (TURKEY)</td>
<td></td>
<td>Turkey</td>
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<tr>
<td>15:00</td>
<td>OP-PM34</td>
<td>THE ACUTE EFFECTS OF EXERCISE INTENSITY ON BRACHIAL ARTERY ENDOTHELIUM FUNCTION IN ABDOMINAL AORTIC ANEUERYSM PATIENTS BAILEY, T.G. ET AL (AUSTRALIA)</td>
<td></td>
<td>Australia</td>
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<td>14:00</td>
<td>OP-BN18</td>
<td>MUSCLE DAMAGE AND FOAM ROLLING</td>
<td>Chair(s): Cabri, J. (Norway) Racinais, S. (Qatar)</td>
<td>Qatar</td>
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<tr>
<td>14:00</td>
<td>OP-BN18</td>
<td>EFFECTS OF 4-WEEKS OF LOCAL VIBRATION TRAINING ON KNEE EXTENSION FORCE PRODUCTION AND CORTICAL VOLUNTARY ACTIVATION IN ELDERLY AND YOUNG POPULATIONS SOURON, R. ET AL (FRANCE)</td>
<td></td>
<td>France</td>
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<td>14:15</td>
<td>OP-BN18</td>
<td>LIBRE- PILOT: FEASIBILITY AND RESULTS OF STRUCTURED ENDURODGE TRAINING IN BRCA1 AND BRCA2 MUTATION CARRIERS BERLING-ERNST, A. ET AL (GERMANY)</td>
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<td>14:15</td>
<td>OP-BN18</td>
<td>THE EFFECT OF PRECONDITIONING WITH ULTRASOUND DIASTHERMY ON MUSCLE DAMAGE JHUANG, Y. (TAIWAN)</td>
<td></td>
<td>Taiwan</td>
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<tr>
<td>14:30</td>
<td>OP-BN18</td>
<td>EVALUATING PHYSICAL FUNCTION IN CHILDREN WITH CANCER DURING INTENSE TREATMENT – CHALLENGES AND FEASIBILITY IN CLINICAL PRACTICE NIELSEN, M.K.F. ET AL (DENMARK)</td>
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<td>14:00</td>
<td>OP-BN66</td>
<td>VASCULAR PHYSIOLOGY AND HEALTH</td>
<td>Chair(s): Birch, K. (United Kingdom) Jones, H. (United Kingdom)</td>
<td>United Kingdom</td>
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<td>14:00</td>
<td>OP-BN66</td>
<td>HABITUAL EXERCISE DECREASES SYSTOLIC BLOOD PRESSURE DURING LOW-INTENSITY RESISTANCE EXERCISE IN HEALTHY MIDDLE-AGED AND OLDER INDIVIDUALS OTSUJI, T. ET AL (JAPAN)</td>
<td></td>
<td>Japan</td>
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<td>THE ACUTE EFFECTS OF EXERCISE INTENSITY ON BRACHIAL ARTERY ENDOTHELIUM FUNCTION IN ABDOMINAL AORTIC ANEUERYSM PATIENTS BAILEY, T.G. ET AL (AUSTRALIA)</td>
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<td>Australia</td>
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<td>15:30</td>
<td>OP-BN66</td>
<td>HEAD COACHES’ RETURN TO PLAY DECISION MAKING AFTER INJURIES IN TEAM SPORT ATHLETES: UPON WHO OR WHAT THEY RELY ON? NIEDERER, D. ET AL (GERMANY)</td>
<td></td>
<td>Germany</td>
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An age-specific warm-up programme to prevent injuries in children's football reduces health care costs: an economic impact study
Rössler, R. et al [Switzerland]

Metabolism in different sports

Chair(s):
Gaffney, C. [United Kingdom]
Williams, C. [United Kingdom]

15:00 - 15:15

15:00 OP-PM73-5
Effect of accumulated walking and standing on postprandial metabolism in inactive adolescent girls
Tolfrey, K. et al [United Kingdom]

15:15 OP-PM73-6
A research on characteristics of energy consumption in badminton on Chinese residents
Zhang, Y. [China]

Maximal fat oxidation is related to performance in an Ironman Triathlon
Frandsen, J. et al [Denmark]

A greater maximal fat oxidation rate occurs at a higher exercise intensity during exercise in a cold environment
Gagnon, D.D. et al [Canada]

Negative VO2 slow component during downhill running
Lemire, M. et al [France]
Thursday, July 6th, 2017

14:00 - 15:00

**MO-PM01 Clinical aspects of health and fitness**

**LECTURE ROOM: EUROPA/WEST**

Chair(s): Ainsworth, B. [United States] Williams, C. [United Kingdom]

**MO-PM01-1 [YIA]**

MEMORY FLEXIBILITY IS A LINK BETWEEN PHYSICAL-ACTIVITY RELATED ENDURANCE AND HIPPOCAMPAL MEMORY IN YOUNG ADULTS

SUWABE, K. ET AL [JAPAN]

**MO-PM01-2 [YIA]**

EFFECT OF EXERCISE TRAINING ON CARDIAC INFLAMMATION AND FIBROSIS IN HYPERTENSIVE OVARIECTOMIZED RATS

LIN, Y.Y. ET AL [TAIWAN]

**MO-PM01-3**

PHYSICAL PERFORMANCE IN ADVANCED LUNG CANCER PATIENTS AFTER A 12-WEEK EXERCISE INTERVENTION: PRELIMINARY RESULTS OF THE POSITIVE STUDY

TITZ, C. ET AL [GERMANY]

**MO-PM01-4**

EFFECTS OF 10 WEEKS ATORVASTATIN TREATMENT ON MUSCLE DAMAGE, MUSCLE STRENGTH, AND MITOCHONDRIAL FUNCTION IN RAT SKELETAL MUSCLES

KWAK, H. B. ET AL [KOREA, SOUTH]

**MO-PM01-5**

EFFECTS OF INCREASING CENTRAL ARTERIAL STIFFNESS ON CEREBRAL BLOOD FLOW PULSATILITY IN RESISTANCE-TRAINED MEN

NAKAMURA, N. ET AL [JAPAN]

**MO-PM03 Nutrition and supplements**

**LECTURE ROOM: DEUTSCHLAND/SOUTH**

Chair(s): Verdijk, L. [Netherlands] Paoli, A. [Italy]

**MO-PM03-1 [YIA]**

UPREGULATION OF NICOTINAMIDE N-METHYLTRANSFERASE IN SKELETAL MUSCLE FOLLOWING PROLONGED EXERCISE AND CALORIC RESTRICTION

MARTIN-RINCON, M. ET AL [SPAIN]

**MO-PM03-2 [YIA]**

EFFECTS OF CAFFEINE INGESTION ON EXECUTIVE FUNCTION AND CEREBRAL PERFUSION

TAKAO, Y. ET AL [JAPAN]

**MO-PM03-3**

EFFECTS OF DIETARY NITRATE IN SKELETAL MUSCLE IN DECREASED OXYGEN HETEROGENEITY IN HUMANS

NYAKAYIRU, J. ET AL [NETHERLANDS]

**MO-PM03-4**

EFFECTS OF DIETARY NITRATE ON PHYSIOLOGICAL RESPONSES, COGNITIVE FUNCTION, AND EXERCISE PERFORMANCE AT SIMULATED HIGH ANB VERY-HIGH ALTITUDE

SHANNON, O. M. ET AL [UNITED KINGDOM]

**MO-PM02 Training and testing: endurance**

**LECTURE ROOM: PANORAMA/WEST**

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

**MO-PM02-1 [YIA]**

EFFECTS OF TOPOGRAPHY, ROAD GRADIENT AND RIDER SPECIALITY ON MAXIMAL MEAN POWER OUTPUT DURING PROFESSIONAL CYCLING

METCALFE, A. J. ET AL [AUSTRALIA]

**MO-PM02-2**

THE RELATIONSHIP BETWEEN TIMING OF ENDURANCE EXERCISES AND PHYSIOLOGICAL RESPONSES DURING EVENING AND NIGHT-TIME SLEEP

NISHIMURA, K. ET AL [JAPAN]

**MO-PM01-6**

ADVANCED VASCULAR AGING IN APPARENTLY HEALTHY MALE ADOLESCENTS: THE ROLE OF CARDIORESPIRATORY FITNESS

SHERIDAN, S. E. ET AL [HONG KONG]

**MO-PM01-7**

AN INVESTIGATION INTO THE PHYSICAL FUNCTION IN DDH PATIENTS DIAGNOSED WITH LEG LENGTH DISCREPANCY FOLLOWING SALTER OSTEOTOMY

LI, G.J. ET AL [TAIWAN]

**MO-PM02-3**

EFFECTS OF 6 WEEKS SPEED ENDURANCE TRAINING WITH TREADMILL ON HURDLE ATHLETE’S PERFORMANCE

TIEN-NING, T. [TAIWAN]

**MO-PM02-4**

FACTORS THAT IMPROVE THE ENDURANCE RUNNING PERFORMANCE IN ELEMENTARY SCHOOL BOYS IN JAPAN

NAKATSUKA, H. ET AL [JAPAN]

**MO-PM02-5**

THE STRESS OF BACKPACKING

THYS, S. ET AL [GERMANY]

**MO-PM02-6**

INFLUENCE OF TRAINING INDUCED FATIGUE ON PERFORMANCE INDICATORS IN CYCLISTS

SCHWINDLING, S. ET AL [GERMANY]

**MO-PM02-7**

IMPACT OF ENDURANCE EXERCISE IN HYPOXIA ON ACID-BASE BALANCE AND POTASSIUM KINETICS

SUMI, D. ET AL [JAPAN]

**MO-BN01 Neurophysiology and motor learning**

**LECTURE ROOM: BERLIN/WEST**

Chair(s): Levin, O. [Belgium]

**MO-BN01-1 [YIA]**

EFFECTS OF ACUTE AEROBIC EXERCISE ON EXECUTIVE FUNCTION: AN FMRI STUDY

KOBAYASHI, A. ET AL [JAPAN]

**MO-BN01-2 [YIA]**

NEURAL DECODING OF MUSCLE SYNERGY ACTIVATIONS FROM EEG SIGNALS IN HUMAN WALKING

YOKOYAMA, H. ET AL [JAPAN]

**MO-BN01-3**

EFFECT OF MENTAL LOAD ON VOLUNTARY ACTIVATION DURING REPETITIVE LOW-INTENSITY THUMB TRACKING TASK

ROH-LEIDER, J. ET AL [GERMANY]

**MO-BN01-4**

THE DIFFERENCES OF ADAPTABILITY AMONG ACQUIRED PATTERNS IN LEARNING TO JUGGLE

YAMAMOTO, K. ET AL [JAPAN]

**MO-BN01-5**

THE EFFECT OF VISUOSpatial WORKING MEMORY TRAINING ON Efficacy of ExClusive function & Performance

FATHIHEREZAIE, Z. ET AL [IRAN]

**MO-BN01-6**

EFFECT OF MOTOR IMAGERY SPEEDS ON SOCCER DRIBBLING AMONG SKILLED PLAYERS

ZAMANI SANI, S. H. ET AL [IRAN]

**MO-BN01-7**

THE EFFECTS OF BLOCKED AND RANDOM IMAGERY ON LEARNING OF SOCCER SKILLS: WITH A FOCUS ON MEDIATING ROLE OF MENTAL IMAGERY ABILITY

TAHMASBI, F. ET AL [IRAN]

**MO-BN01-8**

THE EFFECTS OF ACUTE AEROBIC EXERCISE ON EXECUTIVE FUNCTION: AN FMRI STUDY

KOBAYASHI, A. ET AL [JAPAN]
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MO-PM06 Testing, training and recovery

LECTURE ROOM: RHEINLAND/SOUTH
Chair(s): Hartmann, U. [Germany]
Schulz, H. [Germany]

MO-PM06-1
VALIDATION OF THE METHOD FOR EVALUATION OF ANAEROBIC THRESHOLD IN A WORKING MUSCLE
ORLOVA, E.A. ET AL [RUSSIA]

MO-PM06-2
RELATIONSHIP BETWEEN STRENGTH, JUMP AND VELOCITY PROFILE TO SPRINT PERFORMANCE OF SPRINTER DURING A FOLLOW UP OF AN INDOOR SEASON
NUELL, S. ET AL [SPAIN]

MO-PM06-3
THE EFFECT OF EXTENDED FAMILIARISATION ON ISOKINETIC AND ISOMETRIC MEASUREMENTS
BISSAS, A. [UNITED KINGDOM]

MO-PM14 Coaching: Practical questions

LECTURE ROOM: NEW YORK/WEST
Chair(s): Ulbricht, A. [Germany]

MO-PM14-1
CORELATION BETWEEN STATIC AND DYNAMIC BALANCE AMONG ADULTS. GENDER DIFFERENCES
SHALAI, I. ET AL [ISRAEL]

MO-PM14-2
FEASIBILITY STUDY ON DIFFERENT KIND OF BALANCE AND COORDINATION TASKS TO IMPROVE THE STABILITY IN IDIOMATIC DANCE ARTISTS
GHEORGHE, R. ET AL [ROMANIA]

MO-PM14-3
THE INFLUENCE OF FOAM ROLLING ON FLEXIBILITY AND MUSCLE ARCHITECTURE
YOSHIMURA, A. [JAPAN]

MO-PM14-4
COMBINING PHYSICAL EXERCISE WITH COMPLEX TASKS CONTRIBUTES TO NEURO-COGNITIVE ACTIVATION
KIMURA, K., FUKUSHIMA, F., YOSHIDA, M., AND TANAKA, K. [JAPAN]

MO-PM14-5
RESEARCH ON THE DIFFERENCE BETWEEN THE PLAYER RETIRED AT THE YOUTH AGE AND THE PLAYER WHO CONTINUES IN THE SENIOR LEVELS
UMAKITA, Y. ET AL [JAPAN]

MO-PM14-6
PRACTICAL OVERTRAINING SYNDROME ON IMMUNITY IN ATHLETES
HAN KHY, S. [KOREA, SOUTH]

MO-PM15 Swimming and cycling

LECTURE ROOM: MAILAND/WEST
Chair(s): Hohmann, A. [Germany]

MO-PM15-1
THE EFFECTS OF CYCLING AND RICE BERRY CONSUMPTION ON CARDIAC RISK INDICATORS AND MUSCLE PAIN SCORE
SILAEJERTEDTJUL, S. [THAILAND]

MO-PM15-2
THE EFFECT OF UPPER LIMB EXHAUSTIVE ACTIVITY ON CORTICOSPINAL EXCITABILITY AND MOTONEURON POOL RESPONSIVENESS OF LOWER LIMB
GHARAKHANLIOU, R. ET AL [IRAN]

MO-PM23 Functional movement and injury prevention

LECTURE ROOM: BRUSSEL/WEST
Chair(s): Ulrich, B. [Germany]

MO-PM23-1
FUNCTIONAL MOVEMENT SCREENING TO DETERMINE RISK OF INJURIES AND LOCOMOTOR SKILL PERFORMANCE IN YOUNG TRACK ATHLETES
PUCSOK, J. M. ET AL [HUNGARY]

MO-PM23-2
THE EFFECTS OF POOL BATHING ON INJURY AVOIDANCE AND PERFORMANCE IN YOUTH TRACK AND FIELD ATHLETES
RASCH, T. ET AL [HUNGARY]

MO-SH05 Social sciences: mixed session

LECTURE ROOM: L/SOUTH
Chair(s): Klein, M. [Germany]

MO-SH05-1
WHY DO YOU COME TO PRACTICE? A QUALITATIVE STUDY OF MEMBERSHIP RETENTION IN A GERMAN SPORT-FOR-ALL VOLLEYBALL CLUB
ZAVADSKA, A. ET AL [GERMANY]

MO-SH05-2
ACTIVE HEALTHY KIDS BELGIUM 2016 REPORT ON PHYSICAL ACTIVITY FOR CHILDREN AND YOUTH
SEGHERS, J. ET AL [BELGIUM]

MO-SH05-3
CROSS-NATIONAL RELATIONS BETWEEN THE SOCIAL SIGNIFICANCE OF SPORT AND ECONOMIC DEVELOPMENT IN THE EUROPEAN UNION
NADER, M. [AUSTRIA]
Thursday, July 6th, 2017
15:00 - 16:00

MO-PM25 Exercise and training in disease

LECTURE ROOM: EUROPA/WEST
Chair(s): Aagaard, P [Denmark]
Gaffney, C [United Kingdom]

MO-PM25-1
ENDOTHELIAL FUNCTION AND PHYSICAL ACTIVITY IN HEALTHY VS CORONARY ARTERY DISEASE AND COPD PATIENTS: AN EXPLORATORY STUDY
BERNARDI, E. ET AL [ITALY]

