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 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 committe
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, soci-
CONGRESS PRESIDENTS
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Petra Platen (GER)

CONGRESS VICE PRESIDENT
Thomas Jaitner (GER)

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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 Düsseldorf 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 the Opening Ceremony
- Admission to the Closing Ceremony
- Admission to the Congress Party
*pre-booking required

THE REGISTRATION FEE FOR ACCOMPANYING PERSONS INCLUDES:
- Admission to exhibition
- Admission to the Opening Ceremony
- 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 ADDITIONAL EXHIBITORS (MINIMUM OF TWO FREE DELEGATES PER COMPANY) INCLUDES:
- Admission to all scientific sessions
- Admission to the Opening Ceremony
- Admission to the Closing Ceremony
- Admission to the Congress Party
*pre-booking required

CONGRESS STAFF
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.

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 contexts. The content ranges from inactivity to high intensity 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

framework of the YIA ceremony on Saturday, July 8, 2017, cannot be considered for the award prize.

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 and 3rd – EUR 1,500
- 4th – 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 Europal).

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.

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 after 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 ICGNI, 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 ICs (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 Schalkel). 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 “Rüffenscheider 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
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 SALTN 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.
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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

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: M/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
Room: Mailand (South)
Time: 13:00 - 14:00

Please find more information here.
No registration required.

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

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: Deutschand/South

Awards Ceremony
Wednesday, July 5
18.30 – 19.00
Room: Europa/West
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
Plenary sessions

Wednesday, July 5th, 2017
17:15 - 18:30
Europa/West PS-PL01
INDIVIDUALITY – SOCIAL AND PHYSIOLOGIC PERSPECTIVES FOR FITNESS AND HEALTH
Chair(s):
PEDESEN, B. [DENMARK]
GRIMMINGER-SEIDENSTICKER, E. [GERMANY]
17:15 PS-PL01-1
CONSUMERS, ACTIVE LEISURE AND PERFORMATIVE RATIONALIZATION
SASSATELLI, R. [ITALY]
17:55 PS-PL01-2
INDIVIDUALITY - A PHYSIOLOGICAL PERSPECTIVE
HOPPELER, H. [SWITZERLAND]

Thursday, July 6th, 2017
11:30 - 12:45
Europa/West PS-PL02
DEVELOPMENT OF TALENTED PLAYERS TO WORLD CHAMPIONS IN FOOTBALL
Chair(s):
DUDA, J. [UNITED KINGDOM]
FERRAUTI, A. [GERMANY]
11:30 PS-PL02-1
DEVELOPING ELITE FOOTBALL PLAYERS: PRACTICE, SPECIFICITY, AND PLASTICITY
WILLIAMS, A. [UNITED STATES]
12:10 PS-PL02-2
SCIENTIFIC SUPPORT FOR ELITE FOOTBALL - LESSONS FROM BRAZIL 2014
MAYER, F. [GERMANY]

Friday, July 7th, 2017
11:30 - 12:45
Europa/West PS-PL03
INCLUSION IN SPORT
Chair(s):
ABEL, T. [GERMANY]
11:30 PS-PL03-1
PROSTHESSES AND ORTHOSES – HOW DO THEY EFFECT LOAD MANAGEMENT AND SPORTS PERFORMANCE?
BRÜGGEMANN, G. [GERMANY]
12:10 PS-PL03-2
THE BUSINESS OF INCLUSIVE SPORT: A PHILOSOPHICAL ANTHROPOLOGY OF UTOPIA
HAYES, P. D. [UNITED KINGDOM]

Saturday, July 8th, 2017
11:30 - 12:45
Europa/West PS-PL04
BACK PAIN – PREVENTION AND THERAPY IN THE MODERN SOCIETY
Chair(s):
MAYER, F. [GERMANY]
PLATEN, P. [GERMANY]
11:30 PS-PL04-1
NEW INSIGHTS INTO MOTOR ADAPTATIONS IN LOW BACK PAIN AND NECK PAIN: IMPLICATIONS FOR SPORTS MEDICINE AND REHABILITATION
FALLA, D. [UNITED KINGDOM]
12:10 PS-PL04-2
PHYSICAL ACTIVITY AND BIOPSYCHOSOCIAL MODULATION IN MUSCULOSKELETAL PAIN: HOW TO CONCEPTUALIZE HEALTH-PROMOTING ACTIVITY?
HASSENBURG, M. [GERMANY]
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<th>Time</th>
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<th>Authors/Institutions</th>
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<td>12:00</td>
<td>OP-PM03</td>
<td>ENDURANCE AND PERFORMANCE</td>
<td>Hartmann, U. (Germany)</td>
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<td>A COMPARISON OF DICARBONYL STRESS AND ADVANCED GLYcation ENDPRODUCTS</td>
<td>Beneke, R. (Germany)</td>
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<td>IN LIFELONG ENDURANCE ATHLETES VERSUS SEDENTARY CONTROLS</td>
<td>MAESSEN, M. ET AL (NETHERLANDS)</td>
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<td>12:15</td>
<td>OP-PM02</td>
<td>DIETARY NITRATE SUPPLEMENTATION ATTENUATES PROGRESSIVE LOSS OF EFFICIENCY DURING PROLONGED MODERATE-INTENSITY EXERCISE</td>
<td>TAN, R. ET AL (UNITED KINGDOM)</td>
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<td>12:30</td>
<td>OP-PM03</td>
<td>HOW DO ELITE CYCLISTS COMBINE HIGH-SPRINT AND ENDURANCE PERFORMANCE?</td>
<td>VAN DER ZWAARD, S. ET AL (NETHERLANDS)</td>
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<td>12:45</td>
<td>OP-PM02</td>
<td>INFLUENCE OF LIGHT EXPOSURES ON CYCLING PERFORMANCE AND MELATONIN LEVELS IN MALE ELITE ENDURANCE ATHLETES – A DOUBLE-BLIND RANDOMIZED CONTROLLED TRIAL</td>
<td>KNAIER, R. ET AL (SWITZERLAND)</td>
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<td>13:00</td>
<td>OP-PM03</td>
<td>MUSCULOSKELETAL CHARACTERISTICS FOR ELITE DISTANCE RUNNERS AND NON-</td>
<td>COMPETITIVE KENYANS KUNIMASA, Y. ET AL (JAPAN)</td>
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<td>LINKAGE BETWEEN HEART RATE KINETICS AND CARDIOVASCULAR CONTROL DURING ORTHOSTATIC STRESS</td>
<td>KOSCHATE, J. ET AL (GERMANY)</td>
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<td>MIXED-EFFECTS MODELLING OF HEART RATE VARIABILITY INDICES IN ELITE SWIMMERS</td>
<td>PERERA-LLUNA, A. ET AL (SPAIN)</td>
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<td>PHYSICAL TRAINING PROMOTES SIMILAR EFFECTS TO THE BLOCKADE OF ANGIOTENSIN-CONVERTING ENZYME ON THE CARDIAC MORPHOLOGY AND FUNCTION IN OLD FEMALE RATS SUBJECTED TO PREMATURE OVARIAN FAILURE</td>
<td>SOUZA, H. ET AL (BRAZIL)</td>
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<td>THE EFFECT OF SEDENTARY BEHAVIOUR ON CARDIOVASCULAR BIOMARKERS IN ACTIVE, HEALTHY ADULTS</td>
<td>HOLDER, S. ET AL (UNITED KINGDOM)</td>
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<td>THE EFFECT OF COLD WATER IMMERSION ON MEDIAL GASTROCNEMIUS MUSCLE ARCHITECTURE AND PERFORMANCE POST-EXHAUSTIVE STRETCH-SHORTENING CYCLE EXERCISE</td>
<td>KOSITSKY, A. ET AL (FINLAND)</td>
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<td>12:00</td>
<td>OP-PM01</td>
<td>MUSCLE-TENDON LENGTH AND FORCE AFFECT HUMAN TibIALIS ANTERIOR CENTRAL APONEUROSIS STIFFNESS IN VIVO</td>
<td>RAEBET, B. ET AL (AUSTRALIA)</td>
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<td>12:15</td>
<td>OP-PM01</td>
<td>MUSCLE-TENDON INTERACTION DURING AN ENERGY DISSIPATION TASK</td>
<td>WERKHAUSEN, A. ET AL (NORWAY)</td>
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<td>12:30</td>
<td>OP-PM01</td>
<td>MONITORING MUSCLE-TENDON ADAPTATION IN ELITE ATHLETES: PRELIMINARY DATA FROM A 1-YEAR LONGITUDINAL INVESTIGATION</td>
<td>KONIG, M. ET AL (GERMANY)</td>
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<td>OP-PM01</td>
<td>ACHILLES TENDON MECHANOSENSITIVITY IS PRESERVED IN OLD AGE: IN VIVO EVIDENCE FROM A 1.5 YEARS LONG RESISTANCE TRAINING INTERVENTION</td>
<td>EPRO, G. ET AL (GERMANY)</td>
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<td>OP-PM01</td>
<td>EIGHT WEEKS OF PROGRESSIVE RESISTANCE TRAINING DO NOT CHANGE PLANTARFLAREX MUSCLE-TENDON PROPERTIES IN CHILDREN WITH SPASTIC CEREBRAL PALSY</td>
<td>KRUSE, A. ET AL (AUSTRIA)</td>
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<td>THE EFFECT OF COLD WATER IMMERSION ON MEDIAL GASTROCNEMIUS MUSCLE ARCHITECTURE AND PERFORMANCE POST-EXHAUSTIVE STRETCH-SHORTENING CYCLE EXERCISE</td>
<td>KOSITSKY, A. ET AL (FINLAND)</td>
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<td><strong>New York/West</strong></td>
<td>OP-PM05</td>
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<td><strong>Brüssel/West</strong></td>
<td>OP-BN01</td>
<td><strong>L/South</strong></td>
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<td>OP-BN05</td>
<td>SPORT ORGANISATION AND POLITICS</td>
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12:15  OP-SH03-2
INDEPENDENCE OF INDEPENDENT SPORTS FEDERATIONS OF TURKEY
ÖZGÜN, A. ET AL [TURKEY]

12:30  OP-SH03-3
ORGANIZATION DEVELOPMENT THROUGH SPORT PROGRAMS – THE CASE OF THE PROGRAM „BEWEGT ALTER WERDEN IN NRW”
DEITERS-WIEBER, A. ET AL [GERMANY]

12:45  OP-SH03-4
THE SPORTS ORGANIZATIONS ROLE TO COUNTER TERRORISM ‘A STRATEGIC STUDY OF THE EGYPTIAN SPORTS CLUBS’
ABDELKHALEK, M. [EGYPT]

13:00  OP-SH03-5
THE DEVELOPMENT OF HIGH PERFORMANCE SPORT THROUGH LEAGUE SYSTEMS IN INDIVIDUAL SPORTS
ZIMMERMANN, T. ET AL [GERMANY]

Wednesday, July 5th, 2017

14:00 - 15:30

Europa/West  OP-PM07
HYPOXIA AND ALTITUDE

Deutschland/South  OP-PM01
GSSI NUTRITION AWARD

Panorama/West  OP-PM53
ANKLE AND ACL INJURIES

Berlin/West  OP-PM09
PERFORMANCE AND RECOVERY

Oral & Invited Presentations

14:15  [YIA] OP-PM07-2
PERFORMANCE CHANGES FOLLOWING LITH AT 1600 OR 1800 M IN NATIONAL LEVEL RUNNERS
SHARMA, A. ET AL [AUSTRALIA]

14:30  OP-PM07-3
THE EFFECTS OF CLASSIC ALTITUDE TRAINING ON HEMOGLOBIN MASS IN ELITE ENDURANCE ATHLETES
VIKMOEN, O. ET AL [NORWAY]

14:45  OP-PM07-4
EFFECT OF HYPOXIA ON WORK ABOVE CRITICAL POWER, MUSCLE ACTIVATION AND FATIGUE DURING INTERMITTENT HIGH-INTENSITY CYCLING
TOWNSEND, N. ET AL [QATAR]

15:00  OP-PM07-5
THE RELATIONSHIP BETWEEN INTER-INDIVIDUAL VARIATION OF SPO2 AND ENDOCINE RESPONSES UNDER MODERATE HYPOXIC CONDITION
MORI, H. ET AL [JAPAN]

15:15  OP-PM07-6
EFFECT OF SWIM INTENSITY ON RESPONSES TO DYNAMIC APNEA
GUIMARD, A. ET AL [FRANCE]

14:15  [YIA] OP-PM53-2
AUGMENTED FEEDBACK TO REDUCE ACL INJURY RISK IN VOLLEYBALL PLAYERS: A SINGLE BUND, RANDOMIZED CONTROLLED TRIAL
BOSSARD, D. ET AL [IRELAND]

14:30  OP-PM53-3
DECITS IN SUBTALAR FORCE SENSE AND JOINT POSITION SENSE IN SUBJECTS WITH UNSTABLE ANKLES
HAGEN, M. ET AL [GERMANY]

14:45  OP-PM53-4
THE EFFECTS OF EARLY PROPRIOCEPTIVE TRAINING ON BALANCE AND REACTION TIME IN ACUTE ANKLE INVERSION TRAUMA
YIGIT, B. ET AL [TURKEY]

15:00  OP-PM53-5
SPORT INJURY PREVENTION IN INDIVIDUALS WITH CHRONIC ANKLE INSTABILITY: FASCIAL MANIPULATION VS CONTROL GROUP RANDOMIZED CONTROLLED TRIAL
BRANDOLINI, S. ET AL [ITALY]

15:15  OP-PM53-6
CHRONIC ANKLE INSTABILITY IS ASSOCIATED WITH DEFICITS IN PROXIMAL LOWER LIMB STRENGTH AND BALANCE: A CASE-CONTROL STUDY
KHALLAJ, N. ET AL [AUSTRALIA]
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<td>14:45</td>
<td>OP-PW39-3</td>
<td>Cardiorespiratory Fitness cut points for early detection of cardiovascula...</td>
<td>Castro-Pinero, J. et al.</td>
<td>Spain</td>
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<td>15:00</td>
<td>OP-PW39-4</td>
<td>Acute effects of exercise on neuro-physiological indices of inhibitory control in children with ADHD</td>
<td>Ludysa, S. et al.</td>
<td>Switzerland</td>
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<td>15:15</td>
<td>OP-PW39-5</td>
<td>Children with moderate to severe intellectual disability have low physical fitness levels.</td>
<td>Wouters, M. et al.</td>
<td>Netherlands</td>
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<td>14:45</td>
<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.</td>
<td>Italy</td>
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<td>14:45</td>
<td>[YIA] OP-BN04-3</td>
<td>Motor imagery combined with sensory electrical stimulation induces specific spinal and corticospinal modulations</td>
<td>Traverse, E. et al.</td>
<td>France</td>
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<td>15:00</td>
<td>[YIA] OP-BN04-5</td>
<td>Modulation of the soleus h reflex when ascending and descending a staircase in young and older adults</td>
<td>Johannisson, J. et al.</td>
<td>Belgium</td>
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<td>15:15</td>
<td>OP-BN04-6</td>
<td>Acute effects of motor imagery on spinal facilitation and inhibition</td>
<td>Grospre, S. et al.</td>
<td>France</td>
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<td>14:00</td>
<td>OP-BN07-1</td>
<td>Relationship between muscle size of psoas major and kicked ball speed in soccer players</td>
<td>Wagner, H. (Austria)</td>
<td>Germany</td>
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<td>14:30</td>
<td>OP-BN07-3</td>
<td>No differences in muscle and tendon tissue properties of competitive football goalkeepers and midfielders: a pilot study</td>
<td>Konrad, A. et al.</td>
<td>Austria</td>
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<td>OP-BN07-4</td>
<td>Within session sequencing effects of balance and plyometric exercises on physical performance in youth soc...</td>
<td>Eken, O. et al. (Turkey)</td>
<td>Turkey</td>
</tr>
<tr>
<td>15:00</td>
<td>OP-BN07-5</td>
<td>Explosive technical actions increase fatigue index in the RSA urinary soc...</td>
<td>Blasco-Lafarga, C. et al.</td>
<td>Spain</td>
</tr>
<tr>
<td>15:00</td>
<td>OP-PM17-5</td>
<td>Quantifying neuromuscular fatigue induced by repeated thal-style roundhouse kicks</td>
<td>Cimadoro, G. et al. (United Kingdom)</td>
<td>Germany</td>
</tr>
<tr>
<td>14:00</td>
<td>OP-PM17-1</td>
<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>
<td>Germany</td>
</tr>
<tr>
<td>14:15</td>
<td>OP-PM17-2</td>
<td>Standardizing a whole-body acoustic-based endurance test in U15 German judo athletes – approaching percentile ranks</td>
<td>Kirchschlager, K. et al. (Germany)</td>
<td>Germany</td>
</tr>
<tr>
<td>14:30</td>
<td>OP-PM17-3</td>
<td>Energy system contributions in upper- and lower-body wingate tests in judo athletes</td>
<td>Franchini, E. et al. (Brazil)</td>
<td>Brazil</td>
</tr>
<tr>
<td>14:45</td>
<td>OP-PM17-4</td>
<td>Acute effects of different warm up protocols, on 30 m. speed, flexibility, vertical jump, strength, balance and anaerobic power performances in judokas</td>
<td>Koenig, O. et al.</td>
<td>Turkey</td>
</tr>
<tr>
<td>15:00</td>
<td>OP-PM17-6</td>
<td>Epidemiology of competition injuries in Olympic-style judo athletes: a prospective cohort study</td>
<td>Düsan, C. et al. (Slovakia)</td>
<td>Slovakia</td>
</tr>
<tr>
<td>14:00</td>
<td>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.</td>
<td>Italy</td>
</tr>
<tr>
<td>14:30</td>
<td>OP-BN04-3</td>
<td>Motor imagery combined with sensory electrical stimulation induces specific spinal and corticospinal modulations</td>
<td>Traverse, E. et al.</td>
<td>France</td>
</tr>
<tr>
<td>14:45</td>
<td>OP-BN04-4</td>
<td>Effects of 1-hour Achilles tendon vibration on postural control in young and older adults</td>
<td>Penzer, F. et al.</td>
<td>Belgium</td>
</tr>
<tr>
<td>15:00</td>
<td>OP-BN04-5</td>
<td>Modulation of the soleus h reflex when ascending and descending a staircase in young and older adults</td>
<td>Johannisson, J. et al.</td>
<td>Belgium</td>
</tr>
<tr>
<td>15:15</td>
<td>OP-BN04-6</td>
<td>Acute effects of motor imagery on spinal facilitation and inhibition</td>
<td>Grospre, S. et al.</td>
<td>France</td>
</tr>
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<td>14:00</td>
<td>OP-PM17-2</td>
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</tr>
<tr>
<td>14:00</td>
<td>OP-PM62-1</td>
<td>Wheelchair basketball: are arm crank and wheelchair treadmill ergometry suitable assessment tools?</td>
<td>Reer, R. (Austria)</td>
<td>Germany</td>
</tr>
<tr>
<td>14:30</td>
<td>OP-PM62-3</td>
<td>Estimation of the mechanical power for the self-movement of the extremities in the endurance sports depending on the movement frequency</td>
<td>Clauss, M. et al. (Germany)</td>
<td>Germany</td>
</tr>
<tr>
<td>14:45</td>
<td>OP-PM62-4</td>
<td>The impact of load carriage on ladder ergometer climbing</td>
<td>Barron, P.J. et al. (United Kingdom)</td>
<td>Germany</td>
</tr>
<tr>
<td>15:00</td>
<td>OP-PM62-5</td>
<td>More insight into anaerobic capacity: w. and anaerobic work performed compared</td>
<td>Te Poelé, K.J.A. et al. (Netherlands)</td>
<td>Netherlands</td>
</tr>
<tr>
<td>14:00</td>
<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>
<td>Australia</td>
</tr>
<tr>
<td>14:15</td>
<td>OP-SH02-2</td>
<td>Sport – more than the glory of a gold medal: empowering at-risk youth through sport excellence programs</td>
<td>Pilz-Burstein, R. et al. (Israel)</td>
<td>Israel</td>
</tr>
<tr>
<td>14:30</td>
<td>OP-SH02-3</td>
<td>Olympic philosophy and its contemporary reflection</td>
<td>Hogenova, A. (Czech Republic)</td>
<td>Czech Republic</td>
</tr>
<tr>
<td>14:45</td>
<td>OP-SH02-4</td>
<td>Evaluation of the National Anti-Doping Code in Germany</td>
<td>Werdehoff, A. (Germany)</td>
<td>Germany</td>
</tr>
<tr>
<td>15:00</td>
<td>OP-SH02-5</td>
<td>Drivers of the public’s opinion regarding elite sports</td>
<td>Hallmann, K. et al. (Germany)</td>
<td>Germany</td>
</tr>
</tbody>
</table>
### Invited & Oral Presentations

#### Oral Presentations

**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

STROBL, 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

NTOUMANS, 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]

**15:30  OP-SH04-7**

THE EFFECTIVENESS OF A SCHOOL-BASED MOTOR DEVELOPMENT INTERVENTION ON FUNDAMENTAL MOVEMENT SKILL PROFICIENCY AND MARKERS OF HEALTH IN IRISH CHILDREN

BOGER, L. A. ET AL [IRELAND]

### Europa/West  IS-PM04

**INDIVIDUALISATION IN RECOVERY SCIENCE**

Chair(s):
- Meyer, T. [Germany]
- Oertzen-Hagemann, V. [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 INTERINDIVIDUAL VARIABILITY

NEDELEC, M. [FRANCE]

### Berlin/West  OP-PM10

**HEALTH AND FITNESS IN CHILDREN AND ADOLESCENTS 2**

Chair(s):
- Staiano, A. [United States]
- Ilkay, D. [Germany]

**15:30  OP-PM10-1**

GIRLS ARE LESS PHYSICALLY ACTIVE DURING SCHOOL HOURS BUT MORE ACTIVE AFTER SCHOOL COMPARED TO BOYS

MOOSES, K. ET AL [ESTONIA]

**15:45  OP-PM10-2**

THE DASH-SECOND: DISEASE, ACTIVITY AND SCHOOLCHILDREN’S HEALTH IN MARGINALIZED SCHOOLS IN PORT ELIZABETH, SOUTH AFRICA: SELECTED BASELINE RESULTS

PUHSE, U. ET AL [SWITZERLAND]

**16:00  OP-PM10-3**

CORRELATES OF PRESCHOOLS CHILDREN’S OBJECTIVELY MEASURED PHYSICAL ACTIVITY, PHYSICAL FITNESS LEVELS AND MORPHOLOGICAL DEVELOPMENT OF MUSCLE: A CROSS-SECTIONAL STUDY

PENGYU, D. ET AL [JAPAN]

**16:15  OP-PM10-4**

3D PRINTING AS A TOOL TO ENHANCE CHILDREN’S UNDERSTANDING OF PHYSICAL ACTIVITY LEVELS

MACKINTOSH, K. A. ET AL [UNITED KINGDOM]

**16:30  OP-PM10-5**

TESTING THE MOTOR PROFICIENCY BARRIER HYPOTHESIS FOR PHYSICAL ACTIVITY AND WEIGHT STATUS

LØPES, V. ET AL [PORTUGAL]

**16:45  OP-PM10-6**

THE EFFECTIVENESS OF A SCHOOL-BASED MOTOR DEVELOPMENT INTERVENTION ON FUNDAMENTAL MOVEMENT SKILL PROFICIENCY AND MARKERS OF HEALTH AMONG IRISH CHILDREN

BOGER, L. A. ET AL [IRELAND]

### Wednesday, July 5th, 2017

**15:30 - 17:00**

#### Europa/West  IS-PM04

**INDIVIDUALISATION IN RECOVERY SCIENCE**

Chair(s):
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NEDELEC, M. [FRANCE]

**PANO de TEATRO**

**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**

A PROSPECTIVE ASSOCIATION AND VALIDATION STUDY OF GENETIC VARIANTS AND HAMSTRING INJURY IN ELITE FOOTBALL PLAYERS

LARRUSKAIN, J. ET AL [SPAIN]

**16:00  [YIA] OP-PM04-3**

LOW CARBOHYDRATE TRAINING ACTIVATES MARKERS OF MITOPHAGY INDEPENDENT OF PROVISION OF PROTEIN LOW OR HIGH IN LEUCIN CONTENT

IMPEY, S. [UNITED KINGDOM]

**16:15  [YIA] OP-PM04-4**

THE VITAMIN D RECEPTOR IS A "BIOMARKER" OF HYPERTROPHIC RESPONSES TO RESISTANCE EXERCISE AND MECHANISTICALLY REGULATES MUSCLE MASS

BASS, J. J. ET AL [UNITED KINGDOM]

**16:30  [YIA] OP-PM04-5**

AGE-RELATED ANABOLIC RESISTANCE OF MYOFIBRILLAR PROTEIN SYNTHESIS TO MODERATE-DOSE PROTEIN INGESTION IS EXACERBATED IN OBESIVE INACTIVE INDIVIDUALS

SWEUNINX, B. ET AL [UNITED KINGDOM]

**16:45  [YIA] OP-PM04-6**

THE EFFECTS OF WHOLE BODY VIBRATION AND IMMOBILIZATION ON PROTEIN SYNTHESIS AND DEGRADATION PATHWAYS

AKIN, S. ET AL [TURKEY]
Wednesday, July 5th, 2017

**15:30 - 17:00**

### Rheinland/South OP-PM11

**COACHING: PERFORMANCE**

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

**IMPLEMENTATION OF A MULTI-DIMENSIONAL MONITORING SYSTEM TO IDENTIFY PERFORMANCE DECREMENTS IN HIGHLY TRAINED SWIMMERS**

Crowcroft, S. ET AL [Australia]

**15:45**

**COACHES’ PHILOSOPHIES ON THE USE OF STRENGTH TRAINING TO ENHANCE ELITE SPORTS PERFORMANCE**

Burnie, L. ET AL [United Kingdom]

**16:00**

**ENDURANCE PERFORMANCE INDICATORS ARE INFLUENCED BY STRESS AND RECOVERY**

Otter, R.T.A. ET AL [Netherlands]

**16:15**

**FROM TALENT TO ELITE BY DEVELOPING AN APPROPRIATE PACING BEHAVIOUR IN JUNIOR SPEED SKATING**

Stoter, I.K. ET AL [Netherlands]

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### New York/West OP-BN03

**BIOMECHANICS: COORDINATION AND RUNNING**

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

**15:45**

**THE EFFECTS OF SHANK INERTIA MASS MANIPULATION ON TECHNIQUE OF ELITE SPRINTER AT MAXIMUM VELOCITY**

Zhang, C. ET AL [China]

**16:00**

**ADAPTATIONS IN FOOT-GROUND INTERACTIONS DURING A PROGRESSIVE 12-WEEK RUNNING INTERVENTION IN FOOTWEAR WITH REDUCED CUSHIONING**

Coetzee, D. [South Africa]

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### Mailand/West OP-BN21

**NEUROMUSCULAR FATIGUE**

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

**15:45**

**EFFECT OF ANODAL TRANSCRANIAL DIRECT CURRENT STIMULATION ON CORTICOSPIRAL EXCITABILITY DURING A SUBMAXIMAL VOLUNTARY CONTRACTION SUSTAINED TO FAILURE**

Abdelmoula, A. ET AL [Belgium]

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### New York/West OP-BN03

**EFFECTS OF ANODAL TRANSCRANIAL DIRECT CURRENT STIMULATION ON CORTICOSPINAL EXCITABILITY DURING A SUBMAXIMAL VOLUNTARY CONTRACTION SUSTAINED TO FAILURE**

Abdelmoula, A. ET AL [Belgium]

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### Brüssel/West OP-PM59

**EFFECTS OF EXERCISE IN OBESITY**

Chair(s): Ainsworth, B. [United States]
McNarry, M. [United Kingdom]

**15:45**

**EFFECT OF EIGHT WEEKS OF YOGA EXERCISES ON C-REACTIVE PROTEIN AND SLEEP QUALITY**

Shanbhag, J. ET AL [India]

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### New York/West OP-BN03

**EFFECTS OF EXERCISE IN OBESITY**

Chair(s): Ainsworth, B. [United States]
McNarry, M. [United Kingdom]

**15:45**

**THE EFFECTS OF 12 WEEKS PILATES REFORMER TRAINING ON MAXIMUM KNEE STRENGTH AND ENDURANCE IN OBESE AND LEAN WOMEN**

Uzun, S. ET AL [Turkey]

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### L/South IS-SH08

**SERIOUS GAMES IN SPORT AND HEALTH – CHANCES AND CHALLENGES**

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

**15:30**

**SERIOUS GAMES IN SPORT AND HEALTH – A CRITICAL REVIEW**

Wiemeyer, J. [Germany]

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### New York/West OP-BN03

**EFFECTS OF EXERCISE IN OBESITY**

Chair(s): Ainsworth, B. [United States]
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### M/South OP-SH05

**PHYSICAL EDUCATION AND LEARNING**

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

**15:30**

**PLACEMENT OF VOLLEYBALL UNIT AS A TEACHING MATERIAL THROUGH ACTION RESEARCH**

Nakazawa, K. ET AL [Japan]

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### M/South OP-SH05

**PHYSICAL EDUCATION AND LEARNING**

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

**15:30**

**PLACEMENT OF VOLLEYBALL UNIT AS A TEACHING MATERIAL THROUGH ACTION RESEARCH**

Nakazawa, K. ET AL [Japan]

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### L/South IS-SH08

**SERIOUS GAMES IN SPORT AND HEALTH – CHANCES AND CHALLENGES**

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

**15:30**

**SERIOUS GAMES IN SPORT AND HEALTH – A CRITICAL REVIEW**

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### New York/West OP-BN03

**EFFECTS OF EXERCISE IN OBESITY**

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McNarry, M. [United Kingdom]

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Uzun, S. ET AL [Turkey]

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### New York/West OP-BN03

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McNarry, M. [United Kingdom]

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Uzun, S. ET AL [Turkey]
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
Chair(s):
Williams, C. [United Kingdom]
08:00 IS-PM03-1
INSIGHTS FROM EXERCISE STRESS IMAGING IN CHILDHOOD ATHLETES AND CHILDREN WITH CONGENITAL HEART DISEASE. PIELES, G. [UNITED KINGDOM]
08:30 IS-PM03-2
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
Chair(s):
Racinais, S. [Qatar]
Bärtsch, P. [Switzerland]
08:00 [YIA] OP-PM08-1
ESSA – ECSS EXCHANGE: SHOULD ENDURANCE ATHLETES COMPETING IN THE HEAT FOCUS ON COOLING BEFORE OR DURING COMPETITION? STEVENS, C. ET AL [AUSTRALIA]
08:15 OP-PM08-2
ENDOGENOUS AND EXOGENOUS HEATING HAVE DIFFERENT EFFECTS ON THE SWEAT GLANDS ION REABSORPTION RATES. GERRET, N. ET AL [JAPAN]
08:30 OP-PM08-3
COGNITIVE FUNCTION DURING EXERCISE IN THE HEAT AND THE EFFECT OF PRE-COOLING. SALDARIS, J.M. ET AL [ITALY]
08:45 OP-PM08-4
EXERCISE TRAINING IN THE COLD ENHANCES CEREBROVASCULAR FUNCTION MORE THAN TRAINING IN THERMONEUTRAL ENVIRONMENT. MILLER, G.D. ET AL [UNITED KINGDOM]

New York/West OP-DTB1
DTB TENNIS AWARD 1
Chair(s):
Ferrauti, A. [Germany]
Lames, M. [Germany]
08:00 OP-DTB1-1
EVALUATION OF SILHOUETTE-BASED MARKERLESS AND HYBRID TRACKING FOR KINEMATICS IN TENNIS. FREI, H. ET AL [GERMANY]
08:15 OP-DTB1-2
BIO-MECHANICAL ANALYSIS OF TENNIS SERVE IN YOUNG ELITE PLAYERS. PLEISSNER, H. ET AL [FRANCE]

Rheinland/South OP-PM18
COACHING OF ATHLETES
Chair(s):
Sullivan, P. [Canada]
Plessner, H. [Germany]
08:00 OP-PM18-1
THE DETERMINANTS OF A GOOD LUNGE PERFORMANCE IN FENCING. CORREA, S.C. ET AL [BRAZIL]
08:15 OP-PM18-2
INTEGRATION OF PHYSIOLOGICAL AND PSYCHOLOGICAL ACTIVITY DURING FENCING COMPETITION: CONSEQUENCES ON PHYSICAL PREPARATION. DEDIEU, P. ET AL [FRANCE]

Berlin/West IS-BN04
RESIDUAL FORCE ENHANCEMENT - AN UNDERRATED NEUROMUSCULAR PROPERTY FOR SPORT & HEALTH
Chair(s):
Seiber, W. [Germany]
Hahn, D. [Germany]
08:00 IS-BN04-1
RESIDUAL FORCE ENHANCEMENT - THE NEGLECTED NEUROMUSCULAR PROPERTY IN SPORT AND HEALTH. HERZOG, W. [CANADA]
08:30 IS-BN04-2
THE STRETCH-SHORTENING-CYCLE REVISITED: HOW RESIDUAL FORCE ENHANCEMENT CONTRIBUTES TO INCREASED PERFORMANCE. HAHN, D. ET AL [GERMANY]
09:00 IS-BN04-3
ACUTELY AND CHRONICALLY ALTERED NEUROMUSCULAR STATES INFLUENCE RESIDUAL FORCE ENHANCEMENT. POWER, G. ET AL [CANADA]

OUTSOURCING TO SPORTS CLUBS
KRACKOWSKI-ROOSEN, H. ET AL [GERMANY]
16:15 OP-SH05-4
INCLUSIVE OR EXCLUSIVE? A COMPARISON OF PE’S ATTITUDES TOWARDS INCLUSIVE PE IN GERMANY AND THE NETHERLANDS. MEIER, S. ET AL [GERMANY]