MO-PM25-2
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND PHYSICAL ACTIVITY: A NEW METHOD TO ASSESS EXERCISE LIMITATIONS.
MERLO, C. ET AL [ITALY]

MO-PM25-3
EFFECT OF NEUROMUSCULAR ELECTRICAL STIMULATION TRAINING WITH PULMONARY REHABILITATION ON BALANCE IN PATIENTS WITH COPD
TRABELSI, Y. ET AL [TUNISIA]

MO-PM25-4
IS THERE AN ASSOCIATION OF EARLY REPOLARIZATION SYNDROME WITH MIGRAINE? ATHLETE’S SCREENING TESTS RESULTS
RADZISHEVSKY, E. ET AL [ISRAEL]

MO-PM25-5
FUNCTIONAL STATUS IMPROVES WITH ANGIOTENSIN CONVERTING ENZYMES INHIBITORS PLUS EXERCISE IN HYPERTENSIVE OLDER ADULTS
BAPTISTA, L.C. ET AL [PORTUGAL]

MO-PM25-6
EFFECTS OF 4-MONTH RESISTANCE TRAINING ON PHYSICAL FITNESS IN PANCREATIC CANCER PATIENTS
CLAUS, D. ET AL [GERMANY]

MO-PM25-7
EXERCISE PRESCRIPTION TO IMPROVE CLINICAL PRACTICE ON CANCER PATIENTS SUFFERING CHEMOTHERAPY-INDUCED PERIPHERAL NEUROPATHY UNDERGOING TREATMENT. A SYSTEMATIC REVIEW.
VENDRAMIN, B. ET AL [ITALY]

MO-PM25-8
REGULAR PHYSICAL ACTIVITY IN CHRONIC HEMODIALYSIS PATIENTS: EFFECTS ON DAILY PATTERN OF STEROID HORMONES.
GALLOT, M. ET AL [FRANCE]

MO-PM25-9
BALANCE IMPAIRMENT IN KIDNEY TRANSPLANT RECIPIENTS WITHOUT CONCURRENT PERIPHERAL NEUROPATHY.
GÓBBÖ, S. ET AL [ITALY]

MO-PM25-10
A TAILORED PHYSICAL ACTIVITY INTERVENTION AND EXERCISE PRESCRIPTION TO IMPROVE CLINICAL PRACTICE FOR ONCOHEMATOLOGY INPATIENTS
DUREGON, F. ET AL [ITALY]

MO-PM07 Performance Testing

LECTURE ROOM: DEUTSCHLAND/SOUTH
Chair(s): Zemkova, E [Slovakia]
Wagner, H [Austria]

MO-PM07-1
TEST-RETEST VARIATION AND ENERGY CONTRIBUTION DURING ANAEROBIC CAPACITY TESTING
AREZZOLO, D. ET AL [AUSTRALIA]
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<td>Omura, K. et al. [Japan]</td>
<td>ECSS MetropolisRuhr 2017 - Germany, 5-8 July</td>
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<td>MO-PM04 Coaching and training: mixed session</td>
<td>Hettinga, F. [United Kingdom]; Skorski, S. [Germany]</td>
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<td>Bertschinger, R. et al. [Germany]</td>
<td>MO-PM04-5 [YIA] HIGH INTENSITY INTERVAL TRAINING ELICITS IMPROVEMENTS IN CARDIORESPIRATORY FITNESS WITHIN 31 DAYS IN UROLOGICAL BUT NOT COLORECTAL CANCER PATIENTS PRESENTING FOR SURGERY</td>
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<td>MO-PM04-6 THE EFFECT OF TWO WEEKS SPRINT INTERVAL TRAINING WITH SELF-REGULATED RECOVERY PERIODS ON PARAMETERS OF AEROBIC AND ANAEROBIC FITNESS</td>
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<td>MO-PM05-5 [YIA] EFFECTS OF VOLUNTARY ABDOMINAL BRACING AND HOLLOWING MANEUVERS DURING SWIMMING ON IAP AND PERFORMANCE</td>
<td>Moriyama, S. et al. [Japan]</td>
<td>MO-PM08-3 EFFECT OF 8-WEEK INSPIRATORY MUSCLE TRAINING ON ELITE MALE RUNNERS CHIANS, C.H. ET AL [TAIWAN]</td>
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<td>Kearney, R. et al. [Ireland]</td>
<td>MO-PM08-5 RELATION BETWEEN THERMOREGULATION AND VO2MAX IN MALE ENDURANCE ATHLETES</td>
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<td>Phillips, S.M. et al. [United Kingdom]</td>
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<td>Rocamora, M. [Spain]</td>
<td>MO-PM19-1 EFFECTS OF DIFFERENT EXERCISE MODES ON NEUROPROTECTIVE GROWTH FACTORS AND NEUROCOGNITIVE PERFORMANCE IN OLDER ADULTS WITH MILD COGNITIVE IMPAIRMENT</td>
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<td>Portela, J. et al. [Germany]</td>
<td>MO-PM19-2 EFFECTS OF OPEN- AND CLOSED-SKILL EXERCISE INTERVENTIONS ON EXECUTIVE FUNCTIONS IN OLDER ADULTS</td>
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<td>Carter, S.E. et al. [United Kingdom]</td>
<td>MO-PM19-4 THE USE OF REAL AND IMAGINED TIMED UP AND GO TASKS IN ASSESSING COGNITIVE IMPAIRED OLDER PERSONS</td>
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<td>MO-PM19-5 THE EFFECT OF A CORRECTIVE FUNCTIONAL EXERCISE PROGRAM ON POSTURAL THORACIC KYPHOSIS IN TEENAGERS: A RANDOMIZED CONTROLLED TRIAL</td>
<td>Feng, G. et al. [China]</td>
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<td>Iona, T. et al. [Italy]</td>
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**Thursday, July 6th, 2017**

**15:00 - 16:00**

**MO-PM08 Thermoregulation and respiration**

**Lecture Room:** RHEINLAND/SOUTH

Chair(s): Hettinga, F. [United Kingdom]; Skorski, S. [Germany]

**MO-PM04-2 [YIA] HIGH INTENSITY INTERVAL TRAINING IS A SAFE, EFFICIENT AND EFFECTIVE FORM OF EXERCISE FOR TYPE 1 DIABETES PATIENTS**

Scott, S. [United Kingdom]

**MO-PM04-3 [YIA] HIGH-INTENSITY INTERVAL ECCENTRIC CYCLING TRAINING IMPROVES MUSCLE FUNCTION AND AEROBIC CAPACITY**

Lipski, M. et al. [Australia]

**MO-PM04-4 [YIA] EFFECTS OF A SHORT TERM SPRINT INTERVAL TRAINING ON ENDURANCE CAPACITY AND NEUROMUSCULAR FATIGUE**

Bertschinger, R. et al. [Germany]

**MO-PM04-5 [YIA] HIGH INTENSITY INTERVAL TRAINING ELICITS IMPROVEMENTS IN CARDIORESPIRATORY FITNESS WITHIN 31 DAYS IN UROLOGICAL BUT NOT COLORECTAL CANCER PATIENTS PRESENTING FOR SURGERY**

Blackwell, J.E.M. et al. [United Kingdom]

**MO-PM05 Coaching and training: mixed session**

**Lecture Room:** BERLIN/WEST

Chair(s): Hettinga, F. [United Kingdom]; Skorski, S. [Germany]

**MO-PM05-1 [YIA] THE ATHLETE-OPPONENT RELATIONSHIP ALTERS PACING DECISIONS AND INFORMATION-SEEKING BEHAVIOUR IN 4-KM CYCLING TIME TRIALS**

Konings, M. et al. [United Kingdom]

**MO-PM05-2 EFFECTS OF VOLUNTARY ABDOMINAL BRACING AND HOLLOWING MANEUVERS DURING SWIMMING ON IAP AND PERFORMANCE**

Moriyama, S. et al. [Japan]

**MO-PM05-3 THE PROFILE OF HEART RATE TRAINING ZONES IN NON-ELITE ROWERS ACROSS A WINTER TRAINING PHASE**

Kearney, R. et al. [Ireland]

**MO-PM05-4 CORRELATION BETWEEN HRV AND A NEW TRAINING LOAD QUANTIFICATION MODEL**

Rocamora, M. [Spain]

**MO-PM05-5 PASSING PERFORMANCE IN RELATION TO TRAINING LOAD AMONG YOUNG TALENTED SOCCER PLAYERS**

Portela, J. et al. [Germany]

**MO-PM05-6 THE EFFECT OF TWO WEEKS SPRINT INTERVAL TRAINING WITH SELF-REGULATED RECOVERY PERIODS ON PARAMETERS OF AEROBIC AND ANAEROBIC FITNESS**

Phillips, S.M. et al. [United Kingdom]

**MO-PM05-7 PHYSIOLOGICAL ADAPTATIONS OF AN 8-WEEK SUPRAMAXIMAL INTERMITTENT RUNNING TRAINING IN ELITE PROFESSIONAL SOCCER PLAYERS**

Gonçalves Ortiz, J. [Brazil]

**MO-PM05-8 EVIDENCE OF DISTURBED SLEEP IN ELITE RUGBY SEVENS PLAYERS DURING HIGH TRAINING LOADS**

Leduc, C. et al. [France]
Mini-Oral Presentations

MO-PM28-6
ENERGY EXPENDITURE DURING FUNCTIONAL ELECTRICAL STIMULATION LEG CYCLING IN PEOPLE WITH SPINAL CORD INJURY: EFFECT OF ADDITIONAL MUSCLE RECRUITMENT
JANSEN, T.W.J. ET AL [NETHERLANDS]

MO-PM28-7
MUSCLE ACTIVATION DURING COMMON REHABILITATION EXERCISES FOR SHOULDER IMPINGEMENT SYNDROME: A KINETIC CHAIN APPROACH
MCMAHON, J. ET AL [UNITED KINGDOM]

MO-PM28-8
SHOULDER AND ELBOW INJURY PREDICTION IN OVERHEAD ATHLETES WITH SCAPULAR DYSKINESIS TEST AND KERLEN-JOBE ORTHOPEDIC CLINIC SCORES
TSURUKE, M. ET AL [UNITED STATES]

MO-PM12 Coaching: Tennis and golf

LECTURE ROOM: BRÜSSEL/WEST Chair(s): Wiewelhove, T. [Germany]

MO-PM12-1
SERVICE GAME DEVELOPMENTS IN MENS WORLD CLASS TENNIS AT WIMBLEDON FROM 2002 TO 2015
GRAMBOW, R. ET AL [GERMANY]

MO-PM12-2
WHAT TO PRACTICE? APPROACHING SERVE-BEHAVIOURAL IMPACT FACING BREAK POINTS IN WORLD-CLASS MENS TENNIS AT WIMBLEDON 2016
MEFFERT, D. ET AL [GERMANY]

MO-PM12-3
SERVICE CHARACTERISTICS IN ELITE JUNIOR TENNIS PLAYERS OF DIFFERENT SEX AND AGE GROUPS
GATZKE, D. ET AL [GERMANY]

MO-PM12-4
RELATIONSHIP BETWEEN THE YO-YO INTERMITTENT RECOVERY TEST LEVEL 1 AND THE TENNIS SPECIFIC HIT AND TURN TEST TO TENNIS PERFORMANCE
ULBRICHT, A. ET AL [GERMANY]

MO-PM12-5
TO EXAMINE THE RELATIONSHIP BETWEEN GOLF ABILITY AND PHYSICAL AND MOTORIC PERFORMANCE IN SCHOOL CHILDREN
ODABAS, I. ET AL [TURKEY]

MO-SH06 Physical education and pedagogics

LECTURE ROOM: L/SOUTH Chair(s): Raeder, C. [Germany]

MO-SH06-1
A STATUS QUO ANALYSIS ON RACKET SPORTS TEACHING IMPLEMENTATIONS IN GERMAN PRIMARY SCHOOLS
HOFFMANN, D. ET AL [GERMANY]

MO-SH06-2
NEUROMOTOR EXERCISE PROGRAM FOR CHILDREN INCREASES MENTAL AGE
Reilly, E. ET AL [UNITED STATES]

MO-SH06-3
THE JOINT PLANNING BETWEEN TEACHER AND STUDENT IN THE CHILDREN SPORT PROGRAM
REZENDE, D. [BRAZIL]

MO-SH06-4
DEVELOPMENT OF AN EASY TO APPLY ASSESSMENT TOOL FOR PRE-SWIMMING SKILLS – A METHODO APPROACH IN (PRE) SCHOOL CHILDREN
STAUB, I. [GERMANY]

MO-SH06-5
PRESCHOOL MORTAL COMPETENCE AND ADOLESCENT PHYSICAL ACTIVITY: IS THERE AN ASSOCIATION?
VENETSANOU, F. ET AL [GREECE]

MO-SH06-6
ASSESSMENT OF SPORT INJURY PREVENTION MEASURES IN SCHOOLS WITH REGARD TO THEIR EFFECTIVENESS, APPLICABILITY AND ACCEPTANCE BY PHYSICAL EDUCATION TEACHERS AND PHYSIOTHERAPISTS
DIERICH, S. ET AL [GERMANY]

MO-SH06-7
PROGRESSIVE MUSCLE STRENGTHENING PROGRAM ON THE DEVELOPMENT OF UPPER LIMB STRENGTH IN PEOPLE DIAGNOSED WITH FIBROMYALGIA
MAESTRE-CASCALES, C. ET AL [SPAIN]

MO-SH06-8
THE INFLUENCE OF CONTRALATERAL HIP BENDING ON KNEE VALGUS ANGLE AND THE ACTIVITIES OF ABDOMINAL AND HIP ABDUCTOR MUSCLES DURING SINGLE-LEG SQUATS
ASO, T. ET AL [JAPAN]

MO-SH06-9
EFFECTS OF ISOLATED GLUTEAL MUSCLE FATIGUE ON KNEE VALGUS DURING A RUNNING TASK: IMPLICATIONS FOR INJURY AND COACHING
CONNOR, L. ET AL [UNITED KINGDOM]

MO-PM09 Training and testing: Football

LECTURE ROOM: EUROPA/WEST Chair(s): Gollhofer, A. [Germany]

MO-PM09-1
RELATIONSHIPS BETWEEN MATCH STATISTICS AND TEAM’S MATCH PERFORMANCE IN THE GROUP STAGE OF UEFA CHAMPIONS LEAGUE FROM 2009 TO 2017
YI, Q. [SPAIN]

MO-PM09-2
MATCH OUTCOME, PLAYING POSITIONS AND DISTANCES COVERED AT VARIOUS SPEEDS IN MATCH PLAY BY ELITE GERMAN SOCCER PLAYERS
CHMURA, P. ET AL [POLAND]

MO-PM09-3
COMPARISON OF MATCH ACTIVITIES OF PROFESSIONAL AND NON-PROFESSIONAL SOCCER REFEREES
JAKOB, S. ET AL [GERMANY]

MO-PM09-4
RARITY AND DIFFICULTY OF BALL POSSESSION SKILL IN SOCCER
YAMADA, H. ET AL [JAPAN]

MO-PM09-5
SPEED OF THOUGHT AND SPEED OF FEET: THE ANALYSIS OF PERCEPTUAL-COGNITIVE EXPERTISE AND SPRINT ABILITY IN ACADEMY FOOTBALL PLAYERS
KELLY, A. L. ET AL [UNITED KINGDOM]
MO-PM09.6  BEGINNER GOALKEEPERS’ PREDICTIONS IN THE FAKE MOVEMENTS OF THE PENALTY KICK.
INOUÉ, Y. ET AL [JAPAN]

MO-PM09.7  LOCATION AND OCCURRENCE OF JOINT AND MUSCULOSKELETAL PAIN IN FOOTBALL GOALKEEPERS DURING A 5-DAY TRAINING CAMP.
KAIVCZYNSKI, A. ET AL [POLAND]

MO-PM09.8  AN INVESTIGATION INTO ENGLISH PREMIER LEAGUE YOUTH SOCCER MAXIMUM VOLUNTARY FORCE, EFFECTS OF CURRENT TRAINING PRACTICES AND COMPARISON TO A CONTROL GROUP.
BROWNLEE, T. ET AL [UNITED KINGDOM]

MO-PM20 Nutrition: mixed session
LECTURE ROOM: DEUTSCHLAND/SOUTH
Chair(s): Wardenaar, F. [Netherlands] Oertzen-Hagemann, V. [Germany]

MO-PM20.1  FAVORABLE SUPPLEMENTAL FOODS DURING SUMMER TRAINING CAMP IN ADOLESCENT JAPANESE RUGBY PLAYERS.
NAGAYAMA, C. ET AL [JAPAN]

MO-PM20.2  PROJECT SPRAOI: NUTRITIONAL KNOWLEDGE AND DIETARY PATTERNS OF CORK SCHOOL CHILDREN.
MERRITSTY, A. ET AL [IRELAND]