N/South OP-SH06
SPORT MANAGEMENT AND SOCIETY
Chair(s):
Grimminger-Seidensticker, E. [Germany]
Hartmann-Tews, I. [Germany]
15:30 OP-SH06-1
ETHNIC IDENTITIES, SENSE OF BELONGING AND THE SIGNIFICANCE OF SPORT IN INCLUSION. WILLIAMS, C. [UNITED KINGDOM]
15:45 OP-SH06-2
THE ACQUISITION OF MARKETING PERMISSIONS IN GERMAN PROFESSIONAL FOOTBALL CLUBS. HABENEITEN, D. ET AL [GERMANY]

Deutschland/South IS-PM08
DIETARY NITRATE AS AN ERGOGENIC AID
Chair(s):
Verdijk, L. [Netherlands]
08:00 IS-PM08-1
DIETARY NITRATE AS AN ERGOGENIC AID. VANHATALO, A. [UNITED KINGDOM]
08:30 IS-PM08-2
WHO WILL BENEFIT FROM THE ERGOGENIC PROPERTIES OF NITRATE SUPPLEMENTATION? VERDUIJ, L. [NETHERLANDS]
09:00 IS-PM08-3
PRACTICAL APPLICATION OF DIETARY NITRATE SUPPLEMENTATION IN SPORTS. BURKE, L. [ AUSTRALIA]
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
TOPELEVEL IN MEN'S TENNIS – APPROACHING
A NEW COURT-DIVISION METHOD
BORN, P. ET AL [GERMANY]

Mailand/West  OP-BN05
INJURY PREVENTION
Chair(s):
Gehler, 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 STIFF-
NESS AMONG ELITE ATHLETES
AVRILON, S. ET AL [FRANCE]

08:30  OP-BN05-3
THE EFFECT OF STRIDE LENGTH MANIPULA-
TION 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?
MALISOUX, L. ET AL [LUXEMBOURG]

09:00  OP-BN05-5
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
MONITORING ACUTE FATIGUE IN SOCCER
PLAYERS
ALI, A. ET AL [NEW ZEALAND]

08:30  OP-PM63-3
EFFECTIVE RECOVERY AND DYNAMIC SLEEP:
OBJECTIVE METHOD FOR EVALUATING TRA-
ANT SLEEPING ENVIRONMENTS
TROYNIKOV, O. ET AL [AUSTRALIA]

08:45  OP-PM63-4
MEASURE OF THE METABOLIC CAPACITIES IN
SWIMMER: COMPARISON OF A STANDARD
APPROACH WITH THE ENERGY MUSCLE
METABOLISM SIMULATION METHOD.
HELLARD, P. ET AL [FRANCE]

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

08:00  OP-PM40-1
SELF-REGULATED COMBINED HIGH-INTEN-
SIY AND SPRINT INTERVAL TRAINING CON-
FERS VASCULOPROTECTION
KILDING, A.E. ET AL [NEW ZEALAND]

08:15  OP-PM40-2
MICROPAUSE RUNNING: A MORE PALAT-
ABLE ALTERNATIVE TO MODERATE INTEN-
SIY CONTINUOUS RUNNING
WALSH, A. ET AL [IRELAND]

08:30  OP-PM40-3
TEACHING MOTIVES, GOALS, AND STRATE-
GIES OF EXPERIENCED YOGA TEACHERS.
VERGEER, I. ET AL [AUSTRALIA]

08:45  OP-PM40-4
MIND-MUSCLE CONNECTION: EFFECT OF VER-
BAL INSTRUCTIONS ON EMG DURING BENCH
PRESS IN RESISTANCE TRAINED
MALES.
SAONCELLA, M. ET AL [ITALY]

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

08:00  OP-PM65-1
AN INTERVENTION STUDY
ZELLER, S. ET AL [GERMANY]

08:15  OP-PM65-2
EFFECT OF ENDURANCE TRAINING ON SKEL-
ETAL MUSCLE AND PLASMA APELIN LEVELS
IN TYPE 2 DIABETIC RATS
SONG, W. [KOREA, SOUTH]

08:30  OP-PM65-3
NEUROPHYSIOLOGICAL CORRELATES OF FLEX-
IBILITY GAINS THROUGH MOTOR IM-
AGERY
KANSHACK, T.F.D. ET AL [FRANCE]

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. ET AL [GERMANY]

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

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

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

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

09:15  OP-SH07-6
DESIGN AND CODIFICATION STRATEGIC PLAN
OF IRAN SPORTS FEDERATION FOR THE BLIND
HABIBIRAD, A. ET AL [IRAN]
Thursday, July 6th, 2017

09:45 - 11:15

**Europa/West**  IS-EX02

**JSPSM-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

**ECCENTRIC EXERCISE**

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

10:00  OP-PM12-1
COMPARISON AMONG NINE DIFFERENT ECCENTRIC EXERCISES FOR DELAYED ONSET MUSCLE SORENESS AND LOSS OF MUSCLE STRENGTH
NOSAKA, K. ET AL [AUSTRALIA]

10:15  OP-PM12-2
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 [TAIWAIN]

10:45  OP-PM12-3
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
NEW INSIGHTS IN MUSCLE MICROSTRUCTURE AND FORCE GENERATION
RODE, C. [GERMANY]

10:45  IS-BN06-2
MULTIDIMENSIONAL MODELS FOR PREDICTING MUSCLE STRUCTURE AND FASCICLE PENNATION
WAKEING, J.M. [CANADA]

11:00  IS-BN06-3
INFLUENCE OF MUSCLE COMPRESSION ON MUSCLE FORCE: EXPERIMENTATION AND SIMULATION
SIEBERT, T. [GERMANY]

**Rheinland/South**  OP-PM13

**CARDIOVASCULAR PHYSIOLOGY**

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

09:45  [YIA] OP-PM13-1
BRAIN GREY MATTER VOLUME AND CEREBRAL HAEMODYNAMIC AND METABOLIC RESPONSES TO EXERCISE: IMPACTS OF AGE AND CARDIORESPIRATORY FITNESS
MAXWELL, J.D. ET AL [UNITED KINGDOM]

10:00  [YIA] OP-PM13-2
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]

10:15  [YIA] OP-PM13-3
LEGG BLOOD FLOW AND SKELETAL MUSCLE MICROVASCULAR PERFUSION RESPONSES TO EXERCISE IN PERIPHERAL ARTERIAL DISEASE
MENESES, A.L. ET AL [AUSTRALIA]

10:45  [YIA] OP-PM13-4
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  [YIA] OP-PM13-5
EXPLAINING TENNIS PERFORMANCE IN TALENTED TENNIS PLAYERS BY PHYSICAL FITNESS
KRAMER, T. ET AL [NETHERLANDS]

**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?
GESCHTE, D.T. ET AL [AUSTRIA]

10:15  OP-DTB2-3
THE HEALTH BENEFITS OF TENNIS: A COMPARISON OF THE PHYSIOLOGICAL CHARACTERISTICS OF SENIOR PLAYERS AND NON-PLAYERS
JACKSON, M.J. ET AL [UNITED KINGDOM]

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

10:45  OP-DTB2-5
EXPLAINING TENNIS PERFORMANCE IN TALENTED TENNIS PLAYERS BY PHYSICAL FITNESS
HEGAZY, K. ET AL [GERMANY]
Thursday, July 6th, 2017

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]

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 WEEKNESS IN “HEALTHY” AGING, WITH MODEST-TO-NEGLIGIBLE 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 PUFTAS 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
PERFORMANCE ANALYSIS
BOSSOLI, C. [ITALY]
JALINER, 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
GREIN, V. [UNITED KINGDOM]
10:15   OP-SH08-3
HOW DO INDIVIDUAL TEAM MEMBERS REGULATE THEIR BEHAVIOR TO ACHIEVE SPATIOTEMPORAL COLLECTIVE BEHAVIOR?
FEIGEAN, M. ET AL [SWITZERLAND]

Brüssel/West   OP-PM64
TRAINING IN THE ELDERLY
Chair(s):
Donath, L. [Switzerland]
Thiel, C. [Germany]
09:45   OP-PM64-1
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MCPHEE, J.S. JONES, D.A. DEGENS, H. [UNITED KINGDOM]
10:00   OP-PM64-2
A HEALTHY DIET RICH IN N-3 PUFTAS 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
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FEIGEAN, M. ET AL [SWITZERLAND]

Thursday, July 6th, 2017

9:45 - 11:15

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]

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 WEEKNESS IN “HEALTHY” AGING, WITH MODEST-TO-NEGLIGIBLE 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 PUFTAS 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]
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GREIN, V. [UNITED KINGDOM]
10:15   OP-SH08-3
HOW DO INDIVIDUAL TEAM MEMBERS REGULATE THEIR BEHAVIOR TO ACHIEVE SPATIOTEMPORAL COLLECTIVE BEHAVIOR?
FEIGEAN, M. ET AL [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**

BÄRTSCH, P. [SWITZERLAND]

16:45  **IS-PM05-2**

**HBMASS AND ALTITUDE – AN UPDATE FOCUSING ON PERFORMANCE, TRAINING AND HEALTH**

SCHMIDT, W. [GERMANY]

17:15  **IS-PM05-3**

**BEST PRACTICES IN ALTITUDE TRAINING FOR TEAM SPORTS**

GIRARD, O. [QATAR]

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**Panorama/West**  **OP-PM14**

**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**

**DIFFERENT HIGH-INTENSITY SHOCK MICROCYCLES DO NOT AFFECT PERFORMANCE COMPONENTS IN PREPUBESCENT ELITE SOCCER PLAYERS**

SLOPIANKA, M. ET AL [GERMANY]

17:15  **[YIA] OP-PM15-3**

**NON-LOCAL MUSCLE FATIGUE IS MEDIATED AT SPINAL AND SUPRASPINAL LEVELS**

SAMIRI, E. ET AL [IRAN]

17:30  **OP-PM15-4**

**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]
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<th>Chair(s)</th>
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<tbody>
<tr>
<td>16:00 - 17:30</td>
<td>MODALITIES OF INTERPERSONAL COORDINATION</td>
<td>Brüssel/West</td>
<td>Effenberg, A. (Germany)</td>
</tr>
<tr>
<td>17:30 - 19:00</td>
<td>SPORTS EVENTS AND SOCIETY</td>
<td>M/South</td>
<td>Chessler, B. (Germany)</td>
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<td>18:00 - 19:30</td>
<td>EXERCISE</td>
<td>Europa/West</td>
<td>Mackey, A. (Denmark)</td>
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<td>18:00 - 18:45</td>
<td>MUSCLE-TENDON UNIT PROPERTIES AND RUNNING ECONOMY</td>
<td>Berlin/West</td>
<td>Arampatzis, A. (Germany)</td>
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<tr>
<td>18:45 - 19:30</td>
<td>TALENT IDENTIFICATION AND DEVELOPMENT</td>
<td>Berlin/West</td>
<td>Pernold, A. (Switzerland)</td>
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<tbody>
<tr>
<td>16:00</td>
<td>AVAILABILITY OF SHARED VISUAL INFORMATION IN SOCIAL INTERACTION</td>
<td>IS-BN09</td>
<td>Vesper, C. (Hungary)</td>
</tr>
<tr>
<td>16:15</td>
<td>IN-FIELD USE OF WEARABLE MAGNETO-INERTIAL SENSORS FOR MOTOR CAPACITY, SPORT PERFORMANCE, OR RISK OF INJURY EVALUATION: STATE OF THE ART AND PERSPECTIVES</td>
<td>IS-SP02</td>
<td>Bjoern, E. (Germany)</td>
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<tr>
<td>18:00</td>
<td>THE ROLE OF THE SYSTEMIC AND LOCAL ENVIRONMENT IN SKELETAL MUSCLE HOMEOESTASIS WITH AGEING AND</td>
<td></td>
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<tr>
<td>18:45</td>
<td>EXPLORING DIFFERENCES AND SIMILARITIES FOR TALENT TRANSFER IN BASKETBALL, SOCCER AND VOLLEYBALL</td>
<td>OP-PM21</td>
<td>Pion, J. E. T. A. (Netherlands)</td>
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<tr>
<td>16:00</td>
<td>CARDIORESPIRATORY FITNESS MODERATES THE RELATIONSHIP BETWEEN PERCEIVED STRESS AND CARDIOVASCULAR RISK FACTORS</td>
<td>IS-SP02</td>
<td>Gerber, M. E T. A. (Switzerland)</td>
</tr>
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<td>16:45</td>
<td>DOES PHYSICAL ACTIVITY MODERATE THE STRESS-BURNOUT RELATIONSHIP? ISBOARD-GAUTEUR, S. E T. A. (France)</td>
<td>IS-HP03</td>
<td>Pfeiffer, M. (Germany)</td>
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<td>17:15</td>
<td>DIRECT AND BUFFERING EFFECTS OF PHYSICAL EXERCISE ON HEALTH: A RCT TO TEST</td>
<td>IS-HP03</td>
<td>Ishikawa, M. E T. A. (Japan)</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
<th>Chair(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>18:00</td>
<td>THE SYSTEMIC ENVIRONMENT AND AGING: INFLUENCE OF LIFESTYLE FACTORS AND BIOLOGICAL EFFECTS</td>
<td>IS-PM01</td>
<td>Kadi, F. (Sweden)</td>
</tr>
<tr>
<td>18:45</td>
<td>CIRCULATING MICRONAS: INTERPLAY BETWEEN HORMONAL AND INFLAMMATORY SYSTEMS, BODY COMPOSITION AND MUSCLE PERFORMANCE</td>
<td>IS-PM01</td>
<td>Kovanen, V. (Finland)</td>
</tr>
<tr>
<td>18:45</td>
<td>CHANGING THE LOCAL AND SYSTEMIC ENVIRONMENT TO IMPROVE THE ADAPTATION OF HUMAN SKELETAL MUSCLE</td>
<td>IS-PM01</td>
<td>Mackey, A. (Denmark)</td>
</tr>
<tr>
<td>18:45</td>
<td>WHEN MODELING BECOMES THE KEY TO UNDERSTANDING: THE POWER OF MODELING APPROACHES IN SPORTS SCIENCE AND ENGINEERING</td>
<td>IS-PM01</td>
<td>Senner, V. E T. A. (Germany)</td>
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<tr>
<td>18:45</td>
<td>WHEN MODELING BECOMES THE KEY TO UNDERSTANDING: THE POWER OF MODELING APPROACHES IN SPORTS SCIENCE AND ENGINEERING</td>
<td>IS-PM01</td>
<td>Senner, V. E T. A. (Germany)</td>
</tr>
<tr>
<td>18:45</td>
<td>VALIDITY OF EARLY TALENT SCREENING AND TALENT ORIENTATION</td>
<td>IS-PM01</td>
<td>Hohmann, A. E T. A. (Germany)</td>
</tr>
<tr>
<td>18:45</td>
<td>LONG-TERM STABILITY OF SPORT PERFORMANCE DURING CHILDHOOD</td>
<td>IS-PM01</td>
<td>Siener, M. E T. A. (Germany)</td>
</tr>
<tr>
<td>18:45</td>
<td>PERFORMANCE PREDICTION IN YOUTH SOCCER TALENTS</td>
<td>IS-PM01</td>
<td>Pietschonka, M. E T. A. (Germany)</td>
</tr>
</tbody>
</table>
### Oral & Invited Presentations

#### 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
Knick, 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
Alcaraz, 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
Mižamot, 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]
19:15  OP-BN08-6
INTERMITTENT HYPOXIC RESISTANCE TRAINING AFFECTS THE FORCE-VELOCITY PROFILE
Feriche, B. et al. [Spain]
19:30  OP-BN08-7
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]
19:45  OP-BN08-8
ENERGETIC CONTRIBUTION TO SMALL-SIDED SOCCER GAMES WITH DIFFERENT GAME DURATION AND NUMBER OF PLAYERS
Oh, S. et al. [Germany]
19:00  OP-BN08-9
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]
19:15  OP-BN08-10
THE “GRAVITY-FACTOR” FOR EXERCISE IN SPACE.Is HIGH-INTENSITY TRAINING IN SPACE COMPARABLE TO THAT ON EARTH?
Petersen, N. et al. [Germany]

#### 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
Oh, 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
Ben 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
Schindler, L. [Austria]
19:00  IS-SH03-3
BECOMING A BALLET BODY: RECONFIGURING DISTRIBUTED CORPORALITIES
Müller, S.M. [Germany]
19:15  IS-SH03-4
STUDYING SPORTS SCIENCE: STUDY PROJECTS AS A WAY OF TEACHING AND LEARNING
Fritschen, M. et al. [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]
18:00  OP-SH10-2
HEALTH-EDU – SPORT-RELATED HEALTH COMPETENCE OF PUPILS IN SECONDARY SCHOOLS
Hess, K. et al. [Germany]
19:00  OP-SH10-3
STUDYING SPORTS SCIENCE: STUDY PROJECTS AS A WAY OF TEACHING AND LEARNING
Fritschen, M. et al. [Germany]

#### Friday, July 7th, 2017
**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
Meeusen, R. [Belgium]
08:00 - 09:30
Friday, July 7th, 2017