MO-PM20.3  EFFECT OF XBOX ACTIVE VIDEO GAME AND NUTRITION EDUCATION INTERVENTION ON WEIGHT CONTROL, FITNESS AND THE CARDIOVASCULAR DISEASE RISK FACTORS IN OVERWEIGHT AND OBESE ADOLESCENT GIRL.
LEE, P.C. ET AL [TAIWAN]

MO-PM20.4  A POST WORKOUT BLEND BEEF AND WHEY PROTEIN BEVERAGE PROMOTE BETTER BODY COMPOSITION CHANGES THAN INGESTED ONLY CARBOHYDRATE IN CROSS COUNTRY RUNNING ATHLETES.
MORENO-PÉREZ, D. ET AL [SPAIN]

MO-PM20.5  GLUCOSE-FRUCTOSE INGESTION INTERACT WITH MUSCLE LACTATE METABOLISM DURING TRAINING SESSIONS.
ROSET, R. ET AL [SWITZERLAND]

MO-PM20.6  EFFECT OF ERGOGENIC AID HMB SUPPLEMENT ON SIGNAL TRANSDUCTION PATHWAY DURING OSTEOCLAST PRECURSOR FORMATION.
WEI HUANG, CHIH-LI UN2, HONG-CHIANG HSU3, YAO-HUANG KUO, CHEN-KANG CHANG1 [TAIWAN]

MO-PM20.7  EFFECTS OF RAPID WEIGHT LOSS ON PERFORMANCE IN RUNNERS.
TAKEI, R. ET AL [JAPAN]

MO-PM20.8  INFLUENCE OF A 9-DAY MICIC OF PALEOLITHIC LITHIC LIFESTYLE ON METABOLIC GLUCOSE UTILIZATION IN YOUNG HEALTHY PEOPLE HOLDER, J. ET AL [GERMANY]

MO-PM20.9  EFFECTS OF A 10 DAY PALEOLITHIC DIET INTERVENTION ON SUBMAXIMAL ENDURANCE PERFORMANCE AND ENERGY SUPPLY IN RECREATIONAL ATHLETES.
BROECKL, F. ET AL [GERMANY]

MO-PM11 Training and testing in various sports
LECTURE ROOM: PANORAMA/WEST
Chair(s): Tschan, H. [Austria]

MO-PM11.1  SEASONAL VARIATIONS OF LACTATE KINETICS IN ALPINE SKIERS.
HOSHINO, H. ET AL [JAPAN]

MO-PM11.2  ENERGY COST OF CONSTANT-SPEED RUNNING – ARE THERE DIFFERENCES REGARDING TYPE OF SPORT AND SEX?
VENZKE, J. ET AL [GERMANY]

MO-PM11.3  POSTURAL EVALUATION IN A GROUP OF ARTISTIC ROLLER SKATING ATHLETES.
NART, A. ET AL [ITALY]

MO-PM11.4  SHAKING THE HANDS ENHANCES INTERMITTENT HANDGRIP PERFORMANCE IN ROCK CLIMBERS.
BALAS, J. ET AL [CZECH REPUBLIC]

MO-PM11.5  EFFECT OF BELAY TRAINING WITH A GRIGRI ON EXECUTION OF THE BRAKE HAND PRINCIPLE IN UNEXPERIENCED BELAYERS.
MATIAS SANTOS, V.M. ET AL [GERMANY]

MO-PM11.6  SPEED AND JUMPING HEIGHT DISCRIMINATE BETWEEN FENCERS OF DIFFERENT PERFORMANCE LEVEL, AGE AND SEX, BUT NOT BETWEEN ELITE Fencers.
MENZT, L. ET AL [GERMANY]

MO-PM11.7  ACTIN3 GENE POLYMORPHISM MAY PLAY A ROLE TO DETERMINE THE DURATION OF JUDO MATCHES.
ITAKA, T. ET AL [JAPAN]

MO-PM11.8  INTENSITY AND ENERGY EXPENDITURE DURING THE DAKAR RALLY SPECIAL STAGE AT ALTITUDE 3500 - 4200 METERS IN ELITE OFF-ROAD RALLY ATHLETES.
ZELENKOVA, I. ET AL [RUSSIA]

MO-PM11.9  PHYSICAL FITNESS OF WOMEN AND THEIR ABILITY TO PASS AN ENTRY LEVEL FIRE FIGHTER TEST.
WILLIPO, H. ET AL [UNITED STATES]

MO-PM21 Injuries: risk factors, incidence and prevention
LECTURE ROOM: BERLIN/WEST
Chair(s): Hopkins, W. [Australia] Fedorov, P. [Australia]

MO-PM21.1  SEX-SPECIFIC CHANGES IN MUSCLE FIBER AREA AND MYONUCLEAR CONTENT IN RESPONSE TO 10 WEEKS OF STRENGTH TRAINING.
CUMMING, K.T. ET AL [NORWAY]

MO-PM21.2  INJURIES IN 17-19 YEAR-OLD MALE AMATEUR SOCCER PLAYERS.
ACKERMANN, S. ET AL [GERMANY]

MO-PM21.3  THE EFFICACY OF INJURY PREVENTION WARM-UP PROGRAM FOR WOMEN HANDBALL PLAYERS.
MASHIMO, S. ET AL [JAPAN]

MO-PM21.4  MUSCLE INJURIES AT DIFFERENT AGES IN AMATEUR FOOTBALL PLAYERS.
FERRARI, P. ET AL [ITALY]

MO-PM21.5  VIDEO ANALYSIS OF TACKLING SITUATION IN WHICH CERVICAL INJURIES HAPPENED.
SUZUKI, K. ET AL [JAPAN]

MO-PM21.6  HEAD INJURIES IN PROFESSIONAL MALE FOOTBALL – LOWER INCIDENCE RATES AFTER ALTERATION OF A RULE.
BEAUDOUIN, F. ET AL [GERMANY]

MO-PM21.7  HEAD INJURIES IN PROFESSIONAL MALE FOOTBALL – LOWER INCIDENCE RATES AFTER ALTERATION OF A RULE.
BEAUDOUIN, F. ET AL [GERMANY]

MO-PM21.8  MUSCLE INJURIES AT DIFFERENT AGES IN AMATEUR FOOTBALL PLAYERS.
FERRARI, P. ET AL [ITALY]

MO-PM24 Molecular biology and biochemistry
LECTURE ROOM: RHEINLAND/SOUTH
Chair(s): Mougios, V. [Greece] Wessner, B. [Austria]

MO-PM24.1  SEX-SPECIFIC CHANGES IN MUSCLE FIBER AREA AND MYONUCLEAR CONTENT IN RESPONSE TO 10 WEEKS OF STRENGTH TRAINING.
CUMMING, K.T. ET AL [NORWAY]
Mini-Oral Presentations

**Mini-Oral Presentations**

**MO-PM24-2**
Satellite cells proliferative activity in elite kayakers
Morawin, B. et al. [Poland]

**MO-PM24-3**
Role of Sirtuin related micro-RNAs in over-load-induced hypertrophy of skeletal muscle in rat
Koitai, E. et al. [Hungary]

**MO-PM24-4**
Effect of bright light exposure before sleep on urinary metabolites in humans
Nakamura, Y. et al. [Japan]

**MO-PM24-5**
Hydrogen water suppresses skeletal muscle and liver glycogenolysis during exercise while does not affect oxidative stress, blood energy substrate and endurance performance in rats
Kawamura, T. et al. [Japan]

**MO-PM24-6**
Effect of intense training on mucosal immunity in prepuberal rhythmic gymnasts
Antualpa, K. et al. [Brazil]

**MO-PM24-7**
Muscle function

**Lecture Room: Mailand/West**
Chair(s): Nosaka, K. [Australia] McPhee, J. [United Kingdom]

**MO-PM27-1**
Optimum portion of force-displacement curve to assess muscle hardness with a push-in meter
Muraiyama, M. et al. [Japan]

**MO-PM27-2**
Lower extremity muscle co-contraction characteristics during different plane of lunges in healthy individuals
Dai, Y.X. et al. [Taiwan]

**MO-PM27-3**
The study of upper quarter functional stability in deaf elite male swimmers
Kawashima, M. et al. [Japan]

**MO-PM27-4**
Gender effect on bilateral impact force and impact time during plyometric jumping with relative height
Gu, C. [Taiwan]

**MO-PM27-5**
Changes in biceps brachii muscle hardness assessed by ultrasound strain elastography after eccentric exercise of the elbow flexors
Inami, T. et al. [Australia]

**MO-PM27-6**
Effects of acute local heating/cooling on relationships between muscle hardness, muscle tightness and range of motion at biceps femoris

**MO-PM26-7**
Local continuous knee-cooling affects functional hop performance
Tassignon, B. et al. [Belgium]

**MO-PM26-8**
Comparison with the standards to analyse physical improvements after FaM-LVd NeuroMotor Training Program
Roldan, A. et al. [Spain]

**MO-PM26-9**
Association of physiological changes in older taxi drivers with motor vehicle accident incidence
Lau, L.K. et al. [Singapore]

**MO-SH01-1**
Sedentary time in German primary school children
AXIAL ACCELEROMETRY
BENITÉZ-PORRES, J. ET AL [SPAIN]
MO-SH01-3
MO-SH01-4
BLOOD VALUES AND AEROBIC POWER IN SIX-YEAR OLD CHILDREN MAMEN, A. ET AL [NORWAY]
MO-SH01-5
PARTICIPATION IN COMMUNITY-BASED HEALTH PROMOTION PROGRAMS HAS BENEFICIAL EFFECTS ON BODY COMPOSITION AND FITNESS IN EARLY CHILDHOOD FERRARI, N. ET AL [GERMANY]
MO-SH01-6
MOTOR COMPETENCE ASSESSMENT. FIRST RESULTS FROM A NOVEL ASSESSMENT INSTRUMENT. RODRIGUES, L.P. ET AL [PORTUGAL]
MO-SH01-7
THE COMPARISON OF PREDICTIVE MOTOR CONTROL LEARNING IN DEVELOPMENTAL COORDINATION DISORDER AND TYPICALLY DEVELOPING CHILDREN AHMADI, M. ET AL [IRAN]
MO-SH01-8
DEVELOPMENTAL STUDY OF FUNDAMENTAL MOVEMENT AMONG PRESCHOOL CHILDREN PLAYING HOPSCOTCH SAGAKI, R. ET AL [JAPAN]
MO-SH01-9
CORRELATION BETWEEN THE OBSTRUCTIVE SLEEP APNEA SYNDROME, PHYSICAL PERFORMANCE AND PHYSICAL ACTIVE AND INACTIVE LEISURE TIME ACTIVITIES IN JUVENILE OBESITY RUSWEG, S. ET AL [GERMANY]

**Friday, July 7th, 2017**

**MO-SH02 Sports in society: Mixed session**

LECTURE ROOM: M/SOUTH Chairs: McCuaig, L. [Australia]

**MO-SH02-1**

THE ROLE OF HOSTING SPORT EVENTS ON URBAN DEVELOPMENT HEMATI-MORADABADI, J. ET AL [IRAN]

**MO-SH02-2**

SPORT AS A CHANCE FOR PUBLIC GERMAN TV WERTH, M. [GERMANY]

**MO-SH02-3**

PSYCHOPHYSIOLOGICAL EVALUATIONS ON CARDIOVASCULAR RESPONSE WHILE WATCHING DIFFERENT SKILL-LEVEL KENDO GAMES HOSHINO, S. [JAPAN]

**MO-SH02-4**

ANTICIPATION AND EXPERTISE IN E-SPORTS PLAYERS KIM, H. [UNITED STATES]

**MO-SH02-5**

EFFECT OF 16 WEEKS OF SUPERVISED FARTLEK-TRAINING PROGRAM ON PERCEIVED WELLNESS OF UNIVERSITY STUDENTS OF SAUDI ARABIA ANTONY, V.C. ET AL [SAUDI ARABIA]

**MO-SH02-6**

COACHES’ PERSPECTIVES ON THE USE AND EFFECTIVENESS OF EXERCISE AS PUNISHMENT KERR, G. ET AL [CANADA]

**MO-PM16 Training and testing in various sports**

LECTURE ROOM: EUROPA/WEST Chairs: Granacher, U. [Germany]

**MO-PM16-1**

THE ACUTE HORMONAL AND PHYSIOLOGICAL RESPONSE TO KETTLEBELL SWINGS DIFFERS DEPENDING ON LOAD, WHEN TOTAL WORK IS HELD CONSTANT RAYMOND, L. ET AL [UNITED KINGDOM]

**MO-PM16-2**

FORCES AND POSITIONS IN SUSPENSION LUNGE EXERCISE AGUILERA-CASTELLS, J. ET AL [SPAIN]

**MO-PM16-3**

PEAK POWER OUTPUTS DURING TRUNK ROTATIONS OCCUR AT LIGHT TO MODERATE WEIGHS, DEPENDING ON SPORTS SPECIALIZATION OF ATHLETES ZEMKOVA, E. ET AL [SLOVAKIA]

**MO-PM16-4**

ASSESSMENT OF LOWER BODY AND ABDOMINAL STRENGTH IN PROFESSIONAL SOCCER PLAYERS MICHAELIDES, M. [CYPRUS]

**MO-PM16-5**

THE EFFECTS OF HIGH-INTENSITY TREADMILL RUNNING PROTOCOL ON SPEED PERFORMANCE IN HURDLE ATHLETES YI-CHI, W. [TAIWAN]

**MO-PM16-6**

RELATIONSHIP BETWEEN AFFECTIVE STATES AND PHYSIOLOGICAL STRESS AFTER MODERATE AND EXHAUSTIVE EXERCISE SUDD, M. ET AL [JAPAN]

**MO-PM16-7**

RELATIONSHIPS BETWEEN VARIOUS AEROBIC FACTORS DURING AND AFTER MAXIMAL EXERCISE IN ELITE ATHLETES YAMAGISHI, T. ET AL [JAPAN]

**MO-PM16-8**

GLOMERULAR FILTRATION RATE AND MILITARY PHYSICAL ACTIVITY DURING “2012 BRAZILIAN COMANDOS COURSE” ROLIM FILHO, N. ET AL [PORTUGAL]

**MO-PM16-9**

RELATIONSHIPS BETWEEN VARIOUS AEROBIC FACTORS DURING AND AFTER MAXIMAL EXERCISE IN ELITE ATHLETES YAMAGISHI, T. ET AL [JAPAN]

**MO-PM29 Hypoxia and blood flow restriction**

LECTURE ROOM: PANORAMA/WEST Chairs: Baudry, S. [Belgium] Donath, L. [Switzerland]

**MO-PM29-1**

THE CONTROL OF THE NORMOBARIC HYPOXIA INTENSITY IN OLDER AND YOUNG PEOPLE LICTENSTEIN, E. ET AL [SWITZERLAND]

**MO-PM29-2**

RESISTANCE TRAINING WITH BLOOD FLOW RESTRICTION PROMOTES INCREASE MUSCLE MASS AND STRENGTH IN PEOPLE LIVING WITH HIV/AIDS ALVES, T.C. ET AL [BRAZIL]

**MO-PM29-3**

THE EFFECT OF ACUTE OCCLUSION BURDEN ON MUSCLE-SPECIFIC MIRCORNAs AND CONTEXTUAL GENE EXPRESSION PROFILE IN THIGH EXTERNAL MUSCLE TORMA, F. ET AL [HUNGARY]

**MO-PM18 Ageing: Balance and stability**

LECTURE ROOM: M/SOUTH/WEST Chairs: McCuaig, L. [Australia]

**MO-PM18-1**

VALIDITY AND RELIABILITY OF A NOVEL INTEGRATIVE MOTOR PERFORMANCE TESTING AND TRAINING COURSE FOR SENIORS: THE “AGILITY CHALLENGE IN THE ELDERLY” LICHTENSTEIN, E. ET AL [SWITZERLAND]

**MO-PM18-2**

MUSCLE QUALITY IN FRAIL ELDERLY INDIVIDUALS DETERMINED BY COMPUTED TOMOGRAPHY BREIT, M. ET AL [NORWAY]

**MO-PM18-3**

THE EFFECTS OF FALL HISTORY ON KINETIC SYNERGY DURING WALKING YAMAGATA, M. ET AL [JAPAN]
Mini-Oral Presentations

MO-PM18-4
POSTURAL STRATEGY ADOPTED DURING PROLONGED UPRIGHT STANDING DIFFERS BETWEEN YOUNG AND OLDER ADULTS BOOGHS, C. ET AL [BELGIUM]

MO-PM18-5
BIOMECHANICAL ANALYSIS OF ONE-LEGGED HOP TO STAND MOVEMENTS HOFFMANN, M. ET AL [GERMANY]