FROM SPACE TO SCHOOL - NEURO-ENHANCEMENT THROUGH EXERCISE
SCHNEIDER, S. [GERMANY]
09:00
RELATIONSHIP BETWEEN COGNITION, ANTIOXIDANT DEFENCE SYSTEM AND VASCULAR FUNCTION: RATIONALE FOR EXERCISE INTERVENTIONS IN ADULTS
POLIDORI, M. C. ET AL [GERMANY]

EFFECTS OF CAFFEINE, TYROSINE AND CREATINE ON PERFORMANCE
Chair(s):
Wardenaar, F. [Netherlands]
Verdijk, L. [Netherlands]
08:00
THE EFFECT OF CARBOHYDRATE AND CAFFEINE INGESTION ON REPEAT-SPRINT CYCLING PERFORMANCE AND PHYSIOLOGICAL RESPONSES
WALDRON, M. ET AL [UNITED KINGDOM]
08:15
THE EFFECTS OF CAFFEINE, TAURINE OR CAFFEINE-TAURINE CO-INGESTION ON REPEAT-SPRINT CYCLING PERFORMANCE AND PHYSIOLOGICAL RESPONSES
WALDRON, M. ET AL [UNITED KINGDOM]
08:30
LOW, MEDIUM OR HIGH DOSE TYROSINE SUPPLEMENTATION DOES NOT INFLUENCE PROLONGED CYCLING PERFORMANCE IN THE HEAT
TUMILTY, L. ET AL [UNITED KINGDOM]
08:45
LOADING THE CHALLENGE: TYROSINE INTAKE AND CARDIOVASCULAR RESPONSES TO COMPETITION
HASE, A. ET AL [UNITED KINGDOM]

BERLIN/WEST

IS-BN07
BIG DATA IN SPORTS
Chair(s):
Lames, M. [Germany]
Kavan, M. ET AL [CANADA]
09:00
BIG DATA IN SPORTS: THE DEVELOPER PERSPECTIVE
MCCORMICK-SMITH, A. [GERMANY]
09:15
BIG DATA IN SPORTS: THE ANALYTICS PERSPECTIVE
LUCEY, P. [UNITED STATES]

PANORAMA/WEST

IS-EX01
CSSS-ECSS EXCHANGE SYMPOSIUM: EXERCISE PERFORMANCE AND HEALTH PROMOTION
Chair(s):
Zhao, J. [China]
Zhao, J. ET AL [CHINA]
08:00
DEVELOPMENT AND VALIDATION OF BODY FAT PREDICTION EQUATION IN 20-69 ADULTS
ZHANG, M. ET AL [CHINA]
08:30
INVESTIGATION THE HEALTH BEHAVIOR OF SCHOOL-AGED CHILDREN IN HARBIN, NORTHEAST CHINA
ZHANG, M. ET AL [CHINA]
09:00
USING EXERCISE AND ALTERNATE STRATEGIES TO OPTIMISE CARDIOVASCULAR HEALTH
CABLE, N. T. [UNITED KINGDOM]

REINHOLD/SOUTH

OP-BN11
ADAPTATIONS OF THE MUSCLE-TENDON SYSTEM
Chair(s):
Seynnes, O. [Norway]
Raiteri, B. [Germany]
08:00
OPERATING LENGTH AND ACTIVATION OF M. VASTUS LATERALIS FASCICLES DURING WALKING AND RUNNING
BOHM, S. ET AL [GERMANY]
08:15
COMPARISON OF VERTICAL JUMPS PERFORMANCES IN PHYSICAL EDUCATION STUDENT WITH CAUCASIAN OR WEST AFRICAN

DEUTSCHLAND/SOUTH

OP-PM44
EFFECTS OF CAFFEINE, TYROSINE AND CREATINE ON PERFORMANCE
Chair(s):
Wardenaar, F. [Netherlands]
Verdijk, L. [Netherlands]
08:00
THE EFFECT OF CARBOHYDRATE AND CAFFEINE INGESTION ON REPEAT-SPRINT CYCLING PERFORMANCE AND PHYSIOLOGICAL RESPONSES
WALDRON, M. ET AL [UNITED KINGDOM]
08:15
THE EFFECTS OF CAFFEINE, TAURINE OR CAFFEINE-TAURINE CO-INGESTION ON REPEAT-SPRINT CYCLING PERFORMANCE AND PHYSIOLOGICAL RESPONSES
WALDRON, M. ET AL [UNITED KINGDOM]
08:30
LOW, MEDIUM OR HIGH DOSE TYROSINE SUPPLEMENTATION DOES NOT INFLUENCE PROLONGED CYCLING PERFORMANCE IN THE HEAT
TUMILTY, L. ET AL [UNITED KINGDOM]
08:45
LOADING THE CHALLENGE: TYROSINE INTAKE AND CARDIOVASCULAR RESPONSES TO COMPETITION
HASE, A. ET AL [UNITED KINGDOM]

BRAZIL/WEST

OP-PM24
TESTING IN GAME SPORTS
Chair(s):
Zemkova, E. [Slovakia]
Gruber, M. [Germany]
08:00
ARE GENERAL PHYSICAL TESTS SUITABLE TO PREDICT SPECIFIC TEAM SPORT PERFORMANCE?
WAGNER, H. ET AL [AUSTRIA]
08:15
COMPARISON OF TWO REPEATED ACTIVITY TESTS AND AEROBIC FITNESS OF VOLLEYBALL PLAYERS
MECKEL, Y. ET AL [ISRAEL]
08:30
THE RELATIONSHIPS AMONG TWO REPEATED ACTIVITY TESTS AND AEROBIC FITNESS OF VOLLEYBALL PLAYERS
MECKEL, Y. ET AL [ISRAEL]
08:45
NO RELATIONSHIP BETWEEN MATCH MINUTES PLAYED AND YIRT1 IMPROVEMENTS
MURATORE, M. ET AL [ITALY]

MOLDAVIA/WEST

OP-PM25
PERFORMANCE IN JUMPING AND SPRINTING
Chair(s):
Tschan, H. [Austria]
Ishikawa, M. [Japan]
08:00
RELATIONSHIP BETWEEN ONE-REPEITION MAXIMUM OF PLANTAR FLEXORS WITH JUMPING AND SPRINTING PERFORMANCES
MICKEL, C. ET AL [GERMANY]
08:15
NEUROMUSCULAR EFFECTS TO SIX WEEKS OF LOADED COUNTERTREEMOVEMENT JUMPING WITH TRADITIONAL AND DAILY UNDULATING PERIODIZATION
ULLRICH, B. ET AL [GERMANY]
08:30
COMPARISON OF VERTICAL JUMPS PERFORMANCES IN PHYSICAL EDUCATION STUDENT WITH CAUCASIAN OR WEST AFRICAN
**Oral & Invited Presentations**

**Origins**

DRIS, T. ET AL (FRANCE)

08:45  OP-PM25-4

SPRINT MECHANICAL PROPERTIES OF FEMALE AND DIFFERENT AGED MALE SOCCER PLAYERS

BAUMGART, C. ET AL (GERMANY)

**Brüssel/West  OP-SH11**

DEVELOPMENT OF YOUTH FOOTBALL PLAYERS

Chair(s):

Isoard-Gautheur, S. [France]
Pelka, M. [Germany]

08:00  OP-SH11-1

HOW TO FACILITATE SOCCER ACTIVITY OUTSIDE OF ORGANIZED TEAM TRAININGS? RELATIONSHIPS WITH AUTONOMY-SUPPORT AND BASIC PSYCHOLOGICAL NEED SATISFACTION.

GESDAL, S. ET AL [NORWAY]

08:15  OP-SH11-2

TALENT DEVELOPMENT IN FOOTBALL: THE SPECIALISED SAMPLING MODEL

SIEGHARTSLEITNER, R. ET AL [SWITZERLAND]

**Friday, July 7th, 2017**

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]

09:45  IS-SP03-1

WORKLOAD MONITORING, PERFORMANCE ENHANCEMENT AND INJURY RISK NASSIS, G. [QATAR]

10:15  IS-SP03-2

PSYCHOLOGICAL PREDICTORS OF INJURIES IN TEAM SPORTS.

POLOG, L. [UNITED KINGDOM]

10:45  IS-SP03-3

AN INTEGRATED SPORTS MEDICINE AND SPORTS SCIENCE APPROACH FOR INJURY AND DISEASE PREVENTION IN FOOTBALL: THEORY AND PRACTICAL APPLICATION

MEYER, T. [GERMANY]

**Berlin/West  IS-BN02**

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

**Deutschland/South  OP-PM52**

NUTRITION AND SUPPLEMENTS 2

Chair(s):

Muehlbauer, T. [Germany]

09:45  OP-PM52-1

DIETARY NITRATE SUPPLEMENTATION DOES NOT IMPROVE CYCLING TIME-TRIAL PERFORMANCE IN THE HEAT KENT, G.L. ET AL [AUSTRALIA]

10:00  OP-PM52-2

SEASONAL VITAMIN D INSUFFICIENCY, PHYSICAL PERFORMANCE AND INJURY INCIDENCE IN UK-DWELLING UNIVERSITY ATHLETES: PRELIMINARY DATA FROM THE D-BICEP STUDY WILSON-BARNES, S. ET AL [UNITED KINGDOM]

10:15  OP-PM52-3

HYDROLYSED KERATIN SUPPLEMENTATION IN PHYSICALLY ACTIVE INDIVIDUALS INCREASES LEAN BODY MASS COMPARED WITH CASEIN DRENOWATZ, C. ET AL [AUSTRIA]

10:30  OP-PM52-4

A NOVEL BITTER SOLUTION CAN INCREASE SHORT-TERM POWER OUTPUT IN A 3 KM CYCLING TIME-TRIAL ETXEBARRIA, N. ET AL [AUSTRALIA]

10:45  OP-PM52-5

EPHEDRA ALKALOIDS CONTENT IN CHINESE HERBAL FORMULAS SOLD IN TAIWAN CHANG, C.W. ET AL [TAIWAN]

11:00  OP-PM52-6

BREATH CARBON STABLE ISOTOPE RATIOS AS A POTENTIAL BIOMARKER OF ENERGY INTAKE AND ENERGY BALANCE STATUS HONER, K. ET AL [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]
**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]

**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]
Linnamo, V. [Finland]

**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
Asslandar, L. et al [Germany]

**10:15 OP-BN12-3**
RELATIONS BETWEEN BALANCE ABILITY AND POSTURAL SWAY IN VISUAL DEPRIVED MONOPEDEL 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?
Rinhof, 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]

**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
Basadeg, C. et al [Turkey]

**10:00 OP-PM58-2**
MELATONIN DECREASES DIABETES MUSCULAR INFLAMMATION INDUCED BY STRENuous EXERCISE
Hatamaka, E. [Brazil]

**10:15 OP-PM58-3**
IMPROVEMENTS IN FITNESS ARE NOT OBLIGATORY FOR EXERCISE TRAINING-INDUCED IMPROVEMENTS IN CV RISK FACTORS
Hartman, Y. et al [Netherlands]

**10:30 OP-PM58-4**
EVALUATION OF MUSCLE OXIDATIVE METABOLISM DURING EXERCISE IN PATIENTS WITH AMYOTROPHIC LATERAL SCLEROSIS
Ferro, A. et al [Australia]

**9:45 - 11:15**
**Friday, July 7th, 2017**

**9/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]
Schulz, H. [Germany]

**09:45 OP-SH12-1**
ACTIVE YOUTH - PHYSICAL ACTIVITY AND MOBILITY OF ADOLESCENTS IN PUBLIC SPACES
Schnaufer, L. et al [Austria]

**09:45 OP-SH12-2**
ACUTE BIOMARKER RESPONSES TO EXERCISE IN PEOPLE WITH AND WITHOUT ABDOMINAL AORTIC ANEURYSM
Windsor, M. et al [Australia]

**09:45 OP-SH12-3**
INVESTIGATING UK-BASED COACHES’ ROLES IN THE QUEST FOR CLEAN SPORT
Patterson, L. [United Kingdom]

**10:15 OP-SH12-4**
INVESTIGATING UK-BASED COACHES’ ROLES IN THE QUEST FOR CLEAN SPORT
Patterson, L. [United Kingdom]
Oral & Invited Presentations

SPACES IN VIENNA
DIKETMUELLER, 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 VIBI RANDOMISED CONTROL TRIAL
THIEL, F. ET AL [UNITED KINGDOM]

10:30  OP-SH12-4
A PERSON-CENTERED ANALYSIS OF MOTIVATION FOR PHYSICAL ACTIVITY AND PERCEIVED NEIGHBOURHOOD ENVIRONMENT IN RESIDENTS OF ASSISTED LIVING FACILITIES
THOGERSEN-NTOUMANI, C. ET AL [AUSTRALIA]

Friday, July 7th, 2017

16:15 - 17:45
Europa/West  IS-PM06
PHYSIOLOGY IN LONG DISTANCE SPORTS
Chair(s):
Macintosh, B. [Canada]
Sousa, A. [Portugal]

09:45  OP-PM74-1
COMPARISON OF PHYSIOLOGICAL STRESS BETWEEN THE FRONT SADDLE CYCLIST AND THE REAR SADDLE CYCLIST DURING A FIVE-HOUR ENDURANCE TANDEM-BICYCLE RACE
ONODERA, S. ET AL [JAPAN]

10:00  OP-PM74-2
WHAT DOES IT TAKE TO COMPLETE A MULTISTAGE MOUNTAIN BIKE RACE?
ENGELBRECHT, L. ET AL [SOUTH AFRICA]

10:15  OP-PM74-3
PHYSIOLOGICAL AND BIOMECHANICAL DETERMINANTS OF PERFORMANCE IN WORLD-CLASS RACERWALKERS
SANTOS-CONCEJERO, J. ET AL [SPAIN]

10:30  OP-PM74-4
CHANGES IN THE NUMBER AND ACTIVATION OF CIRCULATORY T-REGULATORY CELLS AFTER A MARATHON
CLIFFORD, T. ET AL [UNITED KINGDOM]

N/South  OP-PM49
MOLECULAR BIOLOGY 1
Chair(s):
Baar, K. [United States]
Morales-Álamo, D. [Spain]

16:15  OP-PM49-3
EFFECTS OF LIFE-LONG SPORT ON MICRONA EXPRESSION PATTERN IN HUMAN SKELETAL MUSCLE
BORI, Z. ET AL [HUNGARY]

16:30  OP-PM49-2
THE EFFECT OF CADENCE ON INTRACORTICAL INHIBITION AND FACILITATION DURING SUBMAXIMAL CYCLING
LAUBER, B. ET AL [GERMANY]

16:45  OP-PM49-1
ELASTIC BAND RESISTANCE TRAINING INCREASES EXTRACELLULAR MATRIX GENES IN SKELETAL MUSCLE OF OLDER FEMALES AS EVALUATED BY RNA SEQUENCING
WESSNER, B. ET AL [AUSTRIA]

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
MOLECULAR RESPONSE TO STRENGTH EXERCISE IN HUMAN SKELETAL MUSCLE: EFFECTS OF FITNESS LEVEL AND MUSCLE FIBER COMPOSITION
LYSENKO, E.A. ET AL [RUSSIA]

17:45  OP-PM49-7
SUCCESSFUL TRAINING DESIGN FOR A ROAD CYCLING ATHLETE WITH KNEE PAIN AND MUSCULAR DYSFUNCTION: A CASE REPORT
KRAUS, K. [GERMANY]
New York/West  OP-BN13
EXERCISE AND THE BRAIN
Chair(s): Levin, O. [Belgium]
Roelands, B. [Belgium]
16:15  OP-BN13-1
THE STIMULATED CEREBELLUM: APPLICATION OF TRANSCRANIAL DIRECT CURRENT STIMULATION (TDCS) ON THE CEREBELLUM IMPROVES MOTOR ADAPTATION PIKXIA, N. ET AL [GERMANY]
16:30  OP-BN13-2
GRAY MATTER VOLUME AND WHITE MATTER INTEGRITY ARE CORRELATED WITH SUBSEQUENT COMPLEX MOTOR SKILL ACQUISITION LEHMANN, N. ET AL [SWITZERLAND]
16:45  OP-BN13-3
A CAFFEINE-MALTODEXTRIN MOUTH RINSE COUNTERS MENTAL FATIGUE VANCUTSEM, J. ET AL [BELGIUM]
17:00  OP-BN13-4
PREPARATORY CORTICAL AND SPINAL SETTINGS TO COUNTERACT ANTICIPATED AND NON-ANTICIPATED PERTURBATIONS WÄLCHLI, M. ET AL [SWITZERLAND]
17:15  OP-BN13-5
SKILL-RELATED CENTRAL MOTOR BEHAVIOUR PRECEDING LATERALIZED PRACTICE PATTERNS IN SHORT BADMINTON BACKHAND SERVES SKRZEBA, C. ET AL [GERMANY]
17:30  OP-BN13-6
SPORT-SPECIFIC MOVEMENT-PRECEDING CORTICAL MOTOR LEARNING PROCESSES DURING ARCHERY – APPROACHING SKILL ACQUISITION VOOGT, T. ET AL [GERMANY]