MO-PM18-6
REACTIVE POSTURAL CONTROL BY NON-TRIPPED LEG IN RESPONSE TO TRIPPED LEG BEHAVIOR AFTER A TRIP NAKAZIMA, T. ET AL [JAPAN]

MO-PM18-7
AGE-RELATED CHANGES IN REACTIVE MOTOR RESPONSES TO ACHILLES TENDON VIBRATIONS IN AN INHIBITORY STEPPING REACTION TIME TASK MAGNARD, J. ET AL [FRANCE]

MO-PM22 Injuries in the lower limb
LECTURE ROOM: BERLIN/WEST
Chair(s): Hagen, M. [Germany]

MO-PM22-1
ANTERIOR CRUCIATE LIGAMENT CREEP AFFECTS NEUROMUSCULAR PERFORMANCE IN HEALTHY SOCCER PLAYERS NUCCIO, S. ET AL [ITALY]

MO-PM22-2
THE FUNCTIONAL CHARACTERISTICS IN FEMALE ATHLETES WITH/WITHOUT FEAR OF RE-INJURY AFTER ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION SATOH, M. ET AL [JAPAN]

MO-PM10 Training and testing: Basketball and rugby
LECTURE ROOM: RHEINLAND/SOUTH
Chair(s): Holmberg, H. [Sweden]

MO-PM10-1
PERFORMANCE PREDICTORS IN ELITE FEMALE BASKETBALL PLAYERS TORRES-UNDA, J. ET AL [SPAIN]

MO-PM10-2
REACTIVE POSTURAL CONTROL BY NON-TRIPPED LEG IN RESPONSE TO TRIPPED LEG BEHAVIOR AFTER A TRIP NAKAZIMA, T. ET AL [JAPAN]

MO-PM10-3
ILIOITIBIAL BAND STRAIN IS AFFECTED BY SEX AND POSITION KIM, D. ET AL [JAPAN]

MO-PM10-4
THE ASSOCIATION BETWEEN TRANSVERSE ARCH AND INJURY OF ANKLE OR KNEE IN COLLEGE SOCCER PLAYERS NAOKAYAMA, Y. ET AL [JAPAN]

MO-PM10-5
THE DEVELOPMENT OF DYNAMIC KNEE ALIGNMENT AFTER BALANCE AND JUMP TRAININGS TO PREVENT ANTERIOR CRUCIATE LIGAMENT INJURY GOHDA, Y. ET AL [JAPAN]

MO-PM10-6
INVESTIGATING PHYSICAL FITNESS AS DETERMINANTS FOR THE ACL INJURY RISK IN FEMALE BASKETBALL PLAYER KAGAYA, Y. ET AL [JAPAN]

MO-PM10-7
THE EFFECT OF A NOVEL DYNAMIC TAPE ON PERFORMANCE IN INDIVIDUALS WITH CHRONIC ANKLE INSTABILITY KODESH, E. [ISRAEL]

MO-PM10-8
THE EFFECT OF CONCURRENT SPECIFIC STRENGTH AND REPEATED SPRINT TRAINING ON IGF-1 CONCENTRATIONS IN FUTSAL PLAYERS EFFECT OF INTRA-SESSION EXERCISE SEQUENCE PHONOSIRI, K. ET AL [THAILAND]

MO-PM10-9
THE EFFECT OF PRIOR TRAINING LOAD ON ENDOCRINOLOGICAL AND OXIDATIVE DAMAGE MARKERS IN TEAM SPORT PLAYERS SLATTERY, K. ET AL [AUSTRALIA]

MO-PM13 Coaching: Team sports
LECTURE ROOM: NEW YORK/WEST
Chair(s): Tschans, H. [Austria]

MO-PM13-1
QUANTITATIVE MEASURED CHANGES OF PLAY BY LIMITED RULES - FROM CHILDREN’S BALL PASSING GAMES – TAZUKA, S. ET AL [JAPAN]

MO-PM13-2
COMPETITION DYNAMICS OF DEFENDER VERSUS ATTACKER IN 1 VS. 1 TSUTSUI, K. ET AL [JAPAN]

MO-PM13-3
PLAYER ROTATION FACTORS AND INDIVIDUAL CHARACTERISTICS INFLUENCE PHYSICAL AND TECHNICAL PERFORMANCE IN PROFESSIONAL AUSTRALIAN RULE FOOTBALL COULTS, A. ET AL [AUSTRALIA]

MO-PM13-4
THE ROLE OF BODY COMPOSITION ON ATHLETIC PERFORMANCE IN MALE AUSTRALIAN LACROSSE PLAYERS HAUSER, R. ET AL [AUSTRIA]

MO-PM13-5
BONE MINERAL DENSITY OF ELITE LEVEL KENYAN MALE AND FEMALE RUNNERS: PRELIMINARY DATA FROM RED-S STUDY MOOSES, M. ET AL [ESTONIA]

MO-PM13-6
FACTORS RELATED TO CALCANEAL BONE DENSITY IN WORLD-CLASS RACERWALKERS GOMEZ-EZEBITA, J. ET AL [SPAIN]

MO-PM13-7
BONE MINERAL DENSITY OF ELITE LEVEL MALE AND FEMALE runnERS: PRELIMINARY DATA FROM RED-S STUDY MOOSES, M. ET AL [ESTONIA]

MO-PM13-8
BONE MINERAL DENSITY OF ELITE LEVEL KENYAN MALE AND FEMALE RUNNERS: PRELIMINARY DATA FROM RED-S STUDY MOOSES, M. ET AL [ESTONIA]

MO-PM13-9
DO AGE AND SEX MODERATE THE PREDICTABILITY OF BMI ON THE FUTURE ONSET OF OBESITY AND BONE: mixed session
LECTURE ROOM: MAILAND/WEST
Chair(s): Kreuzpointner, F. [Germay]

MO-PM17-1
BONE MINERAL DENSITY OF ELITE LEVEL KENYAN MALE AND FEMALE RUNNERS: PRELIMINARY DATA FROM RED-S STUDY MOOSES, M. ET AL [ESTONIA]

MO-PM17-2
COMPUTER SIMULATION OF THE INFLUENCE OF REPEATED SPRINT TRAINING ON THE DEVELOPMENT OF SPRINT PERFORMANCE NAOKA, T. ET AL [JAPAN]

MO-PM17-3
COMPUTER SIMULATION OF THE INFLUENCE OF REPEATED SPRINT TRAINING ON THE DEVELOPMENT OF SPRINT PERFORMANCE NAOKA, T. ET AL [JAPAN]

MO-PM17-4
COMPUTER SIMULATION OF THE INFLUENCE OF REPEATED SPRINT TRAINING ON THE DEVELOPMENT OF SPRINT PERFORMANCE NAOKA, T. ET AL [JAPAN]

MO-PM17-5
COMPUTER SIMULATION OF THE INFLUENCE OF REPEATED SPRINT TRAINING ON THE DEVELOPMENT OF SPRINT PERFORMANCE NAOKA, T. ET AL [JAPAN]

MO-PM17-6
COMPUTER SIMULATION OF THE INFLUENCE OF REPEATED SPRINT TRAINING ON THE DEVELOPMENT OF SPRINT PERFORMANCE NAOKA, T. ET AL [JAPAN]

MO-PM17-7
COMPUTER SIMULATION OF THE INFLUENCE OF REPEATED SPRINT TRAINING ON THE DEVELOPMENT OF SPRINT PERFORMANCE NAOKA, T. ET AL [JAPAN]

MO-PM17-8
COMPUTER SIMULATION OF THE INFLUENCE OF REPEATED SPRINT TRAINING ON THE DEVELOPMENT OF SPRINT PERFORMANCE NAOKA, T. ET AL [JAPAN]

MO-PM17-9
COMPUTER SIMULATION OF THE INFLUENCE OF REPEATED SPRINT TRAINING ON THE DEVELOPMENT OF SPRINT PERFORMANCE NAOKA, T. ET AL [JAPAN]
**MO-PM30 Assessment and promotion of PA**

**Lecture Room:** Brussels/West

Chair(s): Thiel, C. [Germany]

**MO-PM30-1**

The Assessment of Physical Activity Among Adults in Korea

Ko, B. et al. [Korea, South]

**MO-PM30-2**

Screening for physical exercise in unsupervised training.

Takito, M. Y. et al. [Brazil]

**MO-PM30-3**

Effects of a 12-week Pedometer-based Workplace Intervention on Health Parameters — A Pilot Study

Luetkemeier, L. et al. [Germany]

**MO-SH03 Sport psychology and cognition**

**Lecture Room:** L/South

Chair(s): Plessner, H. [Germany]

Gerber, M. [Switzerland]

**MO-SH03-1**

Visual Search and Tactical Behaviours of Offensive Soccer Players

Bagatin, R. T. et al. [Portugal]

**MO-SH03-2**

The Relationship Between Different Methods of Trainings and Executive Function in Junior Soccer Players

Sakamoto, S. [Japan]

**MO-SH03-3**

Cognitive and Motivational Functions of Self-talk in Elite Athletes: Gender and Sports Types

Hatawi, F. et al. [Iran]

**MO-SH03-4**

Neural Correlates of Temporal Dynamics of Cognitive Control in Badminton Players

Lin, C. C. et al. [Taiwan]

**MO-SH03-5**

A Neurobehavioral Approach on Inhibitory Control in Racket vs. Team Sports Athletes

Soega, K. et al. [Japan]

**MO-SH03-6**

Effect of Consistent Preparation Behavior in Basketball Free Throw

Nagata, N. [Japan]

**MO-SH03-7**

Behavioural Observation Form — A Practice-driven Approach to Assess Psychological Characteristics of Boxing Talents

Walter, N. et al. [Germany]

**MO-SH03-8**

Coping with Stress and Injury in Competitive Powerlifting

Pavelic, M. et al. [Finland]

**MO-SH03-9**

The Effect of Aerobic Fitness on Feature Binding Processing During Working Memory in Male Young Adults

Lin, J. T. et al. [Taiwan]

**MO-SH03-10**

The Effect of Aerobic Fitness on Response Variability and Post-response Conflict Processing in the Stroop Task

Chang, K. Y. et al. [Taiwan]

**MO-SH04 Leisure activity and health**

**Lecture Room:** M/South

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

**MO-SH04-1**

A Big Data Analysis Perspective: The Quantity and Quality of Structured Exercise Within Health and Wellness Clubs

Benvenuti, P. et al. [Italy]

**MO-SH04-2**

User Behaviour Analysis of Outdoor Fitness Equipment

Wu, D. R. et al. [Taiwan]

**MO-SH04-3**

Physical Activity Levels in Healthy University Students

Kuno-Mizumura, M. et al. [Japan]

**MO-SH04-4**

Effects of Shuttlemash Kicking on Body Composition in Perimenopausal Females

Ding, H. [China]

**MO-SH04-5**

Benefit Effects of 6-Hydroxymelatonin Sulphate and Sleep Quality by Fitness Qigong in Middle-Age Women

Huang, L. [China]

**MO-SH04-6**

Effects of Outdoor Activities on the Sense of Spirituality Examined from Differences Between Outdoor Activities and Competitive Sports

Kui, H. M. et al. [Japan]

**MO-BN3 Technology and methods**

**Lecture Room:** N/South

Chair(s): Schmidt, M. [Germany]

**MO-BN3-1**

The Effect of Contact Angle on Varying Electronic Body Protector in Side Kicks

Peng, Y. C. et al. [Taiwan]

**MO-BN3-2**

The Effect of Side Kicks on Different Area of Electronic Body Protector

Liu, T. T. et al. [Taiwan]

**MO-BN3-3**

Validity and Reliability of Delsys Trigno Wireless Sensor Compared to 3-d Motion Capture System When Detecting Joint Angles

Ho, H. Z. et al. [Taiwan]

**MO-BN3-4**

An Analysis of Performing Times in Everyday Life Movements Through-out Life

Espinosa-Sanchez, M. [Mexico]

**MO-BN3-5**

Investigation Movement Coordination and Outcome Performance of Air Pistol Shooting

Chen, H. H. et al. [Taiwan]
CP-PM05 Training and testing in various sports 1
Lecture room: GROUND LEVEL/WEST Chairs: Tschán, H. [Austria]

CP-PM05-1 MAPPING THE ECOLOGICAL VALIDITY OF EQUINE GAIT ANALYSIS: A REVIEW OF LITERATURE 1978 – 2015
Egan, S. et al [Ireland]

CP-PM05-2 EQUESTRIAN BALANCE
Delemarre, S. et al [Netherlands]

CP-PM05-3 ACUTE EFFECTS OF STATIC VS. BALLISTIC STRETCHING ON H/Q RATIO BETWEEN BALLET DANCERS AND RESISTANCE TRAINED WOMEN. Lina, C.D. et al [Canada]

CP-PM05-4 PREVALENCE OF CHEERLEADING INJURY IN KOREAN CLUB SPORTS YOUNG CHEERLEADERS
Yun, S. et al [Korea, South]

CP-PM05-5 POTENTIAL MUSCLE IMBALANCES IN CLUB LEVEL Fencers
Botomai, L. et al [United Kingdom]

CP-PM05-6 TREE TACTICS IN FENCING: ELITE EPEE MENS’ IGLESIAS, X. et al [Spain]

CP-PM05-7 THE USE OF ANTHROPOMETRIC FACTORS IN TALENT ION IN SWIMMING
Allmann, K. [Germany]

CP-PM05-8 EFFECT OF BLOCKED VISION ON THE REPRODUCIBILITY OF BALLET LEG POSITIONS IN ELITE JAPANESE SYNCHRONIZED SWIMMERS
Komori, Y. et al [Japan]

CP-PM05-9 PROGRESSION AND AGE AT PEAK PERFORMANCE OF ELITE MALE TRIPLE JUMPERS
Niessen, M. et al [Germany]

CP-PM05-10 SEX-RELATED DIFFERENCES IN GROWTH AND PATTERNS OF DEVELOPMENT OF THIGH MUSCLE THICKNESS, ANAEROBIC POWER, AND SKATING PERFORMANCE IN JUNIOR SPEED SKATERS
Kumagawa, D. et al [Japan]

CP-PM06-5-1 EFFECT OF BLOOD LACTATE AND ACTIVE OXYGEN ON HOLDER TRAINING OF ELITE SPORT CLIMBING ATHLETES
Son, Y.H. et al [Korea, South]

CP-PM06-5-2 ISCHAEMIC PRECONDITIONING DOES NOT IMPROVE REPEATED SPRINT ABILITY IN ELITE RUGBY SEVENS PLAYERS
Patterson, S. et al [United Kingdom]

CP-PM07-5 CARDIOVASCULAR PHYSIOLOGY
Lecture room: GROUND LEVEL/WEST Chairs: González-Alonso, J. [United Kingdom]

CP-PM07-1 EFFECTS OF TWO TYPES OF PHYSICAL TRAINING EXERCISE ON VENTRICULAR CARDIOMYOCYTES REMODELING OF HYPERTENSIVE RATS
DELPECH, N. et al [France]

CP-PM07-2 KINETIC OF LEFT VENTRICAL FUNCTION AND MECHANIC DURING THE TRANSITION FROM REST TO EXERCISE IN TRAINED CYCLISTS
IZEM, O. [France]

CP-PM07-3 EFFECT OF 8 WEEKS TRAINING WITH AND WITHOUT POMEGRANATE ON BOOLD PRESSURE AND VO2MAX IN MIDDLE AGE WOMENS ADAM, S. et al [Iran]

CP-PM07-4 KNEE ROTATION RELATED TO GENDER, KNEE ANGLE AND APPLIED TORQUE
Kato, T. et al [Japan]

CP-PM07-5 TREE TACTICS IN FENCING: ELITE EPEE MENS’ IGLESIAS, X. et al [Spain]

CP-PM08-5-1 EFFECT OF INTRADIALYSIS EXERCISE PROGRAM ON PHYSICAL FITNESS IN CHRONIC KIDNEY DISEASE
Cobo Vicente, F. et al [Spain]

CP-PM08-5-2 IMPACT OF PHYSICAL INACTIVITY ON THE RISK OF DEVELOPMENT HEPATIC STEATOSIS IN WOMEN
Sá Pinto Montenegro, C. et al [Brazil]

CP-PM08-5-3 THE EFFECT OF PERCEIVED CSR ON TEAM IDENTIFICATION AND TEAM LOYALTY IN PROFESSIONAL FOOTBALL IN KOREA
Park, J. et al [Germany]

CP-PM08-5-4 THE EFFECT OF PHYSICAL INACTIVITY ON THE RISK OF DEVELOPMENT HEPATIC STEATOSIS IN WOMEN
Sá Pinto Montenegro, C. et al [Brazil]