Mailand/West  OP-PM29
MONITORING TEAM SPORT ATHLETES
Chair(s): Sperlich, B. [Germany]
Fernandez-Fernandez, J. [Spain]
16:15  OP-PM29-1
SEASONAL VARIATIONS IN TRAINING, PHYSICAL FITNESS, AND ANTHROPOMETRY IN FEMALE ELITE YOUTH SOCCER PLAYERS: THE ROAD TO THE GERMAN CHAMPIONSHIP LEINSKI, M. ET AL [GERMANY]
16:30  OP-PM29-2
EFFECTS OF THE COMPETITIVE SEASON ON THE ISOKINETIC MUSCLE PARAMETERS CHANGES IN WORLD CLASS HANDBALL PLAYERS MAURELLI, O. [FRANCE]
16:45  OP-PM29-3
AN AUTOMATED SOLUTION FOR PLANNING, TRAINING AND ANALYZING PERFORMANCE IN TEAM SPORTS: APPLICATION TO BASKETBALL SANTOS, W. ET AL [BRAZIL]
17:00  OP-PM29-4
HEART RATE MEASURES DURING A HIT SHOCK MICROCYCLE: A METHODOLOGICAL COMPARISON SCHNEIDER, C. ET AL [GERMANY]
17:15  OP-PM29-5
JUMP TESTING TO ASSESS RESTORATION OF PERFORMANCE IN ELITE RUGBY UNION PLAYERS ADAM, G. ET AL [IRELAND]
17:30  OP-PM29-6
EFFECT OF THE COLLECTING METHOD ON SESSION-RPE IN YOUTH SOCCER PLAYERS FANCHINI, M. ET AL [ITALY]

Brüssel/West  OP-PM57
TRAINING AND EXERCISE IN CLINICAL POPULATIONS 2
Chair(s): Mougos, V. [Greece]
Pilz-Burstein, R. [Israel]
16:15  OP-PM57-1
SAFETY AND TOLERANCE OF THE INFLUENZA VACCINE IN POLISH ELITE ATHLETES - OUR EXPERIENCE FROM THE OLYMPIC GAMES IN 2016 KRZYWANSKI, J. ET AL [POLAND]
16:30  OP-PM57-2
EFFECTS OF A 1-WEEK STAY IN THE MOUNTAINS ON 20-M SHUTTLE RUN TEST PERFORMANCE IN CHILDREN WITH ASTHMA MUKHERJEE, S. ET AL [SINGAPORE]
16:45  OP-PM57-3
PREVALENCE OF THE FEMALE ATHLETE TRIAD AMONG SECONDARY SCHOOL ATHLETES IN SINGAPORE MUKHERJEE, N. ET AL [SINGAPORE]
17:00  OP-PM57-4
THE INNOVATIVE MOTOR INTERVENTION EFFECT IN CHILDREN ATTENDING THE TEACH ROOM LOURENÇO, C. ET AL [PORTUGAL]
17:15  OP-PM57-5
EFFECT OF EXERCISE INTENSITY ON THE ACUTE RESPONSE OF ARTERIAL STIFFNESS IN PEOPLE WITH AND WITHOUT ABDOMINAL AORTIC ANEURYSM PERISSIOU, M. ET AL [AUSTRALIA]
17:30  OP-PM57-6
HELPING DUAL CAREER ATHLETES TO RECOVER FROM INJURY: A DUAL CAREER SUPPORT PROVIDERS’ (DCSPS’) PERSPECTIVE DEBRUYT, S. ET AL [BELGIUM]

L/South  IS-SH06
HOW TO INTEGRATE PEDAGOGY OF HEALTH AND PHYSICAL EDUCATION FOR SCHOOL SUBJECT?
Chair(s): Yoshinori, O. [Japan]
16:15  IS-SH06-1
HEALTH AND PHYSICAL EDUCATION FROM A EUROPEAN PERSPECTIVE CLOES, M. [BELGIUM]
16:45  IS-SH06-2
EXPLORING THE IMPACT OF PUBLIC HEALTH AGENDAS IN PHYSICAL EDUCATION TEACHER EDUCATION: AN AUSTRALIAN PERSPECTIVE McCUIAIG, L. [AUSTRALIA]
17:15  IS-SH06-3
EMOTIONAL STATES ASSOCIATED WITH BEST PERFORMANCE; RESULTS FROM A LARGE ONLINE STUDY LANE, A. ET AL [UNITED KINGDOM]

M/South  OP-SH13
ATHLETIC CAREER
Chair(s): Beckmann, J. [Germany]
Raschner, C. [Austria]
16:15  OP-SH13-1
ELEVATED BASELINE WORK RATE SLOWS PULMONARY OXYGEN UPTAKE KINETICS AND DECREASES CRITICAL POWER DURING UPRIGHT CYCLING GOULDING, R. ET AL [UNITED KINGDOM]
16:30  OP-SH13-2
THE VO2 PLATEAU IS RELATED TO OXYGEN DEFICIT AND OXYGEN KINETICS PERRET, C. ET AL [SWITZERLAND]
16:45  OP-SH13-3
IDENTIFICATION OF WITHIN-CAREER CHALLENGES FOR DUTCH FEMALE GYMNASTS DURING DIFFERENT STAGES OF ATHLETIC DEVELOPMENT BLIJLEVENS, S. ET AL [NETHERLANDS]
17:00  OP-SH13-4
IDENTIFICATION OF WITHIN-CAREER CHALLENGES FOR DUTCH FEMALE GYMNASTS DURING DIFFERENT STAGES OF ATHLETIC DEVELOPMENT PERRET, C. ET AL [SWITZERLAND]
17:15  OP-SH13-5
IDENTIFICATION OF WITHIN-CAREER CHALLENGES FOR DUTCH FEMALE GYMNASTS DURING DIFFERENT STAGES OF ATHLETIC DEVELOPMENT PERRET, C. ET AL [SWITZERLAND]
Oral & Invited Presentations

Friday, July 7th, 2017

18:00 – 19:30

Europa/West IS-PM07

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

Chair(s):
Bloch, W. [Germany]

18:00 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]

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]

18:15 OP-PM51-2

NUTRITIONAL INTAKE IN ELITE CROSS-COUNTRY SKIERS DURING A SIMULATED SPRINT RACE
CARR, A. ET AL [AUSTRALIA]

18:30 OP-PM51-3

NUTRITION STATUS OF YOUNG FEMALE ELITE GERMAN FOOTBALL PLAYERS VON ANDRIAN-WERBURG, J. ET AL [GERMANY]

18:45 OP-PM51-4

ACUTE EFFECTS OF TWO DIFFERENT TYPES WARM-UP STRATEGIES ON PHYSICAL PERFORMANCE IN PROFESSIONAL JUNIOR TENNIS PLAYERS
FERROLI, D. ET AL [ITALY]

19:00 OP-PM51-5

THE HORSE RACING INDUSTRY’S PERCEPTION OF JOCKEY NUTRITION AND WEIGHT-MAKING
MARTIN, D. ET AL [UNITED KINGDOM]

19:15 OP-PM51-6

A COMPARISON OF DIETARY ASSESSMENT METHODS WITHIN ELITE YOUTH SOCCER PLAYERS: A PLACE FOR NEW TECHNOLOGY?
NAUGHTON, R. J. ET AL [UNITED KINGDOM]

Berlin/West IS-BN01

SPECIFICITY OF BALANCE AND BALANCE TRAINING

Chair(s):
Wenderoth, N. [Switzerland]

18:00 IS-BN01-1

BALANCE CONTROL – SPECIFIC NEUROMUSCULAR CHANGES WITH AGE
BAUDRY, S. [BELGIUM]

18:30 IS-BN01-2

BALANCE TRAINING – SPECIFIC ADAPTATIONS WITH AGE
TAUBE, W. [SWITZERLAND]

19:00 IS-BN01-3

BALANCE AND BALANCE TRAINING – TASK SPECIFICITY
GRUBER, M. ET AL [GERMANY]

18.30 IS-PM30-2

PHYSICAL PERFORMANCE, ANTHROPOMETRIC PROFILE AND MATURITY DEPEND ON PLAYING-POSITION AND HANDHELDNESS IN YOUNG ELITE HANDBALL PLAYERS
KARCHER, C. ET AL [FRANCE]

18.30 OP-PM30-3

ACUTE EFFECTS OF TWO DIFFERENT TYPES WARM-UP STRATEGIES ON PHYSICAL PERFORMANCE IN PROFESSIONAL JUNIOR TENNIS PLAYERS
LÓPEZ-SAMANES, A. ET AL [SPAIN]

18.45 OP-PM30-4

THE EFFECT OF TRAINING ON PERIPHERAL NEUROMUSCULAR FATIGUE INDUCED BY REPEATED CHANGE OF DIRECTION IN BASKETBALL
FERROLI, D. ET AL [ITALY]

19.00 OP-PM30-5

SKATING TECHNIQUE CHANGES IN WOMEN’S WC XC-SKIING COMPETITION
OLLONEN, P. ET AL [FINLAND]

19.15 OP-PM30-6

INFLUENCE OF START PERFORMANCE ON RACE RESULTS IN SKI CROSS AND SNOWBOARD CROSS
SPITZENPEIL, P. ET AL [GARMER]

Mailand/West OP-BN14

PERFORMANCE ANALYSIS IN TEAM SPORTS

Chair(s):
Volossovich, A. [Portugal]
Wagner, H. [Austria]

18.00 OP-BN14-1

DISCUS POSSESSION IN THE ULTIMATE FRISBEE UNDER 23 WORLD CHAMPIONSHIPS FINALS
RUSSOMANNO, T. ET AL [BRAZIL]

18.15 OP-BN14-2

ANALYSIS OF SETTERS PASSING BEHAVIOR WITHIN COMPLEX 1 IN VOLLEYBALL BY MEANS OF ARTIFICIAL NEURAL NETWORKS
SCHRAFF, N. ET AL [AUSTRIA]

18.30 OP-BN14-3

DEFENDING IN FOOTBALL: THE KEY TO ANTICIPATE SUCCESSFULLY
VICENTE, A. ET AL [PORTUGAL]
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<th>Time</th>
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<th>Authors</th>
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<tr>
<td>18:00</td>
<td>OP-BN14-4</td>
<td>Defensive Balance in Elite Football: Application of Expert Observations</td>
<td>Schulze, E. et al [Germany]</td>
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<td>18:45</td>
<td>OP-BN20-4</td>
<td>Corticospinal Changes Induced by Concentric Versus Eccentric Single-Joint Exercises</td>
<td>Garnier, Y. et al [France]</td>
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<td>19:00</td>
<td>OP-BN20-5</td>
<td>Motor Cortical Representation in Two Different Strength-Training Modalities Revealed by Transcranial Magnetic Stimulation</td>
<td>Jørgensen, R. et al [Denmark]</td>
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<td>18:00</td>
<td>OP-SH04-1</td>
<td>Prevention of Sexual Harassment and Abuse in Sports</td>
<td>Fastling, K. [Norway]</td>
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<td>18:30</td>
<td>OP-SH14-2</td>
<td>Social Factors and Sport</td>
<td>Patterson, L. [United Kingdom]</td>
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<td>18:45</td>
<td>OP-HI12-1</td>
<td>The Impact of Fatty Acid Oxidation in the Transition from Moderate to High-Intensity Exercise in Humans and the Mechanistic Basis of This Transition</td>
<td>Jorn Wulff Helge (Denmark)</td>
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<td>18:45</td>
<td>OP-HI12-2</td>
<td>Possibilities and Limitations of the PlaySmart Smart Court System Determination of Stroke Speed and Accuracy with the PlaySmart Smart Court System in Tennis</td>
<td>Steidl, C. et al [Germany]</td>
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<td>18:45</td>
<td>OP-HI12-3</td>
<td>The Impact of Carnitine Depletion on Tissue Carnitine Availability and Muscle Metabolism and Function</td>
<td>Stephan Krahenbühl [Switzerland]</td>
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<td>19:00</td>
<td>OP-HI12-4</td>
<td>One Metabolic Equivalent &lt;MET&gt; in Postmenopausal Obese Women is Not Equal to the Traditionally Accepted Resting Oxygen Consumption Value</td>
<td>Kosar, S.N. et al [Turkey]</td>
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<td>19:00</td>
<td>OP-PM69-4</td>
<td>Increasing Muscle Carnitine Availability in Humans and Its Impact on Muscle Fuel Selection and Regulation in Exercise and Health</td>
<td>Stephens, F. [United Kingdom]</td>
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<tr>
<td>18:00</td>
<td>OP-PM12-3</td>
<td>Exercise Testing and Training in Clinical Populations - From High Performance Sports to Patients</td>
<td>Scharhag-Rosenberger, F. [Germany]</td>
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<td>08:00</td>
<td>IS-PM12-1</td>
<td>The Limitations to Fatty Acid Oxidation in the Transition from Moderate to High-Intensity Exercise in Humans and the Mechanistic Basis of This Transition</td>
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<td>IS-PM12-2</td>
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<td>Stephens, F. [United Kingdom]</td>
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**Saturday, July 8th, 2017**
Oral & Invited Presentations

Berlin/West  IS-BN08
MUSCLE EMG ACTIVITIES IN SPORT SCIENCES
Chair(s):
Finni, T. [Finland]
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 UNDERSTAND-
ING OF MUSCLE COORDINATION STRATEGIES
HUG, F. [FRANCE]
09.15 OP-BN15-2
PRELOAD FOR A MORE REASONABLE PERFORMANCE PREDICTION WITH THE FITNESS
FATIGUE MODEL
LUDWIG, M. ET AL [GERMANY]
08.15 OP-BN15-3
MIXED LINEAR MODELING OF TRAINING-PERFORMANCE RELATIONSHIP IN ELITE
SWIMMERS
RODRIGUEZ, F.A. ET AL [SPAIN]
09.00 OP-BN15-4
MIXED LINEAR MODELING OF TRAINING-PERFORMANCE RELATIONSHIP IN ELITE
SWIMMERS
RODRIGUEZ, F.A. ET AL [SPAIN]
08.45 OP-BN15-5
DIFFERENT EXHAUSTIVE PROTOCOLS AFFECT ESTIMATES OF CRITICAL SPEED AND D’
TRISKA, C. ET AL [AUSTRALIA]
09.00 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]

New York/West  IS-SH09
THE PSYCHOLOGY OF JUDGMENTS AND DECISION-MAKING IN SPORT AND EXERCISE
Chair(s):
Raab, M. [Germany]
08.00 IS-SH09-1
THE POWER OF SIMPLICITY: WHY LESS-IS-MORE IN SPORT AND EXERCISE CHOICES
RAAB, M. [GERMANY]
08.30 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 CONSIDER-
ATION
MACMAHON, C. [AUSTRALIA]

Mailand/West  OP-BN15
MODELING SPORTS PERFORMANCE
Chair(s):
Hopkins, W. [Australia]
Pfeiffer, M. [Germany]
08.00 OP-BN15-1
SLEEP AND RECOVERY IN AN ELITE SUPER RUGBY UNION TEAM.
DUNCAN, I. ET AL [AUSTRALIA]
08.15 OP-BN15-2
SELF-REPORTED SLEEP CHARACTERISTICS OF TRIATHLETES COMPETING IN THE 2015 IRON-
MAN® WORLD CHAMPIONSHIP
SMITH, M. ET AL [AUSTRALIA]
08.30 OP-BN15-3
THE IMPACT OF SLEEP ON COGNITIVE AND SPORT-SPECIFIC PERFORMANCE IN ELITE
ATHLETES
KNUNFKE, M. ET AL [NETHERLANDS]
08.45 OP-BN15-4
EFFECTS OF SLEEP DEPRIVATION ON CARDIAC AUTonomic MODULATION AND ENDUR-
ANCE PERFORMANCE IN TRAINED CYCLISTS
ROBERTS, S.S.H. ET AL [AUSTRALIA]
09.00 OP-BN15-5
RECOVERY USING MULTIVARIATE DATA
PITSCH, W. ET AL [GERMANY]

L/South  OP-PM33
FATIGUE AND PERFORMANCE
Chair(s):
Coutts, A. [Australia]
Fernandez-Fernandez, J. [Spain]
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]
### Saturday, July 8th, 2017

**9:45 - 11:15**

#### Europa/West OP-PM54

**PHYSIOLOGY OF HIGH-INTENSITY EXERCISE AND TRAINING**

**Chairs:**
- Gaffney, C. (United Kingdom)
- Paoli, A. (Italy)

**09:45**

- OP-PM54-1: Self-reported carbohydrate intake during exercise assessed by a standardized questionnaire is higher than the observed carbohydrate intake. Wardenaar, F.C. et al. (Netherlands)

**10:00**

- OP-PM54-2: The effect of carbohydrate mouth rinse on intermittent sprint performance in soccer players. Karayigit, R. et al. (Turkey)

**10:15**

- OP-PM54-3: Effects of carbohydrate ingestion on maximal sprint performance and neurohormonal responses. Farn, K.D. et al. (Singapore)

**10:30**

- OP-PM54-4: The effect of protein intake on muscle mass, muscle strength and muscle function in physically active elderly individuals. Slobodová, L. et al. (Slovakia)

**10:45**

- OP-PM54-5: Aerobic-strength training and diet composition in relation with functional status, metabolism and cognitive functions in elderly individuals. Slobodová, L. et al. (Slovakia)

### Deutschland/South OP-PM50

**PROTEINS AND CARBOHYDRATES**

**Chairs:**
- Schmidt, W. (Germany)
- Paoli, A. (Italy)

**09:45**

- OP-PM50-1: The acute response to exercise in endothelial function is blunted after aerobic interval exercise but not after moderate intensity exercise training. Miall, G.K. et al. (United Kingdom)

**10:00**

- OP-PM50-2: The energetic cost of running on a non-motorized treadmill - Preliminary findings. Schoenmakers, P.P.J.M. et al. (United Kingdom)

**10:15**

- OP-PM50-3: Recovery of neuromuscular fatigue following competitive football match-play. Brownstein, C.G. et al. (United Kingdom)

**10:30**

- OP-PM50-4: Does mental exertion influence rowing performance in young athletes? Filipas, L. et al. (Italy)

**10:45**

- OP-PM50-5: Effect of age on cerebral blood flow responses to interval and continuous exercise. Klein, T. et al. (Australia)

### M/South OP-PM68

**CEREBRAL BLOOD FLOW AND OXYGENATION**

**Chairs:**
- 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 oxygen-hemoglobin changes during moderate-intensity cycling exercise: A near-infrared spectroscopy study. Tsukiji, 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)

**08:45**

- OP-PM68-4: Cerebral oxygenation during cortical activation: The differential influence of three exercise training modalities. Coertsee, C. et al. (South Africa)

**09:00**

- OP-PM68-5: Effect of age on cerebral blood flow responses to interval and continuous exercise. Klein, T. et al. (Australia)

**09:15**

- OP-PM68-6: Recovery of neuromuscular fatigue following competitive football match-play. Brownstein, C.G. et al. (United Kingdom)

### N/South OP-PM71

**WINTERSPORTS, ATHLETICS, AND ROWING**

**Chairs:**
- Holmberg, H. (Sweden)
- Federolf, P. (Austria)

**08:00**

- OP-PM71-1: Start performance in ski- and snowboard cross: Importance and optimization in competitive sport. Översten, M. et al. (Australia)

**08:15**

- OP-PM71-2: The influence of maturity status and relative age on traumatic and overuse injuries and illnesses in elite youth alpine ski racers – A two-season prospective study. Müller, L. et al. (Austria)

**08:30**

- OP-PM71-3: Laboratory-based factors predicting performance in biathlon skiing. Laaksonen, M. et al. (Sweden)

**08:45**

- OP-PM71-4: Characteristics of hurdle contact pattern and its relation with race performance in 110m hurdles. Iwasaki, R. et al. (Japan)

**09:00**

- OP-PM71-5: Synergies in rowing: How reciprocal compensation changed under the effect of varying cadences. Ktiouk, M. et al. (France)

**09:15**

- OP-PM71-6: Estimating optimal stride frequencies in running from training data. Van Oeveren, B. (Netherlands)

**09:30**

- OP-PM71-7: The influence of a six-month, high-intensity interval training intervention on the pulmonary oxygen uptake kinetics in adolescents with and without asthma. Winnow, C. et al. (United Kingdom)

**09:45**

- OP-PM71-8: Exercise training improves depot specific adipose tissue metabolism regardless of baseline glucose tolerance and sex. Motiani, P. et al. (France)

**10:00**

- OP-PM71-9: The effect of carbohydrate mouth rinse on intermittent sprint performance in soccer players. Karayigit, R. et al. (Turkey)

**10:15**

- OP-PM71-10: Effects of carbohydrate ingestion on maximal sprint performance and neurohormonal responses. Farn, K.D. et al. (Singapore)

**10:30**

- OP-PM71-11: Effects of ingesting a placebo on endurance paddling training. Atesl, L. (Cyprus)

**10:45**

- OP-PM71-12: The effect of protein intake on muscle mass, muscle strength and muscle function in physically active elderly individuals. Nuijten, M.A.H. et al. (Netherlands)

**11:00**


### Panorama/West OP-PM36

**PHYSICAL ACTIVITY AND HEALTH PROMOTION**

**Chairs:**
- Effenberg, A. (Germany)
- Gabri, H. (Germany)

**09:45**

- OP-PM36-1: Nature of approaches to promote physical activity in breast cancer survivors. Gholizadeh, Z. (Germany)

**10:00**

- OP-PM36-2: The effect of carbohydrate mouth rinse on intermittent sprint performance in soccer players. Karayigit, R. et al. (Turkey)

**10:15**

- OP-PM36-3: Effects of carbohydrate ingestion on maximal sprint performance and neurohormonal responses. Farn, K.D. et al. (Singapore)

**10:30**

- OP-PM36-4: Effects of ingesting a placebo on endurance paddling training. Atesl, L. (Cyprus)

**10:45**

- OP-PM36-5: The effect of protein intake on muscle mass, muscle strength and muscle function in physically active elderly individuals. Nuijten, M.A.H. et al. (Netherlands)

**11:00**

- OP-PM36-6: Aerobic-strength training and diet composition in relation with functional status, metabolism and cognitive functions in elderly individuals. Slobodová, 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
WARE, M. ET AL [UNITED KINGDOM]

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

10:30  OP-PM48-4
SURFACE INSTABILITY DOES NOT ADVERSELY AFFECT JUMPING PERFORMANCE: A MULTI-VARIABLE BIOMECHANICAL INVESTIGATION
POLLIIT, L. ET AL [UNITED KINGDOM]

10:45  OP-PM55-5
THE EFFECT OF PHYSIOLOGICAL AROUSAL ON THE QUIET EYE OF ELITE BADMINTON PLAYERS.
GAWIN, W. ET AL [GERMANY]

10:00  OP-BN16-2
SYNTHESIS, ABUNDANCE AND DEGRADA-
TION RESPONSES OF HUMAN MUSCLE PROTEINS TO RESISTANCE EXERCISE TRAINING
BURNISTON, J. G. ET AL [UNITED KINGDOM]

10:15  OP-PM36-3
THE APOPTOSIS PATHWAY AND GENETIC RISK FACTORS FOR ACUTE AND OVERUSE INJURIES
COLLINS, M. ET AL [SOUTH AFRICA]

10:30  OP-PM46-4
WHAT ARE THE RISK FACTORS FOR LOW BACK PAIN IN KAYAKERS?
JUNKO, W. ET AL [JAPAN]

10:45  OP-PM48-5
THE ASSOCIATION BETWEEN INTRAOCULAR PRESSURE AND BLOOD PRESSURE DURING A MAXIMAL INCREMENTAL TEST
VERA, J. ET AL [SPAIN]

10:00  OP-BN17-2
DIFFERENT MOTION PATTERNS DURING ACUTE BRAIN CHANGES FOLLOWING FORWARD JUMP LANDING IN ATHLETES WITH CHRONIC ANKLE INSTABILITY, ANKLE SPRAIN AND HEALTHY CONTROLS
LIN, J. Z. ET AL [TAIWAN]

10:15  OP-PM55-2
THE MODIFIED ANCIENT BOXING EXERCISE ON PHYSICAL PERFORMANCE IN THAI ELDERLY: A RANDOMIZED CONTROLLED TRIAL
Srisanmai, T. [THAILAND]

10:30  OP-PM46-5
THE INTRA-/ INTERMUSCULAR FLUID AFTER SEVERE MUSCLE STRAIN INJURIES HAS A PRO-INFLAMMATORY PROFILE AND DIFFEREN-
TIELY AFFECTS ISOLATED MUSCLE AND CONNECTIVE TISSUE CELLS
BAYER, M. L. ET AL [DENMARK]

10:45  OP-PM55-6
DOES THE FOOT MUSCLE STRENGTH RELATE TO THE POSTURAL STABILITY?
KOYAMA, K. ET AL [JAPAN]

10:00  OP-BN16-3
MUSCLE ACTIVITY ONSET DURING LANDING FOLLOWING ACL RECONSTRUCTION
THEISEN, D. ET AL [LUXEMBOURG]

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

10:30  OP-PM46-6
THE EFFECTS OF SENSORIMOTOR TRAINING INTERVENTION ON TRUNK STABILITY AND BACK PAIN
FETT, D. 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]

10:00  OP-BN16-3
MUSCLE ACTIVITY ONSET DURING LANDING FOLLOWING ACL RECONSTRUCTION
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THE EFFECTS OF SENSORIMOTOR TRAINING INTERVENTION ON TRUNK STABILITY AND BACK PAIN
FETT, D. 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]

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 VIGILIO, T. G. ET AL [UNITED KINGDOM]

10:00  OP-PM55-2
THE MODIFIED ANCIENT BOXING EXERCISE ON PHYSICAL PERFORMANCE IN THAI ELDERLY: A RANDOMIZED CONTROLLED TRIAL
Srisanmai, T. [THAILAND]

10:15  OP-PM55-3
THE MODIFIED ANCIENT BOXING EXERCISE ON PHYSICAL PERFORMANCE IN THAI ELDERLY: A RANDOMIZED CONTROLLED TRIAL
Srisanmai, 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 PLAYERS
OERTZEN-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):
Gollhofer, A. [Germany]

09:45  OP-BN16-1
SEVERE CALORIC RESTRICTION ELICITS NF-
KBETA SIGNALLING IN HUMAN SKELETAL MUSCLE: INFLUENCE OF EXERCISE AND PROTEIN CONTENT IN THE DIET
MORALES-ALAMO, D. ET AL [SPAIN]

09:50  OP-BN16-2
SYNTHESIS, ABUNDANCE AND DEGRADA-
TION RESPONSES OF HUMAN MUSCLE PROTEINS TO RESISTANCE EXERCISE TRAINING
BURNISTON, J. G. ET AL [UNITED KINGDOM]

10:00  OP-BN16-3
MUSCLE ACTIVITY ONSET DURING LANDING FOLLOWING ACL RECONSTRUCTION
THEISEN, D. ET AL [LUXEMBOURG]

10:15  OP-BN16-4
SURFACE INSTABILITY DOES NOT ADVERSELY AFFECT JUMPING PERFORMANCE: A MULTI-VARIABLE BIOMECHANICAL INVESTIGATION
POLLIIT, L. ET AL [UNITED KINGDOM]

10:45  OP-BN16-5
A BIOMECHANICAL COMPARISON OF CMJ PERFORMANCE FOLLOWING SHORT-TERM TRADITIONAL AND DAILY-UNDULATED LOADED VERTICAL JUMP TRAINING IN AMATEUR ATHLETES
PELZER, T. ET AL [GERMANY]

11:00  OP-BN16-6
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
OPPKERT, 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]
Rheinland/South OP-PM42
EXERCISE AND CANCER
Chair(s):
Bloch, W. [Germany]
Scharhag-Rosenberger, F. [Germany]
14:00 OP-PM42-1
LIBRE-PILOT FEASIBILITY AND RESULTS OF STRUCTURED ENDURANCE TRAINING IN BRCA1 AND BRCA2 MUTATION CARRIERS BERLING-ERNST, A. ET AL [GERMANY]
14:15 OP-PM42-2
THE PHYSICAL ACTIVITY AND FITNESS IN EUROPEAN CHILDHOOD CANCER SURVIVORS STUDY – EUROPAACCS GRYDELAND, M. ET AL [NORWAY]
14:30 OP-PM42-3
EVALUATING PHYSICAL FUNCTION IN CHILDREN WITH CANCER DURING INTENSE TREATMENT – CHALLENGES AND FEASIBILITY IN CLINICAL PRACTICE NIELSEN, M. K. F. ET AL [DENMARK]
14:45 OP-PM42-4
EVALUATION OF A HOME-BASED PHYSICAL ACTIVITY INTERVENTION USING ACTIVITY TRACKERS IN PEDIATRIC CANCER PATIENTS GÖTTE, M. ET AL [GERMANY]
15:00 OP-PM42-5
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 SÖNTGERATH, R. ET AL [GERMANY]

Mailand/West OP-BN18
NEUROMUSCULAR ASPECTS OF STRENGTH
Chair(s):
Laub, B. [Germany]
Nakayama, K. [Japan]
14:00 OP-BN18-1
INDIVIDUAL STRESS RESPONSES TO DIFFERENT TRAINING LOADS IN ENDURANCE ATHLETES HAKKARAINEN, A. ET AL [FINLAND]
14:15 OP-BN18-2
A PHYSIOLOGICAL PROFILE OF THE STRESS RESPONSE FOLLOWING RESISTANCE EXERCISE JACKMAN, J. ET AL [UNITED KINGDOM]
14:30 OP-BN18-3
ACUTE PHYSIOLOGICAL RESPONSES TO RE-SISTED SLED SPRINT TRAINING AT LIGHT OR HEAVY SLED LOADS MONAHAN, M. ET AL [IRELAND]
14:45 OP-BN18-4
IS 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]
15:00 OP-BN18-5
MODULATION OF H-REFLEX IN BEAM WALKING OF DIFFERENT WIDTHS SMAJLA, D. ET AL [SLOVENIA]
15:15 OP-BN18-6
EXPLOSIVE VS. CLASSIC STRENGTH TRAINING INDUCE TASK-SPECIFIC NEURAL PLASTICITY GIBON, L. ET AL [GERMANY]

Brüssel/West OP-BN19
MUSCLE DAMAGE AND FOAM ROLLING
Chair(s):
Cabrini, J. [Norway]
Racinais, S. [Qatar]
14:00 OP-BN19-1
THE EFFECT OF PRECONDITIONING WITH ULTRASOUND DIATHERMY ON MUSCLE DAMAGE JHUANG, Y. [TAIWAN]
14:15 OP-BN19-2
EFFECTS OF FOAM ROLLING ON MUSCLE ARCHITECTURE, EMG-ACTIVITY AND SUB-MAXIMAL ISOMETRIC STRENGTH DOEVELING, A. ET AL [GERMANY]
14:30 OP-BN19-3
HABITUAL EXERCISE DECREASES SYSTOLIC BLOOD PRESSURE DURING LOW-INTENSITY RESISTANCE EXERCISE IN HEALTHY MIDDLE-AGED AND OLDER INDIVIDUALS OTSUJI, T. ET AL [JAPAN]
15:00 OP-BN19-4
RELATIONSHIPS BETWEEN CENTRAL AND LOCAL ARTERIAL STIFFNESS IN OLDER ADULTS SHKREDOVA, D. ET AL [NETHERLANDS]
15:15 OP-BN19-5
RELATIONSHIPS BETWEEN CENTRAL AND LOCAL ARTERIAL STIFFNESS IN OLDER ADULTS SHKREDOVA, D. ET AL [NETHERLANDS]
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]

N/South  OP-PM73
METABOLISM IN DIFFERENT SPORTS

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

14:00  OP-PM73-1
EFFECT OF ACCUMULATED WALKING AND STANDING ON POSTPRANDIAL METABOLISM IN INACTIVE ADOLESCENT GIRLS
TOLFREY, K. ET AL [UNITED KINGDOM]

14:15  OP-PM73-2
EFFECT OF SMALL-SIDED FOOTBALL ON POSTPRANDIAL LIPASEMIA IN ADOLESCENT BOYS: A COMPARISON WITH MODERATE-INTENSITY EXERCISE
SMALLCOMBE, J. [UNITED KINGDOM]

14:30  OP-PM73-3
MAXIMAL FAT OXIDATION IS RELATED TO PERFORMANCE IN AN IRONMAN TRIATHLON
FRANDSEN, J. ET AL [DENMARK]

14:45  OP-PM73-4
A GREATER MAXIMAL FAT OXIDATION RATE OCCURS AT A HIGHER EXERCISE INTENSITY DURING EXERCISE IN A COLD ENVIRONMENT
GAGONON, D.D. ET AL [CANADA]

15:00  OP-PM73-5
NEGATIVE VO2 SLOW COMPONENT DURING DOWNHILL RUNNING
LEMIRE, M. ET AL [FRANCE]
### Mini-Oral Presentations

**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

**SUJABE, K. ET AL [JAPAN]**

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

EFFECT OF EXERCISE TRAINING ON CAR-DIAC 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-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]**

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

**LECTURE ROOM: PANORAMA/WEST**

**Chair(s):** Wagenmakers, 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

**TAKAO, Y. ET AL [JAPAN]**

**MO-PM02-2**

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

**SUMI, D. ET AL [JAPAN]**

**MO-PM02-3**

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

**NISHIMURA, K. ET AL [JAPAN]**

**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]**

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**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

**TAKAGI, Y. ET AL [JAPAN]**

**MO-PM03-3 [YIA]**

SODIUM NITRATE INGESTION INCREASES SKELETAL MUSCLE NITRATE CONTENT IN HUMANS

**NYAKAYIRU, J. ET AL [NETHERLANDS]**

**MO-PM03-4 [YIA]**

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

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

**MO-PM03-5**

EFFECTS OF A 9-DAY PALAEOLITHIC DIET ON ENDURANCE PERFORMANCE AND ENERGY SUPPLY

**WEINGARTEN, K. ET AL [GERMANY]**

**MO-PM03-6**

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

**NAKAMURA, N. ET AL [JAPAN]**

**MO-PM03-7**

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

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

**MO-PM03-8**

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

**LI, G.J. ET AL [TAIWAN]**

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**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**

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

**STEINHILBER, B. ET AL [GERMANY]**

**MO-BN01-4**

TEACHING POSTURAL PERFORMANCE AND SELF-PERCEPTION IN HANDSTANDS. DOES THE FEEDBACK STRATEGY MATTER?