CP-PM12 Cardiovascular physiology
Lecture room: GROUND LEVEL/WEST Chairs: González-Alonso, J. [United Kingdom]

CP-PM12-1 ENERGY ABSORPTION STRATEGY IN THE LOWER EXTREMITY BY KNEE VALGUS/VARUS ALIGNMENT DURING VERTICAL JUMPS
Tamura, A. et al [Japan]

CP-PM12-2 ALIGNMENT OF TRUNK AND LOWER EXTREMITY DURING STAR EXCURSION BALANCE TEST MIGHT BE USEFUL FOR EVALUATION OF ACF INJURY RISK
Lee, J.Y. et al [Korea, South]

CP-PM12-3 KNEE POSITION RELATED TO GENDER, KNEE ANGLE AND APPLIED TORQUE
Seiba, M. et al [Japan]

CP-PM12-4 ASSOCIATION ANALYSIS OF ACTN3 R577X POLYMORPHISM WITH MUSCLE STIFFNESS AND MUSCLE STRAIN INJURY
Miyamoto-Mikami, E. et al [Japan]

CP-PM12-5 THE EFFECT OF ANTHRAX TARGETED THERAPY ON MUSCLE PERFORMANCE IN HUMAN SUBJECTS
Chin, K. et al [Japan]

CP-PM12-6 INJURY SURVEILLANCE OF NON-PROFESSIONAL SALSA DANCE
Domene, P.A. et al [United Kingdom]

CP-PM12-7 ACUTE EFFECTS OF FOAM-ROLLING ON VOLUME ALTERATIONS OF THE LOWER LIMBS AND PERCEIVED PAIN
Kühnemann, M. et al [Germany]

CP-PM12-8 THE EFFECT OF MUSCLE STIFFNESS ON MUSCULAR INJURY AND RECOVERY TIME: AN IN VITRO STUDY
Choi, H. et al [Korea, South]

CP-PM12-9 IMPACT OF PHYSICAL INACTIVITY ON THE RISK OF DEVELOPMENT HEPATIC STEATOSIS IN WOMEN
Sá Pinto Montenegro, C. et al [Brazil]

CP-PM12-10 THE EFFECT OF PHYSICAL INACTIVITY ON THE RISK OF DEVELOPMENT HEPATIC STEATOSIS IN WOMEN
Sá Pinto Montenegro, C. et al [Brazil]
Thursday, July 6th, 2017

13:00 - 14:00

ECSS MetropolisRuhr 2017 - Germany, 5-8 July

**CP-PM14-4**
THE BENEFITS OF REGULAR PHYSICAL ACTIVITY ON DOXORUBICIN-INDUCED KIDNEY COLLAGEN DEPOSITION ON RATS
Cardoso, D. et al (Portugal)

**CP-PM14-5**
PRE-PARTICIPATION CARDIAC SCREENING IN ATHLETES 10 YEARS <2007-2017> EXPERIENCE
Stoian, I.M. et al (Romania)

**CP-PM14-6**
FEASIBILITY OF MYOCARDIAL PERFUSION SPECT IN DIAGNOSTICS OF NONCORONARY DISMETABOULIC HEART DISEASES IN ATHLETES
Bondarev, S.A. et al (Russia)

**CP-PM15-4**
GENE XR DIFFERENCES IN SEVERAL HEALTH INDICES AFTER A SHORT AND MIXED WEIGHT REDUCING PROGRAM
Joffroy, S. et al (France)

**CP-PM15-8**
HEMODYNAMIC RESPONSES IN MAXIMAL AND SUBMAXIMAL STRENGTH TEST IN HYPERTENSIVE ELDERLY
Leite, T. et al (Brazil)

**CP-PM15 Orthopaedics and rehabilitation: mixed session**

**Lecture Room: Ground Level/West**
Chair(s): Mayer, F. (Germany)

**CP-PM15-1**
WHAT IS THE EFFECTIVE STRETCHING POSITION FOR ELONGATING NECK EXTSN TEMUS? AN ULTRASONIC SHEAR WAVE ELASTOGRAPHY STUDY
Yanase, K. et al (Japan)

**CP-PM16 Females, elite athletes and vibration: mixed session**

**Lecture Room: Ground Level/West**
Chair(s): Trompetter, K. (Germany)

**CP-PM16-1**
BASELINE CHARACTERISTICS OF WOMEN WHO COMPLETED OR NOT AN ENDURANCE TRAINING PROGRAM
Garrier, S. et al (France)

**CP-PM16-4**
EFFECTS OF WELL-ROUNDED EXERCISE TRAINING ON CARTILAGE METABOLISM IN FEMALES WITHOUT RADIOLOGICALLY KNEE OSTEOARTHRITIS
Yasuda, T. et al (Japan)

**CP-PM16-5**
CLINICAL EFFECT OF DEEP NECK BENDING EXERCISE APPLIED TO CHRONIC NECK PAIN PATIENTS
Seo, Y.H. et al (Korea, South)

**CP-PM16-6**
RTD EVALUATION AS FUNCTIONAL REHABILITATION AND ITS CRITERIA FOR HAMSTRING STRAIN INJURIES. A PRELIMINARY STUDY
Bikandi, E. et al (Spain)

**CP-PM16-7**
LOWER LIMB ELECTROMYOGRAPHY IN PATIENTS WITH ACHILLES TENDON REPAIR DURING RAMP ANGLE ASCENDING AND DESCENDING EXERCISE
Kuo, C.Y. et al (Taiwan)

**CP-PM16-8**
USE OF WALKING POLES FOR POSTURAL STABILITY DURING STANDING IN PATIENTS WITH KNEE AND HIP OSTEOARTHRITIS
Fukuoka, C. et al (Japan)

**CP-PM16-9**
RADIOPHOROMIC COMPARISON OF KNEE OSTEOARTHRITIS: PAIN AND FUNCTION BETWEEN EX-LITE ELITE TABLE TENNIS PLAYERS AND THEIR AGED MATCHED CONTROLS
Meghdadi, N. et al (Iran)

**CP-PM16-10**
PAIN THRESHOLDS ATER ROWING AT DIFFERENT INTENSITIES
Kriger, S. et al (Germany)

**CP-PM16-11**
VARIABILITY SLIDING UPON A NOVEL SLIDE VIBRATION BOARD AT DIFFERENT VIBRATION FREQUENCIES
Gisbert, J.E. et al (Spain)

**CP-PM16-12**
EFFECTS OF VIBROTACTILE FEEDBACK ON SEDENTARY BEHAVIORS OF ADULTS. A PILOT RANDOMIZED CONTROLLED TRIAL
Nishimura, M. et al (Japan)

**CP-PM17 Ventilation, hypoxia, health and fitness**

**Lecture Room: Ground Level/West**
Chair(s): Levin, O. (Belgium)

**CP-PM17-1**
DOES CEREBRAL BLOOD FLOW AND OXYGENATION AFFECT IMPAIRMENT IN COGNITIVE FUNCTION DURING EXERCISE?
Komiyama, T. et al (Japan)

**CP-PM18 Brain and cognition**

**Lecture Room: Ground Level/West**
Chair(s): Trompeter, K. (Germany)

**CP-PM18-1**
DOES CEREBRAL BLOOD FLOW AND OXYGENATION AFFECT IMPAIRMENT IN COGNITIVE FUNCTION DURING EXERCISE?
Komiyama, T. et al (Japan)

**CP-PM18-2**
THE EFFECT OF HIGH-INTENSITY TABATA EXERCISE ON THE MAXIMAL OXYGEN UPTAKE AND BLOOD VARIABLES OF MIDDLE-AGED WOMEN
Yoon, S.M. et al (Korea, South)

**CP-PM18-3**
THE RELATIONSHIP BETWEEN LUNG FUNCTION AND PHYSICAL FITNESS PARAMETERS
Imai, T. et al (Japan)

**CP-PM18-4**
THE RELATIONSHIP BETWEEN CENTRAL AND PERIPHERAL FATIGUE IN TERMS OF WITH OR WITHOUT SLEEP DEPRIVATION
Shiota, K. et al (Japan)

**CP-PM18-5**
EXECUTIVE FUNCTION AND BDNF CONCENTRATIONS DID NOT DIFFER BETWEEN WELL TRAINED FUTSAL PLAYERS, SWIMMERS AND SEDENTARY MALE ADOLESCENTS AT REST.
Prado, L.S. et al (Brazil)

**CP-PM18-6**
EFFECTS OF VOLUNTARY DIAPHRAGMATIC BREATHING ON NATURALLY INDUCED STRESS DURING A HIKING TOUR: A PILOT STUDY
Kaldewey, K. et al (Germany)

**CP-PM18-7**
EXECUTIVE FUNCTION AND BDNF CONCENTRATIONS WERE NOT DIFFER BETWEEN WELL TRAINED FUTSAL PLAYERS, SWIMMERS AND SEDENTARY MALE ADOLESCENTS AT REST.
Prado, L.S. et al (Brazil)

**CP-PM18-8**
RADIOGRAPHIC COMPARISON OF KNEE OSTEOARTHRITIS, PAIN AND FUNCTION BETWEEN ELITE TABLE TENNIS PLAYERS AND THEIR AGED MATCHED CONTROLS
Meghdadi, N. et al (Iran)

**CP-PM18-9**
TREADMILL RUNNING DECREASES THE ACCUMULATION OF AMYLOID IN LACTATIONAL DEHP EXPOSED AGED RATS
Lee, Y.C. et al (Taiwan)

**CP-PM19-15**
HEMODYNAMIC RESPONSES IN MAXIMAL AND SUBMAXIMAL STRENGTH TEST IN HYPERTENSIVE ELDERLY
Leite, T. et al (Brazil)
Friday, July 7th, 2017

13:00 – 14:00

CP-SH03 Sport psychology 1

LECTURE ROOM: GROUND LEVEL/WEST
Chair(s): Lane, A. [United Kingdom]

CP-SH03-1
RELATIONSHIP BETWEEN PSYCHOLOGICAL EFFECTS AND SUBJECTIVE SATISFACTIONS BY VIEWING MOTIVATIONAL VIDEO FOR OLYMPIC ATHLETES
Yamazaki, M. [Japan]

CP-SH03-2
STUDY OF COACH-ATHLETE RELATIONSHIP AND SUCCESSFUL MOTIVATION OF NATIONAL ARCHERS OF IRAN AND UNITED STATES.
Haji Anzehaei, E. [Iran]

CP-SH04 Sport psychology 2

LECTURE ROOM: GROUND LEVEL/WEST
Chair(s): Plessner, H. [Germany]

CP-SH04-1
IDENTIFYING UNITS OF DISCRETE MOVEMENT IN SPACE-TIME CONSTRAINTS
Tsung-Yu, H. et al [Taiwan]

CP-SH04-2
THE RELATIONSHIP BETWEEN GOLF PUTTING PRECISION AND VARIABILITY IN INITIAL BALL DIRECTION AND VELOCITY
Miyake, Y. et al [Japan]

CP-SH04-3
INJURY AND DISORDERED EATING BEHAVIORS: WHAT IS THE CONNECTION FOR FEMALE PROFESSIONAL DANCERS?
Reel, J. et al [United States]

CP-SH04-4
THE EFFECT OF ACUTE AEROBIC EXERCISE ON ATTENTION FUNCTION IN HEALTHY OLDER ADULTS
Shimura, Y. et al [Japan]

CP-SH04-5
SOCIAL COGNITIVE THEORY AND PHYSICAL ACTIVITY AMONG KOREAN MALE HIGH SCHOOL STUDENTS
Lee, C.G. [Korea, South]

CP-SH04-6
THE EVASKIP-STUDY: IS PHYSICAL PERFORMANCE AND HEALTH RELATED QUALITY OF LIFE ASSOCIATED WITH DIFFERENT SCHOOL TYPES IN GERMANY?
Schulz, T. et al [Germany]

CP-BN04 Coordination and motor control

LECTURE ROOM: GROUND LEVEL/WEST
Chair(s): Federoff, P. [Austria]

CP-BN04-1
ACUTE EFFECTS OF A SPECIFIC POST-ACTIVATION POTENTIATION PROTOCOL ON SWIMMING START PERFORMANCE OF COMPETITIVE SWIMMERS
Vieira, L. et al [Brazil]

CP-BN04-2
INFLUENCE OF POLYURETHANE MIDSOLE ON GROUND REACTION FORCE DURING STRETCH-SHORTENING CYCLE MOVEMENT
Noro, H. et al [Japan]

CP-BN04-3
CO-CONTRACTION AND SSC IN VOLLEYBALL OVERHEAD PASS
Ozawa, Y. et al [Japan]

CP-BN04-4
THE RELATIONSHIP BETWEEN GOLF PUTTING PRECISION AND VARIABILITY IN INITIAL BALL DIRECTION AND VELOCITY
Miyake, Y. et al [Japan]

CP-BN04-5
OVERESTIMATION OF SUCCESS RATE IS STRONGER IN MOTOR CONDITION THAN IN EQUIVALENT NON-MOTOR CONDITION IN TWO-CHOICE DECISION TASK
Ogawa, R. et al [Japan]

CP-BN04-6
INFLUENCES OF LONG-TERM MOTOR TRAINING ON THE EXCITABILITY OF THE CORTICOSPINAL TRACT DURING DUAL-TASK
Fukumoto, H. et al [Japan]

CP-BN04-7
CHANGES IN BRAIN GRAY MATTER VOLUME IN UNIVERSITY-LEVEL SOCCER PLAYERS
Kamibayashi, K. et al [Japan]

CP-BN03 Neuromuscular function 1

LECTURE ROOM: GROUND LEVEL/WEST
Chair(s): Girard, O. [Qatar]

CP-BN03-1
ACUTE EFFECTS OF A SPECIFIC POST-ACTIVATION POTENTIATION PROTOCOL ON SWIMMING START PERFORMANCE OF COMPETITIVE SWIMMERS
Vieira, L. et al [Brazil]

CP-BN03-2
INFLUENCE OF POLYURETHANE MIDSOLE ON GROUND REACTION FORCE DURING STRETCH-SHORTENING CYCLE MOVEMENT
Noro, H. et al [Japan]

CP-BN03-3
CO-CONTRACTION AND SSC IN VOLLEYBALL OVERHEAD PASS
Ozawa, Y. et al [Japan]

CP-BN03-4
BICEPS BRACHII MECHANOMYOGRAPHIC AND ELECTROMYOGRAPHIC ACTIVITY CHANGES AFTER ECCENTRIC EXERCISE OF THE ELBOW FLEXORS
Shima, N. et al [Japan]

CP-BN03-5
OVERESTIMATION OF SUCCESS RATE IS STRONGER IN MOTOR CONDITION THAN IN EQUIVALENT NON-MOTOR CONDITION IN TWO-CHOICE DECISION TASK
Ogawa, R. et al [Japan]

CP-BN03-6
INFLUENCES OF LONG-TERM MOTOR TRAINING ON THE EXCITABILITY OF THE CORTICOSPINAL TRACT DURING DUAL-TASK
Fukumoto, H. et al [Japan]

CP-BN03-7
CHANGES IN BRAIN GRAY MATTER VOLUME IN UNIVERSITY-LEVEL SOCCER PLAYERS
Kamibayashi, K. et al [Japan]
CP-BN03-5
CAFFEINE AMELIORATES THE TRANSIENT DEPRESSION OF FORCE FOLLOWING UNILATERAL RESISTANCE EXERCISE IN TRAINED ADULT MALES
Davies, R.W. et al [Ireland]

CP-BN03-6
THE EFFECT OF SEX AND MOTONEURON POOL ON CENTRAL FATIGUE
Yaçış, A.F. et al [Canada]

CP-BN03-7
INCREASED VASTUS LATERALIS’ HARDNESS AFTER 15 WEEKS OF RESISTANCE TRAINING: AN ULTRASOUND STRAIN ELASTOGRAPHY STUDY
Armas, P. [Portugal]

CP-BN03-8
EFFECT OF ELECTRODE POSITION FOR LOW NEUROMUSCULAR ELECTRICAL STIMULATION ON THE QUADRICIPS
Watanebe, K. [Japan]

CP-BN03-9
MORPHOLOGICAL DETERMINANTS OF EXPLOSIVE STRENGTH
Mader-Wilkinson, T.M. et al [United Kingdom]

CP-BN03-10
FORCE VELOCITY PROFILES OF A LEG EXTENDING MODEL MUSCLE FOR MALE ATHLETES IN THE THROWING EVENTS
Schlechtrier, A. et al [Germany]

CP-PM04-2
THE INFLUENCE OF VOLLEYBALL SPECIFIC REPEATED JUMPS ON LOWER BODY NEUROMUSCULAR FUNCTION AND BILATERAL ASYMMETRY
McManus, C. et al [United Kingdom]

CP-PM04-3
PERFORMANCE OF FEMALE RINK HOCKEY PLAYERS
Stephan, H. et al [Germany]

CP-PM04-4
EFFECT OF ADDITIONAL CONCURRENT SPECIFIC STRENGTH AND REPEATED SPRINT TRAINING DURING PRESEASON ON PERFORMANCE IN FUTSAL PLAYERS
Phongprong, K. et al [Thailand]

CP-PM04-5
AGE RELATED AND TRAINING INDUCED CHANGES IN SOMATOTYPE COMPONENTS OF YOUTH ELITE MALE SOCCER PLAYERS
Androulakis, N. et al [Greece]

CP-PM04-6
CHANGES IN BODY COMPOSITION AND PERFORMANCE IN ADOLESCENT AMERICAN FOOTBALL PLAYERS FOLLOWING THREE WEEKS OF DETRAINING
Gavando, S. et al [Germany]

CP-PM04-7
INFRASPINATUS MUSCLE THICKNESS BILATERAL DIFFERENCE IN BASEBALL PITCHERS AND OTHER ATHLETES
Tanimoto, M. et al [Japan]

CP-PM05-2
THE INFLUENCE DEGREE OF RELEASE PARAMETERS ON BALL ARRIVAL POSITION IN BASEBALL SHOOTING
Nakano, N. et al [Japan]

CP-PM05-3
THE ANALYSIS OF MECHANISM TO INCREASE ENERGY OF PELVIS IN BASEBALL PITCHING
Arata, K. et al [Japan]

CP-PM05-4
KINEMATIC ANALYSIS OF BASEBALL PITCHING MOTION WITH THE DIFFERENT RANGES OF MOTION IN NON-PITCHING ARM JOINTS
Ueda, A. et al [Japan]

CP-PM05-5
DIFFERENCES BETWEEN MOTION ANALYSIS SYSTEMS IN CALCULATING KNEE ANGLE IN ELITE RACE WALKING
Hanley, B. et al [United Kingdom]

CP-PM06-1
EXCESSIVE PHYSICAL ACTIVITY AND MORTALITY RISK: A META-ANALYSIS
Blond, K. et al [Denmark]

CP-PM06-2
CAN A PEDOMETER INTERVENTION REDUCE SEDENTARY BEHAVIOR IN OLDER ADULTS?
Swartz, A. et al [United States]

CP-PM06-3
PHYSICAL ACTIVITY IN WORKPLACE SETTINGS: PRELIMINARY RESULTS OF TRISEARCH
Rudolf, K. et al [Germany]

CP-PM06-4
BARRIERS TO HEALTHY LIFESTYLE IMPLEMENTATION AND CONDITIONS TO OVERCOME THEM FOR WOMEN IN FITNESS: CASE STUDY
Cuprika, A. et al [Latvia]

CP-PM06-5
THE ROLE OF PHYSICAL ACTIVITY IN THE ASSOCIATION OF SCREEN-BASED MEDIA USE AND HEALTH-RELATED QUALITY OF LIFE IN CHILDREN AND ADOLESCENTS
Thomandl, L. et al [Germany]

CP-PM06-6
PHYSICAL AND PSYCHOLOGICAL EFFECTS OF LIGHT FOOT EXERCISE: A PILOT STUDY FOR AN EXERCISE SYSTEM TO IMPROVE PERFORMANCE OF ADL
Hosono, M. et al [Japan]

CP-PM06-7
A WEB PLATFORM TO PROMOTE HEALTHY BEHAVIOURS AMONG YOUNG ADULTS: USAGE DATA AND REASONS FOR NON-USAGE
Stassen, G. et al [Germany]

CP-PM06-8
AESTHETIC DOPING: USE OF OIL INJECTIONS FOR BODY CONSTRUCTION AMONG BRAZILIAN BODYBUILDERS
Sanlos, A. et al [Brazil]

CP-PM06-9
USING A SOCIAL MEDIA PLATFORM TO PROMOTE PHYSICAL ACTIVITY OF ADULTS: A RANDOMIZED CONTROLLED TRIAL
Greben, C. et al [Germany]

CP-PM07-1
THE EFFECTS OF URSOULIC ACID AS AN EXERCISE PILL FOR ANTI-AGING
Kim, S. [Korea, South]

CP-PM07-2
EFFECTS OF A 12-WEEK MULTICOMPONENT EXERCISE INTERVENTION ON EXECUTIVE FUNCTIONS AND EPISODIC MEMORY IN HEALTHY ELDERLY: A PILOT STUDY
Stroehlein, J.K. et al [Germany]

CP-PM07-3
PHENOTYPE PROFILE OF FUNCTIONAL CAPACITY AMONG COMMUNITY-DWELLING ELDERLY WOMEN AGED 60 YEARS AND OLDER FROM THREE DIFFERENT COUNTRIES
Bui, H.T. et al [Canada]

CP-PM07-4
RUNNING ‘AT PACE WITH A SMILE’ AND AT LACTATE THRESHOLD IN ELDERLY PEOPLE
Sakamoto, M. [Japan]

CP-PM07-5
IMPROVEMENT OF PHYSICAL FITNESS LEVELS IN HEALTHY ELDERLY PEOPLE LIVING IN RURAL JAPANESE AREAS
Ueki, S. et al [Japan]

CP-PM07-6
HEALTH CONDITION, LIFESTYLE AND COGNITIVE FUNCTION CLASSIFIED BY EXERCISE BEHAVIOR AMONG COMMUNITY-DWELLING OLDER PEOPLE IN NORTHERN JAPAN
Sasaki, H. et al [Japan]

CP-PM07-7
EFFECTS OF WHOLE BODY VIBRATION ON COGNITION AND MOTOR FUNCTION IN AGED RATS
Töth, K. et al [Hungary]

CP-PM07-8
EFFECT OF CHRONIC ACTIVE AND PASSIVE EXERCISE FOR PSYCHOMOTOR AND COGNITIVE FUNCTIONS IN SENESCENT RATS
Timea, T. et al [Hungary]

ECSS MetropolisRuhr 2017 - Germany, 5-8 July
Conventional Print Poster Presentations

Saturday, July 8th, 2017
13:00 - 14:00

CP-BN06 Balance and proprio-ception

LECTURE ROOM: GROUND LEVEL/WEST
Chair(s): Baudry, S. [Belgium] Donath, L. [Switzerland]

CP-BN06-1 EVALUATION OF BIOFEEDBACK BALANCE PLATFORM TRAINING OVER 6 MONTHS Schiff, M. et al [Germany]
CP-BN06-2 THE EFFECT OF STATIC AND DYNAMIC STRETCHING ON KNEE JOINT PROPRIOCEPTION AND STRENGTH Walsh, G. [United Kingdom]

CP-BN06-3 ANKLE INVERSION DISCRIMINATION WHEN WEARING DANCING OR EVERYDAY SHOES IN PRE-SCHOOL RECREATIONAL DANCERS Lu, L. et al [China]
CP-BN06-4 THE INFLUENCE OF HEARING LOSS ON POSTURAL, CERVICAL ROM AND NECK EMG PARAMETERS Thomas, E. et al [Italy]
CP-BN06-5 EFFECTS OF THERAPEUTIC EXERCISE ON PAIN, RANGE OF MOTION, STRENGTH AND BALANCE IN A PATIENT WITH ANTERIOR ANKLE IMPINGEMENT: A CASE STUDY Lee, S.A. et al [Korea, South]
CP-BN06-6 EVALUATION OF BALANCE BY THE STABILOMETRY OF BRAZILIAN JIU JIUTSU ATHLETES BEFORE AND AFTER FIGHTS Eduardo, A. et al [Brazil]
CP-BN06-7 EFFECT OF CROSS-TAPPING OF PLANTAR CALLUSES ON DYNAMIC AND STATIC BALANCE IN SOCCER PLAYERS Kim, S.J. et al [Korea, South]
CP-BN06-8 EFFECTS OF THE USE OF SEMI-RIGID ANKLE STABILIZERS IN VERTICAL JUMP IN VOLLEYBALL ATHLETES Reis, F. et al [Brazil]

CP-BN06-9 DIFFERENCE IN UNILATERAL POSTURAL STABILITY BETWEEN THE FUNCTIONALLY DOMINANT AND NON-DOMINANT LIMB OF MALE COLLEGE BASKETBALL PLAYERS Ono, L. et al [Czech Republic]
CP-BN06-10 ACCURACY OF PEDOPOD MUSCLE FORCE SENSORS FOR THE QUANTIFICATION OF RUNNING-RELATED PARAMETERS Seberle, W. et al [Germany]

CP-PM10 Strength training

LECTURE ROOM: GROUND LEVEL/WEST
Chair(s): Granacher, U. [Germany] Bogdanis, G. [Greece]

CP-PM10-1 ACUTE EXERCISE-ASSOCIATED SKIN SURFACE TEMPERATURE CHANGES AFTER STRENGTH TRAINING WITH DIFFERENT EXERCISE INTENSITIES Weigert, M. et al [Germany]
CP-PM10-2 EFFICACY OF 12 WEEKS OF COMBINED ENDURANCE AND RESISTANCE TRAINING AMONG WOMEN WITH MULTIPLE SCLEROSIS Correale, L. et al [Italy]
CP-PM10-3 THE EFFECTIVENESS OF AN EXPERIENTIAL LEARNING PROGRAM TO PROMOTE STUDENTS’ TEAM BUILDING IN UNIVERSITY PHYSICAL EDUCATION TAKANASHI, M. et al [Japan]
CP-PM10-4 A STUDY ON THE CHARACTERISTICS OF SCHOOL PHYSICAL EDUCATION IN ZAMBIA Yokota, C. et al [Japan]
CP-PM10-5 CONTENT STANDARDS’ ANALYSIS AND INSPIRATION OF NATIONAL PHYSICAL EDUCATION CURRICULUM IN THE UNITED STATES Zhang, J. et al [China]
CP-PM10-6 DEVELOPMENT OF BADMINTON TEACHING ASSISTANT APP AND ITS EFFECTIVENESS IN PHYSICAL EDUCATION Lin, K.C. et al [Taiwan]

CP-BN06-10 greater INCREASE IN MUSCLE MASS AND IN TYPE 1-FIBRE NUMBER AFTER QUADRICEPS STRENGTH TRAINING WITH ECCENTRIC OVERLOAD DURING REHABILITATION AFTER ACL-RECONSTRUCTION Profit, F. et al [Germany]
CP-BN06-11 THE EVALUATION OF BALANCE, FLEXIBILITY AND EXPLOSIVE STRENGTH IN ELITE REFEREES AND ASSISTANT REFEREES Angin, E. et al [Cyprus]

CP-SH01 Physical education

LECTURE ROOM: GROUND LEVEL/WEST
Chair(s): Grimminger-Seidensticker, E. [Germany]

CP-SH01-1 INVESTIGATION OF THE JOB SATISFACTION AND CREATIVITY LEVELS OF PHYSICAL EDUCATION AND SPORTS TEACHERS Tekin, M. et al [Turkey]
CP-SH01-2 ANALYSIS OF LIFE HISTORY INTERVIEWS OF TWO WOMEN PHYSICAL EDUCATION TEACHERS IN KOREA: 1960~2000 Cho, M. [Korea, South]
CP-SH01-3 THE EFFECTIVENESS OF AN EXPERIENTIAL LEARNING PROGRAM TO PROMOTE STUDENTS’ TEAM BUILDING IN UNIVERSITY PHYSICAL EDUCATION TAKANASHI, M. et al [Japan]
CP-SH01-4 A STUDY ON THE CHARACTERISTICS OF SCHOOL PHYSICAL EDUCATION IN ZAMBIA Yokota, C. et al [Japan]
CP-SH01-5 CONTENT STANDARDS’ ANALYSIS AND INSPIRATION OF NATIONAL PHYSICAL EDUCATION CURRICULUM IN THE UNITED STATES Zhang, J. et al [China]
CP-SH01-6 DEVELOPMENT OF BADMINTON TEACHING ASSISTANT APP AND ITS EFFECTIVENESS IN PHYSICAL EDUCATION Lin, K.C. et al [Taiwan]

CP-SH02 Health and fitness in children and adolescents

LECTURE ROOM: GROUND LEVEL/WEST
Chair(s): Krusche, T. [Germany]

CP-SH02-1 RELATIONSHIPS AMONG WEIGHT PERCEPTION, DIET AND EXERCISE BEHAVIORS AND PHYSICAL FITNESS IN KOREAN ELEMENTARY SCHOOL STUDENTS Jung, A.R. et al [Korea, South]
CP-SH02-2 GENDER DIFFERENCES IN DEVELOPMENT OF THE CHILDREN’S MOTOR ABILITY AND PARENTAL COGNITION OF ACTIVE PLAY Takeda, N. [Japan]
CP-SH02-3 TWO-WEEKS OF SPRINT INTERVAL TRAINING IMPROVES NEUROPLASTICITY IN UNIVERSITY STUDENTS Medeiros, A.R. et al [Brazil]
CP-SH02-4 THE EFFECTS OF EIGHT WEEKS PHYSICAL EXERCISES WITH MUSIC ON THE TEST ANXIETY OF ELEMENTARY SCHOOL GIRLS STUDENTS Saito Hamami, S. [Japan]
CP-SH02-5 BENEFITS OF YOGA ON MENTAL AND PHYSICAL HEALTH: A 13-WEEK STUDY ON REQUIRED PHYSICAL EDUCATION CLASSES AT CHINESE UNIVERSITY OF HONG KONG Hon, S. [Hong Kong]
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**Exhibitors profiles**

**1080 Motion AB [Sweden]**

1080 Sprint is portable resistance training and testing device for sprints, skating, swimming and change direction movements. It uses intelligent variable resistance technology to provide a very smooth and controllable resistance. It measures power, force, speed and acceleration with high accuracy.

http://www.1080motion.com

**Activinsights Ltd [United Kingdom]**

Since 2008, Activinsights have used lifestyle insight from wearables and connected devices to support healthcare services in over 40 countries around the world. Our technologies and data analysis approaches are supported by over 100 peer-reviewed scientific papers. Activinsights manufacture in England and is a privately held company based in Cambridgeshire.

http://www.activinsights.com

**AMTI [USA]**

AMTI’s multi-axis force platforms and instrumented treadmills provide accurate, repeatable force data for many different sports science studies. These six-component force measuring systems have high measuring sensitivity, a wide dynamic range, excellent repeatability, and unsurpassed accuracy. Configurations include floor mounted, portable, dual force platform treadmills, instrumented stairs, and more.

http://www.amti.biz

**Artinis Medical Systems B.V. [The Netherlands]**

Artinis Medical Systems is a Dutch innovative company producing near infrared spectroscopy equipment (NIRS) to measure both brain and muscle tissue saturation oxygenation levels. We have a range of products, from 48 channel flexible, fast and sensitive laboratory equipment like the OXYMON to small and wireless instruments like the PortaMon and the PortaLite. The latter ones have the size of a cell phone and can be used inside and outside. They are not only popular with researchers, they are being used more and more by Olympic athletes to optimize their training protocols.

http://www.artinis.com

**BIOPAC Systems, Inc. [USA]**


http://www.biopac.com

**BTS Bioengineering [Italy]**

BTS Bioengineering develops and produces innovative technologies to improving the quality of everybody life. We praise a thirty years long experience in motion analysis for Physical Medicine, Sports Science, Sports and Human Performance, Biomechanics and Gait/Orthopaedics.

Our products provide the starting point for sport improvement, performance enhancement and injury recovery.

http://www.btsbioengineering.com/

**Bundesinstitut für Sportwissenschaft (BISP) [Germany]**

BISP is responsible for supporting and optimizing top level sports by:
- initiating, promoting and coordinating research in the field of top level sport
- identifying, evaluating and transferring scientific results into top level sport
- consulting the Federal Ministry of the Interior in the area of sport policy
- providing information on current sport science literature and research projects

http://www.bisp.de

**CamNtech Ltd. [United Kingdom]**

Actiheart is one of the most widely used research tools for determining energy expenditure in free living. This miniature wearable device uses a branched model to Determine Activity Energy Expenditure in Kcals and METS, helping the data to be more readily interpreted and compared. Visit the CamNtech stand for more information.

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 RDx, we strive to continue the rich tradition of supplying reliable, professional and accessible cardiopulmonary diagnostic devices and services such as the JEGER Oxygen Mobile or the JAEGER Vynlus CPX.

http://www.carefusion.co.uk

**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 in to athlete management.

http://catapultsports.com/

**Checkmylevel [Finland]**

Checkmylevel provides an exact assessment of your recovery and readiness enabling you to optimize training and recovery. The method is especially useful for sports requiring peak strength skill and coordination but also works great with endurance sports. With Checkmylevel you have real-time information on the recovery status of your nerves and muscles, helping you to avoid overtraining syndrome and reduce injuries.

http://www.checkmylevel.com

**Contemplas GmbH [Germany]**

CONTEMPLAS GmbH, with its headquarter in Kemp-ten/Germany, develops and distributes worldwide software solutions for gait, posture and general motion analysis in the medical and sports market.