**ROHLEDER, J. ET AL [GERMANY]**

**MO-BN01-5**

THE DIFFERENCES OF ADAPTABILITY AMONG ACQUIRED PATTERNS IN LEARNING TO JUGGLE

**YAMAMOTO, K. ET AL [JAPAN]**

**MO-BN01-6**

THE EFFECT OF VISUOSPATIAL WORKING MEMORY TRAINING ON Efficacy of Executive Function & Performance

**FATHIREZAIE, Z. ET AL [IRAN]**

**MO-BN01-7**

EFFECT OF MOTOR IMAGERY SPEEDS ON SOCCER DRIBBLING AMONG SKILLED PLAYERS

**ZAIMANI SANI, S.H. ET AL [IRAN]**

**MO-BN01-8**

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

**TAHAMASBI, F. ET AL [IRAN]**
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 DURING A FOLLOW UP OF AN INDOOR SEASON
NUELL, S. ET AL [SPAIN]

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

MO-PM06-4 [YIA]
THE EFFECT OF DIFFERENT DURATIONS OF HALF-TIME RE-WARM UP ON THE SUBSEQUENT SPRINT PERFORMANCE
YANAO, K. ET AL [JAPAN]

MO-PM06-5 [YIA]
A NOVEL D2O TECHNIQUE FOR DYNAMIC QUANTIFICATION OF SKELETAL MUSCLE RNA SYNTHESIS IN RELATION TO EXERCISE AND RIBOSOMAL BIOGENESIS
BROOK, M.S. ET AL [UNITED KINGDOM]

MO-PM06-6
CORELATION BETWEEN STATIC AND DYNAMIC BALANCE AMONG ADULTS: GENERATION DIFFERENCES
SHALAI, I. ET AL [ISRAEL]

MO-PM06-7
FEASIBILITY STUDY ON DIFFERENT KIND OF FLEXIBILITY TRAINING: VIBRATION VS. CLASSIC STRETCHING
GAHLEN, M. ET AL [GERMANY]

MO-PM06-8
THE INFLUENCE OF FOAM ROLLING ON FLEXIBILITY AND MUSCLE ARCHITECTURE
YOSHIMURA, A. ET AL [JAPAN]

MO-PM06-9
COMBINING PHYSICAL EXERCISE WITH COMPLEX TASKS CONTRIBUTES TO NEUROCOGNITIVE ACTIVATION
FUKUSHIMA, Y. ET AL [JAPAN]

MO-PM06-10
EVALUATION OF TRUNK MUSCLE FORCE IN BICYCLE PEDALING UNDER VARIOUS CONDITIONS USING INVERSE DYNAMICS CALCULATION
KITAWAKI, T. ET AL [JAPAN]

MO-PM06-11
INCREASE IN WORKRATE BY CADENCE PRODUCES GREATER GROSS EFFICIENCY WITHOUT IMPROVING PEDAL FORCE EFFECTIVENESS
KAMBA, M. ET AL [JAPAN]

MO-PM06-12
VALIDATION OF FITBIT CHARGE HR WEARABLE PHOTOPLETHYSMOGRAPHIC HEART RATE DEVICE DURING REST AND SUBMAXIMAL CYCLING
SANDERSON, M. ET AL [UNITED KINGDOM]

MO-PM06-13
THE EFFECTS OF CYCLING AND RICE BERRY CONSUMPTION ON CREATINE KINASE AND MUSCLE PAIN SCORES
SILALERTDETKUL, S. [THAILAND]

MO-PM06-14
EFFECT OF UPPER LIMB EXHAUSTIVE ACTIVITY ON CORTICOSPINAL EXCITABILITY AND MOTONEURON POOL RESPONSIVENESS OF LOWER LIMB
GHAHRAKHANLOU, R. ET AL [IRAN]

MO-PM06-15
PREVALENCE AND RISK FACTORS OF MTSS IN PETE STUDENTS
BLIEKENDAAL, S. ET AL [NETHERLANDS]

MO-SH05 Social sciences: mixed session

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

MO-SH05-1 [YIA]
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
ZAVADSKA, A. ET AL [GERMANY]

MO-SH05-3
THE INFLUENCE OF EGO DEPLETION ON SPORTING PERFORMANCE: A META-ANALYSIS
XU, Y. ET AL [CHINA]

MO-SH05-4
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
Chairs: 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
Radziszewsky, E et al [Israel]

MO-PM25-5
Functional status improves with angiotensin converting enzymes inhibitors plus exercise in hypertensive older adults
Baptista, L et al [Portugal]

MO-PM25-6
Effects of 6-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 diurnal pattern of steroid hormones
Gallo, M et al [France]

MO-PM25-9
Balance impairment in kidney transplant recipients without concurrent peripheral neuropathy
Gobbo, S et al [Italy]

MO-PM25-10
A tailored physical activity intervention and exercise prescription to improve clinical practice for oncology patients
Duregon, F et al [Italy]

MO-PM25 Performance Testing

Lecture Room: Deutschland/South
Chairs: Zemkova, E [Slovakia]
Wagner, H [Austria]

MO-PM07-1
Validity/reliability of a low-cost IMU-enhanced 50-Hz GPS receiver for team sport investigations
Padulo, J et al [Croatia]

MO-PM07-2
Validity/wrastility activity monitors for assessing cardio metabolic demand during treadmill walking/running in young adults
Okita, Y et al [Japan]
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-PM04-6  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 Coaching and training: mixed session

LECTURE ROOM: BERLIN/WEST
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  EFFECTIVENESS OF HAND COOLING ON POST-EXERCISE COOLING RATE IN HYPER-THERMIC ATHLETES MARONI, T. ET AL [AUSTRALIA]

MO-PM08 Thermoregulation and respiration

LECTURE ROOM: RHEINLAND/SOUTH
González-Alonso, J. [United Kingdom]
Racinais, S. [Qatar]

MO-PM08-1 [YIA]  PHYSIOLOGICAL MODIFICATIONS INDUCED BY ACUTE AIRBORNE PARTICLE EXPOSURE DURING HIGH INTENSITY EXERCISE BRACAGLIA, E. ET AL [ITALY]

MO-PM08-2  EFFECT OF 8-WEEK INSPIRATORY MUSCLE TRAINING ON ELITE MALE RUNNERS CHIANG, C.H. ET AL [TAIWAN]

MO-PM08-3  TIME-OF-DAY EFFECT OF SOLAR RADIATION ON THERMOREGULATION DURING OUTDOOR EXERCISE IN THE HEAT OTANI, H. ET AL [JAPAN]

MO-PM08-4  EFFECTIVENESS OF SUPRAMAXIMAL INTERVAL TRAINING IN ELITE RUGBY SEVENS PLAYERS GONÇALVES ORTIZ, J. [BRAZIL]

MO-PM08-5  THE USE OF REAL AND IMAGINED TIMED UP AND GO TASKS IN ASSESSING COGNITIVE IMPAIRMENT LUEDUC, C. ET AL [FRANCE]

MO-PM09 Ageing and neurofunction

LECTURE ROOM: NEW YORK/WEST
Garcia, J. ET AL [GERMANY]

MO-PM19-1  EFFECTS OF DIFFERENT EXERCISE MODES ON NEUROPROTECTIVE GROWTH FACTORS AND NEUROCOGNITIVE PERFORMANCE IN OLDER ADULTS WITH MILD COGNITIVE IMPAIRMENT CHUANG, C.Y. ET AL [TAIWAN]

MO-PM19-2  EVIDENCE OF DISTURBED SLEEP IN ELITE RUGBY SEVENS PLAYERS DURING HIGH TRAINING LOADS LEDUC, C. ET AL [FRANCE]

MO-PM08-6  EFFECTS OF A SHORT TERM SPRINT INTERVAL TRAINING ON ENDURANCE CAPACITY AND NEUROMUSCULAR FATIGUE BERTSCHINGER, R. ET AL [GERMANY]

MO-PM09-1  EFFECTS OF OPEN- AND CLOSED-SKILL EXERCISE INTERVENTIONS ON EXECUTIVE FUNCTIONS IN OLDER ADULTS GAN, Y.C. ET AL [TAIWAN]

MO-PM19-2  EFFECTS OF SCHROTH EXERCISE ON IDIOPATHIC SCOLIOSIS IN PATIENTS WITH 4-CURVE DOUBLE TYPE: CASE REPORT LEE, S.Y. ET AL [KOREA, SOUTH]

MO-PM19-3  RELATIONSHIP BETWEEN SEDENTARY BEHAVIOUR AND COGNITIVE PERFORMANCE CASTER, S.E. ET AL [UNITED KINGDOM]

MO-PM19-4  THE EFFECT OF A CORRECTIVE FUNCTIONAL EXERCISE PROGRAM ON POSTURAL THORACIC KYPHOSIS IN TEENAGERS: A RANDOMIZED CONTROLLED TRIAL FENG, Q. ET AL [CHINA]

MO-PM19-5  THE USE OF REAL AND IMAGINED TIMED UP AND GO TASKS IN ASSESSING COGNITIVE IMPAIRMENT LUEDUC, C. ET AL [FRANCE]

MO-PM19-6  MOTIVATION AND PHYSICAL AND MENTAL HEALTH STATUS IN “OVER FIFTIES” NON-SEDENTARY PEOPLE IONA, T. ET AL [ITALY]

MO-PM19-7  THE EFFECTS OF BDNF EXPRESSION BY EXERCISE ON HIPPOCAMPUS AND SKELETAL MUSCLE OF AGING RAT AHN, N. ET AL [KOREA, SOUTH]

MO-PM19-8  THE EFFECTS OF BDNF EXPRESSION BY EXERCISE ON HIPPOCAMPUS AND SKELETAL MUSCLE OF AGING RAT AHN, N. ET AL [KOREA, SOUTH]

MO-PM28 Rehabilitation of back and shoulder

LECTURE ROOM: MAILAND/WEST
Fett, D. [Germany]

MO-PM28-1  EFFECTS OF A REHABILITATION PROGRAM USING PILATES EXERCISES ON LOW BACK PAIN IN ATHLETES MOBARK, A. ET AL [JAPAN]

MO-PM28-2  EFFECT OF 8-WEEK GLUTEUS MEDIUS STRENGTHENING EXERCISE ON BACK MUSCLE STRENGTH AND BODY BALANCE IN FEMALE 20’S WITH CHRONIC LOW BACK PAIN PIL HA, H. ET AL [KOREA, SOUTH]

MO-PM28-3  EFFECTS OF A REHABILITATION PROGRAM USING PILATES EXERCISES ON LOW BACK PAIN IN ATHLETES MOBARK, A. ET AL [JAPAN]

MO-PM28-4  COMPARISON THE EFFECT OF AQUATIC EXERCISE AND KINESIO TAPING ON PAIN AND DISABILITY IN SUBJECTS WITH NON-SPECIFIC CHRONIC LOW BACK PAIN ALIKHAJEH, Y. ET AL [IRAN]

ECSS MetropolisRuhr 2017 - Germany, 5-8 July
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
TSURUIKE, 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-SH06 Physical education and pedagogics
LECTURE ROOM: L/SOUTH
Chair(s): Raeder, C. (Germany)

MO-SH06-1 [YIA]
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 METHOD APPROACH IN (PRE) SCHOOL CHILDREN
Staub, I. (GERMANY)

MO-SH06-5
PRE-SCHOOL MUSCULAR STRENGTH AND MUSCULAR ENDURANCE IN BOYS: A COMPARISON ACROSS THE ENGLISH AGE GROUPS
Morgan, J. ET AL (GERMANY)

MO-SH06-6
THE EFFECT OF 20 MINUTES PRE-SCHOOL MUSCLE STRETCHING CLASS ON YOUNG CHILDREN'S MUSCULAR ENDURANCE, STRENGTH AND MOVEMENT PATTERNS
Sanders, S. ET AL (GERMANY)

MO-SH06-7
RELATIONSHIP BETWEEN MENTAL AGILITY AND MUSCULAR ENDUANCE IN PHYSICALLY ACTIVE YOUNG GIRLS
Lappalainen, M. ET AL (FINLAND)

MO-PM31 Elbow and knee
LECTURE ROOM: M/SOUTH
Chair(s): Mayer, F. (Germany)

MO-PM31-1
CORRELATION BETWEEN MEDIAL ELBOW PAIN AND MEDIAL ELBOW INSTABILITY IN YOUNG ADULTS
Hiroshige, M. ET AL (JAPAN)

MO-PM31-2
SITE-RELATED DIFFERENCE IN MUSCLE SIZE INFLUENCES BALLISTIC POWER-GENERATING CAPABILITY OF ELBOW FLEXORS
Nakatani, M. ET AL (JAPAN)

MO-PM31-3
THE USEFULNESS OF SELF-CHECK FOR ELBOW AND SHOULDER INJURY IN YOUNG ADULTS
Yamasaki, T. ET AL (JAPAN)

MO-PM31-4
TREATMENT OF LATERAL EPICONDYLOSIS USING AUTOLOGOUS ADIPOSE-DERIVED MESENCHYMAL STEM CELLS: A PHASE II DOUBLE BLIND RANDOMIZED CONTROLLED TRIAL
Chung, S. (KOREA, SOUTH)

MO-PM31-5
EFFECT OF A PROGRESSIVE AND MONITORED MUSCLE STRENGTHENING PROGRAM ON THE DEVELOPMENT OF UPER LIMB STRENGTH IN PEOPLE DIAGNOSED WITH FIBROMYALGIA
Maestre-Cascales, C. ET AL (SPAIN)

MO-PM31-6
THE INFLUENCE OF CONTRALATERAL HIP FLEXION IN ELBOW VALGUS ANGLE AND THE ACTIVITIES OF ABDOMINAL AND HIP ADDUCTOR MUSCLES DURING SINGLE-LEG SQUATS
Aso, T. ET AL (JAPAN)

MO-PM09 Training and testing: Football
LECTURE ROOM: EUROPA/WEST
Chair(s): Grollhofer, 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
Chamura, P. ET AL (POLAND)

MO-PM09-3
COMPARISON OF MATCH ACTIVITIES OF PROFESSIONAL AND NON-PROFESSIONAL SOCCEK 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. ET AL (UNITED KINGDOM)
MO-PM09-6  BEGINNER GOALKEEPERS’ PREDICTIONS IN THE FAKE MOVEMENTS OF THE PENALTY KICK.
INOUE, Y. ET AL [JAPAN]

MO-PM09-7  LOCATION AND OCCURRENCE OF JOINT AND MUSCULOSKELETAL PAIN IN FOOTBALL GOALKEEPERS DURING A 5-DAY TRAINING CAMP.
KAWCZYNSKI, 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-PM09-9  A COMPARATIVE STUDY OF HEART RATE AND BLOOD LACTATE RESPONSE OF JUNIOR AND SENIOR FOOTBALL MIDFIELDERS DURING PRACTICE FOOTBALL MATCH PLAY.
GUPTA, S. ET AL [BARBADOS]

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.
MERROTSY, 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 OBSESE 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.
ROSSET, R. ET AL [SWITZERLAND]

MO-PM20-6  EFFECT OF EROGENIC AD HMB SUPPLEMENT ON SIGNAL TRANSDUCTION PATHWAY DURING OSTEOLAST PRECURSOR FORMATION.
WEI HUNG1. CHIH-LI LIN2, HORNG-CHIANG HSU3, YAO-HUNG KUO, CHEN-KANG CHANG1 [TAIWAN]

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  INFLUENCE 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.
MENTZ, L. ET AL [GERMANY]

MO-PM11-7  ACTN3 GENE POLYMORPHISM MAY PLAY A ROLE TO DETERMINE THE DURATION OF JUDO MATCHES.
ITAKA, T. ET AL [JAPAN]

MO-PM11-8  PHYSICAL FITNESS OF WOMEN AND THEIR ABILITY TO PASS AN ENTRY LEVEL FIRE FIGHTER TEST.
WILLIFORD, H. ET AL [UNITED STATES]

MO-PM21 Injuries: risk factors, incidence and prevention

Lecture Room: Berlin/West
Chair(s): Hopkins, W. [Australia]
Federoff, P. [Austria]

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

MO-PM21-2  NEUROMUSCULAR ADAPTATIONS TO EXERCISE-BASED INJURY PREVENTION PROGRAMMES IN YOUTH SPORTS: A SYSTEMATIC REVIEW WITH META-ANALYSIS OF RANDOMISED CONTROLLED TRIALS.
FAUDE, O. ET AL [SWITZERLAND]

MO-PM21-3  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-PM21-4  THE EFFICACY OF INJURY PREVENTION WARM-UP PROGRAM FOR WOMEN HANDBALL PLAYERS.
MASHIMO, S. ET AL [JAPAN]

MO-PM21-5  INJURIES IN 17-19 YEAR-OLD MALE AMATEUR SOCCER PLAYERS.
ACKERMANN, S. ET AL [GERMANY]