The CONTEMPLAS motion analysis software TEMPLO offers the possibility to do analysis in different fields of applications, as Clinical Gait Analysis, 2D/3D Posture Analysis, Running Analysis, etc.

With the easy data acquisition and integration of other systems in the analysis process, such as EMG and pressure/force measuring systems, TEMPLO becomes an essential tool in the field of sport, medicine and science.

User-friendliness and dedicated analysis protocols based on the integration of the latest video technology help you while performing your analyses.

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 Science & Human Performance field, COSMED designs, manufactures and sells worldwide solutions for Cardiopulmonary, Metabolic and Body Composition assessment.
COSMED boasts a complete range of products for the measurement of Pulmonary Gas Exchange during exercise and at rest, including the brand new KS [http://www.cosmed.com/wareni], the 4th generation of the World’s best selling metabolic system for field and laboratory testing. COSMED advanced diagnostic equipment includes also the Quark CPET, a fully-featured and highly accurate metabolic cart, and the Fitmate PRO, a desktop device for a new approach to CPET and REE testing.

COSMED is also the provider of the BOD POD, the practical Gold Standard solution, based on air displacement plethysmography technology, for the measurement of body composition in adults and children. http://www.cosmed.com

Delsys Inc. [USA]

Delsys, being at the forefront of innovative developments in electromyography (EMG) for more than 20 years, has established the foundation for unmatched signal quality, consistency and reliability. Both the Delsys Trigno wireless technology and ground breaking surface decomposition EMG technology (iEMG) are demonstrations of unrivaled, empirically led solutions in assisting the research community. http://www.delsys.com

ECSS Dublin 2018 [Ireland]

On behalf of University College Dublin and Ulster University, we would like to extend a warm welcome to join us at the 23rd Annual Congress of the ECSS in Dublin, Ireland, from the 4th - 7th July, 2018. The conference will take place right in the heart of the city at the newly built and inspirational Convention Centre overlooking the River Liffey, surrounded by all the amenities this dynamic city has to offer. We are confident that you will find the multidisciplinary academic programme, delivered by some of the leading exponents and thinkers in our field, invigorating and enjoyable, as it does from the combined expertise of University College Dublin (Centre for Sports Studies, Institute for Sport and Health) and Ulster University School of Sport. Our congress theme is “Sport Science at the Cutting Edge” and we aim to provide every opportunity for delegates to learn from, and contribute to the latest developments in Sports and Exercise science in a stimulating social and professional setting. See you in Dublin 2018 http://www.ecss-congress.eu/2018

Exelio Srl [Italy]

EXELIO is the Italian company that develops GPEXE®, the tracking system that grants elite sport technical staff to analyze the physical performance of the athletes through high technology wearable. In its products, the company provides with scientific rigor the most innovative metrics implementing metabolic and muscular analysis of the performance. http://www.gpexe.com

Firstbeat Technologies Ltd. [Finland]

Firstbeat is the leading provider of physiological analytics for sports, fitness, performance and wellbeing. Firstbeat facilitates better training optimization, reduces injury risks, and helps fast-track player development. Over 700 elite sports teams in top leagues around the world rely on Firstbeat to take the guesswork out of coaching decisions. http://firstbeat.com

Gait Up SA [Switzerland]

Combining smart sensors and biomechanics, Gait Up provides objective motion analysis solutions for Sports and Health with wearables that rival accuracy of legacy motion labs. Based on inertial sensors called Physilog®, we propose motion analysis software for different applications including Running Analysis, Gait Analysis, Physical Activity monitoring.

Our technology differs from usual wearables by providing products with research-grade reliability, drift-free accuracy, auto-calibration convenience, and robust customization to specific applications. http://www.gaitup.com

h/p/cosmos sports & medical GmbH [Germany]

Through the long history of more than 25 years in producing running-machines, h/p/cosmos has become THE treadmill specialist for sports, true medical (MDD) and oversize treadmills. h/p/cosmos produces a range of running machine systems from robust, reliable and MDD-certified machines to oversize machines for wheelchair athletes, cyclists and skiers. There are over 100 different models which combine unweighting systems, safety systems, software solutions and other patented support solutions. http://www.h-p-cosmos.com/en

Human Kinetics Europe Ltd [United Kingdom]

Human Kinetics is committed to providing quality information and educational products in physical activity and health fields. Our customers include students who study physical activity and health issues, professionals who apply sport, physical activity and health knowledge in delivering useful services, and the public who engage in fitness and sports activities in many forms. http://www.human kinetics.com/

HUR [Finland]

HUR is a world leading vendor of intelligent exercise equipment and performance testing products. In Essen we are introducing our brand new exercise equipment solutions with automated Power and Intensity measurement. All data is automatically gathered during a regular workout session and stored in our cloud based HUR SmartTouch system for easy but comprehensive analysis and reporting. HUR is also a manufacturer of balance and jump testing platforms with versatile analysis software. Please visit us at the exhibition for a demonstration. http://www.hur.fi

InBody [Germany]

InBody is one of the global leaders in body composition analysis. Thousands of fitness, medical and research professionals, in over 70 countries around the world, are using InBody’s analyzers. In less than one minute the InBody precisely estimates the amounts of e.g. muscle mass, fat mass, water and lean mass and fat in each body segment. InBody’s results are highly correlated with gold standard methods like DEXA. http://www.inbody.com

Journal of Sport and Health Science (JSHS) [China]


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 renowned as a 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

**MDT Int’l s.a. [Switzerland]**

MDT Int’l SA is dedicated fully to the development of medical devices based on Hyaluronic Acid in a number of specialized therapeutic areas such as orthopedics and sports medicine (musculoskeletal). Established in Geneva, Switzerland, since 2007, we continuously cater to the market by providing customers with a portfolio of innovative and quality patented medical devices, and we pride ourselves in being creative and proactive in new concepts and approaches.

http://www.mdtsa.ch/

**Medicap Homecare GmbH [Germany]**

Medicap was founded in 1981 in Ulrichstein/Germany. Medicap’s product portfolio today consists of certified medical devices for the field of vascular medicine, Diabetology, angiology and wound therapy.

https://www.medicap.de/english/

**MICROGATE SRL [Italy]**

Microgate works in four fields: Professional Training, Training & Sport, Medical Rehab and Engineering.

In Training field the main products are: Optolump Next (Run and Jump analysis), Gyko inertial measurement tool for the analysis of the movement of any body segment, Witty Timer and WittySEM (smart indicator for training for reactivity, agility, motor-cognitive abilities)

http://www.microgate.it

**Monark Exercise AB [Sweden]**

The new generation of Monark bikes is developed with the cyclist in mind.

With a perfect position, modern force and open source connect ability it offers models for any situation within Sports & Medical area.

http://www.monarkexercise.se

**Moticon GmbH [Germany]**

Moticon develops, manufactures, and distributes fully integrated sensor insoles and software for analyzing human foot dynamics. The sensor insole have unique characteristics such as its wireless design, the outstanding ease of use and its high data quality.

http://www.moticon.de

**movisens GmbH [Germany]**

movisens combines expertise in the mobile sensing of psychological and physiological data to provide research grade tools for ambulatory assessment.


**myon AG [Switzerland]**

myon offers wireless, very small and lightweight sensors that are very easy to use and still perfectly fulfill the high measurement standards required by international scientific societies. These are EMG sensors and inertial measurement units (IMUs), including a 3-axial gyroscope, accelerometer and magnetometer as well as foot switches. Through use of a constant and low latency transmission, you can measure in real time and synchronise with other systems.

http://www.myon.ch

**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 behaviors to chronic disease risk. PAL’s Activator™ provides researchers with real-time feedback on sedentary behavior and physical activity, allowing dynamic behavioral interventions to be delivered.

http://www.paltechnologies.com

**PhysioFlow / Manatec Biomedical [France]**

PhysioFlow® is a unique range of non-invasive 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

**PHYSIOMED ELEKTROMEDIZIN AG [Germany]**

We offer high-quality products for physical and biomechanical diagnostics and therapy forms based upon state of the art technology. Our mission is to realize innovative solutions with the objective of perfecting therapeutic work and to develop new groundbreaking approaches to therapy and diagnostics.

http://www.physiomed.de

**Podo Medi Netherlands B.V. [The Netherlands]**

Podo Medi is specialized in health management via vitamins and interesting products. Effectivity of health in sports is our vision.

http://www.podomi.com/

**POWERbreathe International Ltd [United Kingdom]**

POWERbreathe International Ltd [United Kingdom]

POWERbreathe is the World’s #1 provider of breathing training devices. For nearly 20 years, POWERbreathe has been the breathing training device of choice for experts in the field of Human Performance and in Health & Medical. POWERbreathe Inspiratory Muscle Training (IMT) devices include the World’s 1st Intelligent Digital Breathing Trainers, with an independent, international, 6 Nation, Clinical Medical Research study endorsing these as Gold Standard devices.

www.powerbreathe.com POWERbreathe Altitude & Environmental Systems (United Kingdom)

POWERbreathe Altitude & Environmental Systems (IPBES) provide the most comprehensive range of simulated altitude and environmental condition devices in the market place. The innovative, affordable and extensive range of inflatable modular rooms, includes an exclusive, bespoke design for the hpi/cosmos Saturn, Venus and other models of treadmills. Bespoke systems available on request.

http://www.powerbreathe.com

**RBM elektronik-automation GmbH [Germany]**

The Cyclus2 is an innovative state-of-the-art cycling ergometer packed with electronic and IT solutions, comprising of standardized performance tests, isokinetic mode, lateral oscillation, and training- and programming applications. Due to its versatility, functionality and user-friendliness it is used by sports scientists, high performance centres, coaches and top-class cyclists worldwide.

**Realtrack Systems [Spain]**

Wimu Pro is the most advanced professional sports performance tracking system for use indoors and outdoors. Real time performance data is available on pitch-side tablets & raw data available post session/post-match for investigative and historical evaluation. Equipped with multiple sensors and the latest Intel processors, Wimu Pro is fast and reliable, easy to install and already used by leading organisations, research facilities, sports science and sports medicine teams around the globe.

http://www.realtracksystems.com

**Renew Health Limited [Ireland]**

Renew ECP Therapy uses compression of the calves, thighs & buttocks in time with certain stages of the cardiac cycle. The result is significantly enhanced blood flow throughout the body. Early data from research with elite athletes shows great potential as both an acute recovery, and long-term performance enhancement modality.

http://renewhealthlimited.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

**S. Karger AG [Switzerland]**

Karger Publishers is a leading international publisher of books and journals in basic and clinical sciences. During the ECSS we are pleased to present the latest publications in the book series ‘Medicine and Sport Science’ (www.karger.com/WSS) and a wide range of related publications.

http://www.karger.com/

**Simi Reality Motion Systems GmbH [Germany]**

Simi systems are high-speed camera based systems using state of the art industrial image processing technology. Our mission is to develop high end image based movement analysis technology with a clear focus on the user friendliness and new technology algorithms with focus on a start of the art markerless motion tracking.

http://www.simi.com

**SRM - Schoberer Rad Meßtechnik GmbH [Germany]**

The SRM High Performance Ergometer with integrated SRM Training System level of sports performance measurement to the laboratory or university setting. Each SRM ErgoMeter is tested, calibrated and certified for protocol measurements with data accuracy with less than 0.5% error.

http://www.srm.de

**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.tmg.si

**UCAM University [Spain]**

UCAM University promotes sports and physical activity science. We provide to our students the opportunity their sports modality at all levels. UCAM provides high reputed masters in the field of sports such as High Performance Sports: Strength and conditioning, MBA Sport Management and Physical conditioning and rehabilitation in soccer.

http://www.sportsmanagement.ucam.edu/

**Velamed GmbH, Qualisys AB, Bertec Corp. [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. Velamed is distributor for Noraxon EMG and sensor systems, Qualisys optical Motion Capture systems and Bertec instrumented treadmills and force plates. For further information please see:

www.noraxon.com
www.qualisys.com
www.bertec.com

http://www.velamed.com

**Vicon Motion Systems Ltd. [United Kingdom]**

Vicon delivers 3D movement analysis systems in sports training and research department's worldwide. Its flagship camera line, the Vantage, offers the highest resolution, frame rates and accuracy available, allowing detailed motion capture in almost any environment. Vera is Vicon's next generation camera, combining size, power, and price performance into one amazing solution.

https://www.vicon.com

**Wisepress Ltd [United Kingdom]**

Wisepress.com, Europe's leading conference book seller, attend around 200 conferences every year. We have an extensive range of books and journals relevant to the themes of this conference available at our booth. We also have a comprehensive range of STM titles available on our online bookshop. Follow us on Twitter @WisepressBooks

http://www.wisepress.com

**Woodway GmbH [Germany]**

WOODWAY treadmills are specifically requested by professional sports teams, medical & rehabilitation facilities and high-usage fitness facilities worldwide because of their patented design that provides a superior running surface for users, owners and operators. With scientific accuracy, great ride feel and fully adjustable setup, the WATTBIKE is the world's most advanced indoor training bike.

http://www.woodway.de
Succeed when it counts

Kistler delivers unique solutions for dynamic force measurement with maximum precision

How to understand human movement? How to improve performance? Coaches, physiotherapists and kinesiologists seek the answers to these questions. We can help to find them. Kistler force measurement systems capture highly dynamic forces with maximum precision and provide key performance indicators. This is the basis to understanding and improving. With over 50 years of experience, you can rely on our excellence in technology. Our experts are at your service worldwide.

www.kistler.com/biomechanics
### 22nd annual Congress of the European College of Sport Science - ECSS MetropolisRuhr 2017 - Germany, July 5-8

**Wednesday 5th July 2017**

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<td>12:00 - 13:30</td>
<td>OP-PM02 ASPETAR FOOTBALL SCIENCE AWARD</td>
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<td>12:00 - 13:30</td>
<td>OP-PM61 CARDIOVASCULAR EFFECTS OF EXERCISE</td>
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<td>OP-BN02 MUSCLE-TENDON FUNCTION</td>
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<td>12:00 - 13:30</td>
<td>OP-PM60 STROKE AND PARKINSON DISEASES</td>
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<td>12:00 - 13:30</td>
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<td>13:30 - 14:00</td>
<td>Break - Snack at exhibition hall 1A</td>
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<td>14:00 - 15:30</td>
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<td>14:00 - 15:30</td>
<td>OP-PM53 ANKLE AND ACL INJURIES</td>
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<td>14:00 - 15:30</td>
<td>OP-PM09 PERFORMANCE AND RECOVERY</td>
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<td>14:00 - 15:30</td>
<td>OP-BN04 NEUROPHYSIOLOGY</td>
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<td>15:30 - 17:00</td>
<td>IS-PM04 INDIVIDUALISATION IN RECOVERY SCIENCE</td>
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<td>15:30 - 17:00</td>
<td>OP-PM06 NUTRITION AND SUPPLEMENTS 1</td>
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<td>15:30 - 17:00</td>
<td>OP-PM04 GENOMICS, PROTEOMICS AND MUSCLE MOLECULAR BIOLOGY</td>
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<td>15:30 - 17:00</td>
<td>OP-PM10 HEALTH AND FITNESS IN CHILDREN AND ADOLESCENTS 2</td>
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<td>15:30 - 17:00</td>
<td>OP-PM11 COACHING: PERFORMANCE</td>
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<td>15:30 - 17:00</td>
<td>OP-BN03 BIOMECHANICS: COORDINATION AND RUNNING</td>
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<td>17:15 - 18:30</td>
<td>Plenary Session I - INDIVIDUALITY - SOCIAL AND PHYSIOLOGIC PERSPECTIVES FOR FITNESS AND HEALTH</td>
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<td>18:30 - 19:00</td>
<td>Industry awards</td>
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<td>19:00 - 20:00</td>
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<td>20:00 - 21:00</td>
<td>Opening Reception sponsored by City of Essen</td>
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**Wednesday 5th July 2017**

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<tr>
<td>12:00 - 13:30</td>
<td>OP-BN09 MOVEMENT VARIABILITY</td>
<td>OP-BN01 MOTOR CONTROL: SKILL ACQUISITION</td>
<td>OP-PM16 TRAINING IN KINDERGARTEN AND SCHOOL</td>
<td>OP-SH01 COGNITION AND WELLBEING</td>
<td>OP-SH03 SPORT ORGANISATION AND POLITICS</td>
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<td>14:00 - 15:30</td>
<td>OP-BN07 BIOMECHANICS: SOCCER</td>
<td>OP-PM17 COMBAT SPORTS</td>
<td>OP-PM62 METHODS IN EXERCISE PHYSIOLOGY 1</td>
<td>OP-SH02 HISTORY AND ETHICS</td>
<td>OP-SH04 DETERMINANTS OF PA IN ADULTS</td>
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<td>15:30 - 17:00</td>
<td>OP-BN21 NEUROMUSCULAR FATIGUE</td>
<td>OP-PM59 EFFECTS OF EXERCISE IN OBESITY</td>
<td>15-SH08 SERIOUS GAMES IN SPORT AND HEALTH – CHANCES AND CHALLENGES</td>
<td>OP-SH05 PHYSICAL EDUCATION AND LEARNING</td>
<td>OP-SH06 SPORT MANAGEMENT AND SOCIETY</td>
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<td>08:00 - 09:30</td>
<td>Invited &amp; Orals</td>
<td>IS-PM03 TRAINING CHILDREN'S HEARTS</td>
<td>IS-PM08 DIETARY NITRATE AS AN ERGOGENIC AID</td>
<td>OP-PM08 ESSA - ECSS EXCHANGE THERMOREGULATION</td>
<td>IS-BN04 RESIDUAL FORCE ENHANCEMENT</td>
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<td>IS-EX02 JSPFSA-ECSS EXCHANGE SYMPOSIUM</td>
<td>IS-SP01 NUTRITION FOR MUSCLE AND TENDON ADAPTATION - SPONSORED BY GSSI</td>
<td>OP-PM12 ECCENTRIC EXERCISE</td>
<td>IS-BN06 NEW INSIGHTS IN BIOMECHANICS OF MUSCLE CONTRACTION</td>
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<td>09:45 - 11:15</td>
<td>Invited &amp; Orals</td>
<td>IS-PM08</td>
<td>IS-PM05 TRAINING AND TESTING IN VARIOUS SPORTS 1</td>
<td>CP-PM12 CARDIOVASCULAR PHYSIOLOGY</td>
<td>IS-BN06 MUSCLE INJURIES AND DAMAGE</td>
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<td>11:15 - 11:30</td>
<td>Break</td>
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<tr>
<td>11:30 - 12:45</td>
<td>Plenary Session II - DEVELOPMENT OF TALENTED PLAYERS TO WORLD CHAMPIONS IN FOOTBALL</td>
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<tr>
<td>12:45 - 14:00</td>
<td>Lunch break / Boothtalk at h/p/cosmos booth No 4: the NEW instrumented treadmill for 3D force measurement and other special high-performance treadmills (exhibition hall 1A)</td>
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<td>13:00 - 14:00</td>
<td>Print posters I</td>
<td>CP-HE05 SPORT MANAGEMENT</td>
<td>CP-PM05</td>
<td>CP-PM12</td>
<td>CP-PM13</td>
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<td>14:00 - 15:00</td>
<td>Mini - Orals A</td>
<td>MO-PM01 CLINICAL ASPECTS OF HEALTH AND FITNESS</td>
<td>MO-PM03 NUTRITION AND SUPPLEMENTS</td>
<td>MO-PM02 NEUROPHYSIOLOGY AND MOTOR LEARNING</td>
<td>MO-PM06 TESTING, TRAINING AND RECOVERY</td>
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<tr>
<td>15:00 - 16:00</td>
<td>Mini - Orals B</td>
<td>MO-PM25 EXERCISE AND TRAINING IN DISEASE</td>
<td>MO-PM07 PERFORMANCE TESTING</td>
<td>MO-PM04 INTERVAL TRAINING 1</td>
<td>MO-PM05 COACHING AND TRAINING: MIXED SESSION</td>
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<td>16:00 - 16:15</td>
<td>Coffee break</td>
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<td>16:15 - 17:45</td>
<td>Invited &amp; Orals</td>
<td>IS-PM10 STRATEGIES FOR OPTIMIZING ELITE ENDURANCE EXERCISE PERFORMANCE</td>
<td>IS-PM05 HOT TOPICS IN ALTITUDE MEDICINE AND ALTITUDE TRAINING</td>
<td>OP-PM14 BODY COMPOSITION</td>
<td>OP-PN15 ENERGY METABOLISM AND HORMONES</td>
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<td>17:45 - 18:00</td>
<td>Break</td>
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<td>18:00 - 19:30</td>
<td>Invited &amp; Orals</td>
<td>IS-SP02 SPORTS ENGINEERING METHODS … SPONSORED BY ADIDAS</td>
<td>IS-PM01 THE ROLE OF THE SYSTEMIC AND LOCAL ENVIRONMENT IN SKELETAL MUSCLE …</td>
<td>OP-PN21 TALENT IDENTIFICATION AND DEVELOPMENT</td>
<td>IS-BN03 MUSCLE-TENDON UNIT PROPERTIES AND RUNNING ECONOMY</td>
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### Thursday 6th July 2017

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<td>08:00 - 09:30</td>
<td><strong>Invited &amp; Orals</strong></td>
<td><strong>OP-BN05</strong> INJURY PREVENTION</td>
<td><strong>OP-PM62</strong> METHODS IN EXERCISE PHYSIOLOGY 2</td>
<td><strong>OP-PM40</strong> TRAINING IN LEISURE SPORT</td>
<td><strong>OP-PM65</strong> EFFECTS OF TRAINING: MIXED SESSION</td>
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<td>09:45 - 11:15</td>
<td><strong>Invited &amp; Orals</strong></td>
<td><strong>OP-PM19</strong> DEVELOPING YOUNG ATHLETES</td>
<td><strong>OP-PM64</strong> TRAINING IN THE ELDERLY</td>
<td><strong>OP-PM41</strong> OCCUPATIONAL ASPECTS OF HEALTH AND PHYSICAL ACTIVITY</td>
<td><strong>IS-SH01</strong> LEVERAGING SPORT EVENTS FOR SPORT PARTICIPATION AND DEVELOPMENT</td>
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<td>13:00 - 14:00</td>
<td><strong>Print posters I</strong></td>
<td><strong>CP-PM15</strong> ORTHOPAEDICS AND REHABILITATION: MIXED SESSION</td>
<td><strong>CP-PM16</strong> FEMALES, ELITE ATHLETES AND VIBRATION: MIXED SESSION</td>
<td><strong>CP-PM17</strong> VENTILATION, HYPOXIA, HEALTH AND FITNESS</td>
<td><strong>CP-PM18</strong> BRAIN AND COGNITION</td>
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<td>14:00 - 15:00</td>
<td><strong>Mini - Orals A</strong></td>
<td><strong>MO-PM15</strong> SWIMMING AND CYCLING</td>
<td><strong>MO-PM23</strong> FUNCTIONAL MOVEMENT AND INJURY PREVENTION</td>
<td><strong>MO-SH05</strong> SOCIAL SCIENCES: MIXED SESSION</td>
<td><strong>MO-SH07</strong> MENTAL HEALTH AND PSYCHOLOGICAL WELLBEING</td>
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<td>15:00 - 16:00</td>
<td><strong>Mini - Orals B</strong></td>
<td><strong>MO-PM28</strong> REHABILITATION OF BACK AND SHOULDER</td>
<td><strong>MO-PM12</strong> COACHING: TENNIS AND GOLF</td>
<td><strong>MO-SH06</strong> PHYSICAL EDUCATION AND PEDAGOGY</td>
<td><strong>MO-PM31</strong> ELBOW AND KNEE</td>
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<td>16:15 - 17:45</td>
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<td><strong>OP-BN10</strong> BIOMECHANICS: GAIT</td>
<td><strong>IS-BN09</strong> MODALITIES OF INTERPERSONAL COORDINATION</td>
<td><strong>IS-SH02</strong> STRESS REGULATION AND PHYSICAL ACTIVITY</td>
<td><strong>OP-SH09</strong> SPORT EVENTS AND SOCIETY</td>
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<td>18:00 - 19:30</td>
<td><strong>Invited &amp; Orals</strong></td>
<td><strong>OP-BN08</strong> SPORT TECHNOLOGY</td>
<td><strong>OP-PM23</strong> ACUTE EFFECTS OF HIT</td>
<td><strong>IS-SH03</strong> GETTING THE MOVES: BODILY LEARNING IN THREE MOVEMENT CULTURES</td>
<td><strong>OP-SH10</strong> CURRICULUM DEVELOPMENT</td>
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## 22nd annual Congress of the European College of Sport Science - ECSS MetropolisRuhr 2017 - Germany, July 5-8

**Friday 7th July 2017**

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<td></td>
<td>IS-PM02 EXERCISE AND THE BRAIN</td>
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<td>IS-EX01 CSS-ECSS EXCHANGE SYMPOSIUM: EXERCISE PERFORMANCE...</td>
<td>IS-BN07 BIG DATA IN SPORTS</td>
<td>OP-BN07 ADAPTATIONS OF THE MUSCLE-TENDON SYSTEM</td>
<td>OP-PM24 TESTING IN GAME SPORTS</td>
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<td>IS-SP03 ACHIEVING TOP PERFORMANCE... SPONSORED BY ASPETAR</td>
<td>OP-PM52 NUTRITION AND SUPPLEMENTS 2</td>
<td>IS-PM11 RESISTANCE TRAINING IN YOUTH ATHLETES</td>
<td>IS-BN02 BRAIN AND NEUROMUSCULAR FUNCTION IN OLD AGE</td>
<td>OP-PM27 INTERVENTIONS TO OPTIMIZE RECOVERY</td>
<td>OP-PM26 SPORTS TECHNOLOGY: GAME SPORTS</td>
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<td>11:30 - 12:45</td>
<td>Plenary Session III - INCLUSION IN SPORT</td>
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<td>12:45 - 14:00</td>
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<td>13:00 - 14:00</td>
<td>13:00 CONVENTIONAL PRINT POSTER SESSIONS IN GROUND LEVEL-WEST</td>
<td>CP-SH03 SPORT PSYCHOLOGY 1</td>
<td>CP-SH04 SPORT PSYCHOLOGY 2</td>
<td>CP-BN04 COORDINATION AND MOTOR CONTROL</td>
<td>CP-BN03 NEUROMUSCULAR FUNCTION 1</td>
<td>CP-PM04 TRAINING AND PERFORMANCE IN TEAM SPORTS</td>
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<td>14:00 - 15:00</td>
<td>Mini - Orals - A</td>
<td>MO-PM09 TRAINING AND TESTING: FOOTBALL</td>
<td>MO-PM20 NUTRITION: MIXED SESSION</td>
<td>MO-PM11 TRAINING AND TESTING IN VARIOUS SPORTS 2</td>
<td>MO-PM21 INJURIES, RISK FACTORS, INCIDENCE AND PREVENTION</td>
<td>MO-PM24 MOLECULAR BIOLOGY AND BIOCHEMISTRY</td>
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<td>Mini - Orals - B</td>
<td>MO-PM16 TRAINING AND TESTING IN VARIOUS SPORTS 3</td>
<td>MO-PM29 HYPOXIA AND BLOOD FLOW RESTRICTION 1</td>
<td>MO-PM18 AGEING, BALANCE AND STABILITY</td>
<td>MO-PM22 INJURIES IN THE LOWER LIMB</td>
<td>MO-PM26 BIOMECHANICS: RUNNING, CUTTING AND JUMPING</td>
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<td>IS-PM06 FASCIA - AN EXTENSIVELY OVERLOOKED TISSUE</td>
<td>IS-EX03 ACSM-ECSS EXCHANGE SYMPOSIUM</td>
<td>IS-BN05 MOLECULAR BIOLOGY 1</td>
<td>OP-PM28 PHYSIOLOGY AND TRAINING IN CYCLING</td>
<td>OP-BN13 EXERCISE AND THE BRAIN</td>
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<td>IS-PM07 THE INDIVIDUAL HUMAN PHENOTYPE</td>
<td>IS-PM13 MACRO AND MICRO VASCULAR DYSFUNCTION</td>
<td>IS-BN01 SPECIFICITY OF BALANCE AND BALANCE TRAINING</td>
<td>OP-PM31 PACING IN CYCLING AND WINTER SPORTS</td>
<td>OP-PM30 ATHLETIC TRAINING IN GAME SPORTS</td>
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# 22nd annual Congress of the European College of Sport Science - ECSS MetropolisRuhr 2017 - Germany, July 5-8

## Friday 7th July 2017

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<td>OP-SH11</td>
<td>IS-SH07</td>
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<td>PERFORMANCE IN JUMPING AND SPRINTING</td>
<td>DEVELOPMENT OF YOUTH FOOTBALL PLAYERS</td>
<td>VOLTION IN SPORT AND PHYSICAL ACTIVITY</td>
<td>HEALTH AND PHYSICAL ACTIVITY IN DIFFERENT CONDITIONS</td>
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<td>09:45 - 11:15</td>
<td>OP-BN12</td>
<td>OP-PM58</td>
<td>IS-SH05</td>
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<td>BALANCE AND POSTURE</td>
<td>TRAINING AND EXERCISE IN CLINICAL POPULATIONS 1</td>
<td>DOPING PREVENTION - THE ROLE OF COACHES</td>
<td>FACTORS INFLUENCING PHYSICAL ACTIVITY</td>
<td>PHYSIOLOGY IN LONG DISTANCE SPORTS</td>
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<td>CP-BM06</td>
<td>CP-BM07</td>
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<td>KINEMATIC ANALYSES IN BIOMECHANICS</td>
<td>LIFESTYLE, PHYSICAL ACTIVITY AND HEALTH</td>
<td>AGEING</td>
<td>BALANCE AND PROPRIORCEPTION</td>
<td>STRENGTH TRAINING</td>
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<td>MO-PM27</td>
<td>MO-PM26</td>
<td>MO-SH01</td>
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<td>TRAINING AND PERFORMANCE IN THE ELDERLY</td>
<td>HEALTH AND FITNESS IN CHILDREN</td>
<td>SPORTS IN SOCIETY: MIXED SESSION</td>
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<td>15:00 - 16:00</td>
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<td>MO-PM30</td>
<td>MO-SH03</td>
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<td>OBESITY AND BONE: MIXED SESSION</td>
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<td>LEISURE ACTIVITY AND HEALTH</td>
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<td>16:15 - 17:45</td>
<td>OP-PM29</td>
<td>OP-PM57</td>
<td>IS-SH06</td>
<td>OP-SH13</td>
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<td>MONITORING TEAM SPORT ATHLETES</td>
<td>TRAINING AND EXERCISE IN CLINICAL POPULATIONS 2</td>
<td>HOW TO INTEGRATE PEDAGOGY OF HEALTH AND PHYSICAL EDUCATION...</td>
<td>ATHLETIC CAREER</td>
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<td>18:00 - 19:30</td>
<td>OP-BN14</td>
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<td>PERFORMANCE ANALYSIS IN TEAM SPORTS</td>
<td>CORTICAL AND CORTICOSPINAL EXCITABILITY</td>
<td>PREVENTION OF SEXUAL HARASSMENT AND ABUSE IN SPORTS</td>
<td>SOCIAL FACTORS AND SPORT</td>
<td>METHODS IN EXERCISE PHYSIOLOGY 3</td>
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### 22nd annual Congress of the European College of Sport Science - ECSS MetropolisRuhr 2017 - Germany, July 5-8

**Saturday 8th July 2017**

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<th>Panorama/West</th>
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<td>08:00 - 09:30</td>
<td>Invited &amp; Orals</td>
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<td>09:30 - 09:45</td>
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<td>11:15 - 11:30</td>
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<td>11:30 - 12:45</td>
<td>Plenary Session IV - BACK PAIN - PREVENTION AND THERAPY IN THE MODERN SOCIETY</td>
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<td>12:45 - 14:00</td>
<td>Lunch break (Foyer West)</td>
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<td>13:00 - 14:00</td>
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<td>13:00 CONVENTIONAL PRINT POSTER SESSIONS IN GROUND LEVEL- WEST</td>
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<td>18:00 - 19:00</td>
<td>Closing ceremony</td>
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<td>20:00 - 03:00</td>
<td>Congress Party at Schöner Alfred (Delta Essen)</td>
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<td>OP-BN15 MODELING SPORTS PERFORMANCE</td>
<td>OP-PM54 SLEEP: THE GOOD AND THE BAD</td>
<td>OP-PM23</td>
<td>OP-PM68 CEREBRAL BLOOD FLOW AND OXYGENATION</td>
<td>OP-PM71 WINTERSPORTS, ATHLETICS, AND ROWING</td>
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<td>13:00 - 14:00</td>
<td>CP-PM02 STRENGTH AND POWER</td>
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<td>CP-PM08 BIOCHEMISTRY AND NUTRITION</td>
<td>CP-PM11 MUSCLE PHYSIOLOGY AND REPAIR</td>
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<td>CP-PM18 NEUROMUSCULAR ASPECTS OF STRENGTH</td>
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