MO-PM21-6  MUSCLE INJURIES AT DIFFERENT AGES IN AMATEUR FOOTBALL PLAYERS.
FERRARI, P. ET AL [ITALY]

MO-PM21-7  VIDEO ANALYSIS OF TACKLING SITUATION IN WHICH CERVICAL INJURIES HAPPENED.
SUZUKI, K. ET AL [JAPAN]

MO-PM21-8  HEAD INJURIES IN PROFESSIONAL MALE FOOTBALL – LOWER INCIDENCE RATES AFTER ALTERATION OF A RULE.
BEAUDOUIN, F. ET AL [GREAT BRITAIN]

MO-PM24 Molecular biology and biochemistry

Lecture Room: Rheinland/South
Chair(s): Mougiouas, 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. ET AL [NORWAY]
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 OVERLOAD-INDUCED HYPERTROPHY OF SKELETAL MUSCLE IN RAT
KOLTAI, E. ET AL [HUNGARY]

MO-PM24-4
EFFECT OF BRIGHT LIGHT EXPOSURE BEFORE SLEEP ON URINARY METABOLITES IN HUIMANS
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 SUB-STRATE AND ENDURANCE PERFORMANCE IN RATS
KAWAMURA, T. ET AL [JAPAN]

MO-PM24-6
EFFECT OF INTENSE TRAINING ON MU-COSAL IMMUNITY IN PREPUBERAL RHYTH-MIC GYMNASTS
ANTUALPA, K. ET AL [BRAZIL]

MO-PM24-7
EFFECT OF AEROBIC FITNESS ON PLASMA ASYMMETRIC DIMETHYLARGININE CON-CENTRATIONS DURING MAXIMAL EXERCISE TEST
PAWLAK-CHAOUCH, M. ET AL [FRANCE]

MO-BN02 Biomechanics: Running, cutting and jumping
LECTURE ROOM: NEW YORK/WEST
Chair(s):
Girard, O. [Qatar]
Ishikawa, M. [Japan]

MO-BN02-1
KINEMATIC AND KINETIC DIFFERENCES BETWEEN SPRINTERS AND DISTANCE RUN-NERS
PARADISIS, G. ET AL [GREECE]

MO-BN02-2
INDICATION OF FATIGUE FORM GROUND REACTION FORCE CURVE FOR LONG DISTANCE RUNNERS
ATTAALLAH, M. ET AL [EGYPT]

MO-BN02-3
REPEATED SPRINTING ON THIRD-GENERATION ARTIFICIAL TURF DOES NOT ALTER PLANTAR LOADING IN INTERNATIONAL MALE FOOTBALL PLAYERS USING A FATIGUE INDUCING PROTOCOL
GIRARD, O. ET AL [QATAR]

MO-BN02-4
ROLE OF TRUNK MUSCLE CO-CONTRAC-TION DURING DJ FROM DIFFERENT HEIGHTS AND INSTABILITY CONDITIONS
PAULS, M. ET AL [GERMANY]

MO-BN02-5
POTENTIATING EFFECTS OF FREE WEIGHT AND ELASTIC BAND BACK SQUAT EXER-CISES ON SUBSEQUENT VERTICAL JUMP PERFORMANCE
MINA, M.A. ET AL [UNITED KINGDOM]

MO-BN02-6
DIFFERENCES AND SIMILARITIES OF KINE-MATIC TRIPLE JUMP PARAMETERS BETWEEN YOUTH-AND ELITE ATHLETES
JASPERT, A. ET AL [GERMANY]

MO-BN02-7
BIOMECHANICAL CHARACTERISTICS OF VOLLEY KICKING FOR A CROSS BALL WITH VARIOUS HIGHTS IN SOCCER
SHINKAI, H. ET AL [JAPAN]

MO-BN02-8
MINIMAL MOMENTS OF INERTIA – AN ANALYSIS OF OPTIMAL TWIST AND SOMER-
AXIAL ACCELEROMETRY
BENÍTEZ-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 KUJIRE, S. ET AL [GERMANY]
MO-SH02 Sports in society: Mixed session
LECTURE ROOM: M/SOUTH Chair(s): 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 FAR-TELK-TRAINING PROGRAM ON PERCEIVED WELLNESS OF UNIVERSITY STUDENTS OF SAUDI ARABIA ALVES, T. C. ET AL [BRAZIL]
MO-SH02-6
THE EFFECTS OF HIGH-INTENSITY TREADMILL RUNNING PROTOCOL ON SPEED PERFORMANCE IN HURDLE ATHLETES YI-CHI, W. [TAIWAN]
MO-SH02-7
RELATIONSHIP BETWEEN AFFECTIVE STATES AND PHYSIOLOGICAL STRESS AFTER MODERATE AND EXHAUSTIVE EXERCISE SUDDO, M. ET AL [JAPAN]
MO-SH02-8
RELATIONSHIPS BETWEEN VARIOUS AEROBIC FACTORS DURING AND AFTER MAXIMAL EXERCISE IN ELITE ATHLETES YAMAGISHI, T. ET AL [JAPAN]
MO-SH02-9
THE EFFECTS OF ACUTE OCCLUSION BURDEN ON MUSCLE-SPECIFIC MICORNA AND CONTEXTUAL GENE EXPRESSION PROFILE IN THIGH EXTENSOR MUSCLE TORMA, F. ET AL [HUNGARY]
MO-PM16 Training and testing in various sports 3
LECTURE ROOM: EUROPA/WEST Chair(s): Granacher, U. [Germany]
MO-PM16-1
THE ACUTE HORMONAL AND PHYSIOLOGICAL RESPONSE TO KETTLEBELL SWINGS DEPENDS DEPENDING ON LOAD, WHEN TOTAL WORK IS HELD CONSTANT RAYMOND, L. ET AL [UNited Kingdom]
MO-PM16-2
FORCES AND POSITIONS IN SUSPENSION LUNG EXERCISE AGUILERA-CASTELLS, J. ET AL [SPAIN]
MO-PM16-3
PEAK POWER OUTPUTS DURING TRUNK ROTATIONS OCCUR AT LIGHT TO MODERATE WEIGHTS, DEPENDING ON SPORTS SPECIALIZATION OF ATHLETES ZEMKOVÁ, 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 CYCLING EXERCISE AND AQUATIC EXERCISE IN HYPOBARIC HYPOXIA ON VASCULAR ADAPTATIONS AND GLUCOSE TOLERANCE OGITA, F. ET AL [JAPAN]
MO-PM29 Hypoxia and blood flow restriction 1
LECTURE ROOM: DEUTSCHLAND/SOUTH Chair(s): Raastad, T. [Norway], Hecksteden, A. [Germany]
MO-PM29-1
THE CONTROL OF THE NORMOBARIC HYPOXIA INTENSITY IN OLDER AND YOUNG PEOPLE LICHTEINSTEIN, E. ET AL [SWITZERLAND]
MO-PM29-2
MUSCLE QUALITY IN FRAIL ELDERLY INDIVIDUALS DETERMINED BY COMPUTED TOMOGRAPHY BREIT, M. ET AL [NOwAY]
MO-PM29-3
RELATIONSHIP BETWEEN AFFECTIVE STATES AND PHYSIOLOGICAL STRESS AFTER MODERATE AND EXHAUSTIVE EXERCISE SUDDO, M. ET AL [JAPAN]
MO-PM29-4
RELATIONSHIPS BETWEEN VARIOUS AEROBIC FACTORS DURING AND AFTER MAXIMAL EXERCISE IN ELITE ATHLETES YAMAGISHI, T. ET AL [JAPAN]
MO-PM29-5
THE EFFECTS OF ACUTE OCCLUSION BURDEN ON MUSCLE-SPECIFIC MICORNA AND CONTEXTUAL GENE EXPRESSION PROFILE IN THIGH EXTENSOR MUSCLE TORMA, F. ET AL [HUNGARY]
MO-PM18 Ageing: Balance and stability
LECTURE ROOM: PANORAMA/WEST Chair(s): Baudry, S. [Belgium], Donath, L. [Switzerland]
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 [NOwAY]
MO-PM18-3
THE EFFECTS OF FALL HISTORY ON KINEMATIC 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 SIT-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
Nakajima, 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
ANTERIOR CRUCIATE LIGAMENT CREPITUS AFFECTS NEUROMUSCULAR PERFORMANCE IN HEALTHY SOCCER PLAYERS
Nuccio, S. et al. [Italy]

MO-PM22-3
THE DEVELOPMENT OF DYNAMIC KNEE ALIGNMENT AFTER BALANCE AND JUMP TRAININGS TO PREVENT ANTERIOR CRUCIATE LIGAMENT INJURY
Gohda, Y. et al. [Japan]

MO-PM22-4
INVESTIGATING PHYSICAL FITNESS AS DETERMINANTS FOR THE ACL INJURY RISK IN FEMALE BASKETBALL PLAYER
Kagaia, Y. et al. [Japan]

MO-PM22-5
ILIOTIBIAL BAND STRAIN IS AFFECTED BY SEX AND POSITION
Kim, D. et al. [Japan]

MO-PM22-6
THE ASSOCIATION BETWEEN TRANSVERSE ARCH AND INJURY OF ANKLE OR KNEE IN COLLEGE SOCCER PLAYERS
Kakaya, Y. et al. [Japan]

MO-PM22-7
THE EFFECT OF A NOVEL DYNAMIC TAPE ON PERFORMANCE IN INDIVIDUALS WITH CHRONIC ANKLE INSTABILITY
Kodesh, E. [Israel]

MO-PM22-8
MUSCLE ACTIVITY IN CHRONIC EXERTIONAL COMPARTMENT SYNDROME: A CASE-CONTROL STUDY
Roberts, A. et al. [United Kingdom]

MO-PM22-9
IMPACT OF GLUCOCORTICOID DOSE AND CONDITIONING ON EXERCISE RESPONSE AND ADHERENCE IN PATIENTS RECEIVING ALLOGENEIC STEM CELL TRANSPLANTATION
Kuehl, R. [Germany]

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
MONITORING A PRESEASON PREPARATION PERIOD IN SEMI-PROFESSIONAL BASKETBALL
Welsch, S. et al. [Germany]

MO-PM13 Coaching: Team sports

LECTURE ROOM: NEW YORK/WEST
Chair(s): Triska, C. [Austria]

MO-PM13-1
QUANTITATIVE MEASURED CHANGES OF PLAY BY LIMITED RULES – FROM CHILDREN’S BALL PASSING GAMES –
Tazuke, 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 RULES FOOTBALL
Mathieu, B. [France]

MO-PM17 Obesity and bone: mixed session

LECTURE ROOM: MAILAND/WEST
Chair(s): Kreuzpointner, F. [Germany]

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
EFFECT OF PRIOR TRAINING LOAD ON ENDOCRINOLOGICAL AND OXIDATIVE DAMAGE MARKERS IN TEAM SPORT PLAYERS
Slattery, K. et al. [Australia]

MO-PM17-3
OXYTOCIN VARIATION DURING COMPETITION IN TEAM SPORT PLAYERS
Cordrons, E. et al. [Italy]

MO-PM13-5
EFFECT OF CONCURRENT SPECIFIC STRENGTH AND REPEATED SPRINT TRAINING ON IGF-1 CONCENTRATIONS IN FUTSAL PLAYERS: EFFECT OF INTRA-SESSION EXERCISE SEQUENCE
Phosphor, K. et al. [Thailand]

MO-PM13-6
EFFECT OF PRIOR TRAINING LOAD ON ENDOCRINOLOGICAL AND OXIDATIVE DAMAGE MARKERS IN TEAM SPORT PLAYERS
Kagaya, Y. et al. [Japan]

MO-PM13-7
OXYTOCIN VARIATION DURING COMPETITION IN TEAM SPORT PLAYERS
Cordrons, E. et al. [Italy]
MO-PM30 Assessment and promotion of PA
LECTURE ROOM: BRUSSEL/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 DEFENSIVE 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
SOGA, 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-SH04 Leisure activity and health
LECTURE ROOM: M/SOUTH
Chair(s): Fett, 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 BEHAVIOR 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 SHUTTLECOCK 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, M. ET AL [JAPAN]
MO-SH04-7
FINDING ENVIRONMENTAL KNOWLEDGE IN SCUBA-BASED TEXTUAL MATERIALS
AYGUN, Y. ET AL [TURKEY]

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 TRIG-NO 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 THROUGHOUT 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

Lecture Room: Ground Level/West
Chair(s): Tschan, H. (Austria)

CP-PM05-1
Egan, S. et al (Ireland)

CP-PM05-2
EQUESTRIAN BALANCE
Delamarre, 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
Uma, 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
Botrompi, L. et al (United Kingdom)

CP-PM05-6
TREE TACTICS IN FENCING: ELITE ÉPEE MEN'S
Iglesias, X. et al (Spain)

CP-PM05-7
THE USE OF ANTHROPOMETRIC FACTORS IN TALENT IDENTIFICATION IN SWIMMING
Allmann, K. (Germany)

CP-PM05-8
EFFECT OF BLOCKED VISION ON THE REPRODUCIBILITY OF BUNGELE LENS POSITIONS IN ÉLITE 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 DEVELOPMENT OF THIGH MUSCLE THICKNESS,ANAEROBIC POWER, AND SKATING PERFORMANCE IN JUNIOR SPEED SKATERS
Kumagawa, D. et al (Japan)

CP-PM05-11
EFFECT OF BLOOD LACTATE AND ACTIVE OXYGEN ON HOLDER TRAINING OF ELITE SPORT CLIMBING ATHLETES
Son, Y.H. et al (Korea, South)

CP-PM05-12
ISCHAEMIC PRECONDITIONING DOES NOT IMPROVE REPEATED SPRINT ABILITY IN ELITE RUGBY SEVENS PLAYERS
Patterson, S. et al (United Kingdom)

CP-PM12 Cardiovascular physiology

Lecture Room: Ground Level/West
Chair(s): González-Alonso, J. [United Kingdom]

CP-PM12-1
EFFECTS OF TWO TYPES OF PHYSICAL TRAINING EXERCISE ON VENTRICULAR CARDIOMYOCYTES REMODELING OF HYPERTENSIVE RATS
Delpech, N. et al (France)

CP-PM12-2
KINETIC OF LEFT VENTRICULAR FUNCTION AND MECHANIC DURING THE TRANSITION FROM REST TO EXERCISE IN TRAINED CYCLISTS.
IZEM, O. (France)

CP-PM12-3
EFFECT OF 8 WEEKS TRAINING WITH AND WITHOUT POMEGRANATE ON BP AND VO2MAX IN MIDDLE AGE WOMEN
Sadegh Eghbali F. et al (Iran)

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 IMPACT OF TYPE OF SPORT, GENDER AND AGE ON RISK OF BLOOD CELL DYSFONCTIONALITY OF ELITE ATHLETES. A CROSS-SECTIONAL STUDY
Tomschi, F. et al (Germany)

CP-PM12-6
MIR-214 AND MIR-126 WERE ASSOCIATED WITH DAMAGE IN ENDOTHELIAL FUNCTION IN YOUNG OBESE ADULTS AFTER EXERCISE AND DIETARY INTERVENTION
Hu, M. et al (China)

CP-PM13 Muscle injuries and damage

Lecture Room: Ground Level/West
Chair(s): Nosaka, K. [Australia]; Racinais, S. [Qatar]

CP-PM13-1
ENERGY ABSORPTION STRATEGY IN THE LOWER EXTREMITY BY KNEE VALGUS/VARUS ALIGNMENT DURING VERTICAL JUMPS
Tamura, A. et al (Japan)

CP-PM13-2
ALIGNMENT OF TRUNK AND LOWER EXTREMITY DURING STAR EXCURSION BALANCE TEST MIGHT BE USEFUL FOR EVALUATION OF ACL INJURY RISK
Izumi, Y. et al (Japan)

CP-PM13-3
ASSOCIATION ANALYSIS OF ACTN3 R577X POLYMORPHISM WITH MUSCLE STIFFNESS AND MUSCLE STRAIN INJURY
Miyamoto-Mikami, E. et al (Japan)

CP-PM13-4
THE EFFECT OF INTRADIALYSIS EXERCISE PROGRAM ON PHYSICAL FITNESS IN CHRONIC KIDNEY DISEASE PATIENTS
Panayiotou, G. et al (Cyprus)

CP-PM13-5
INVESTIGATION OF CONTRALateral ARM DESIGN FOR ASSESSING MUSCLE DAMAGE IN HUMANS
Chino, K. et al (Japan)

CP-PM13-6
INJURY SURVEILLANCE OF NON-PROFESSIONAL SALSA DANCE
Domene, P.A. et al (United Kingdom)

CP-PM13-7
THE IMPACT OF TYPE OF SPORT, GENDER AND AGE ON BLOOD CELL DYSFUNCTIONALITY OF ELITE ATHLETES. A CROSS-SECTIONAL STUDY
Tomschi, F. et al (Germany)

CP-PM13-8
EQUIPMENT DESIGN TO ADDSPORT TO PREVENT INJURY OF MUSCLE IMBALANCES IN CLUB LEVEL FENCERS
Bottoms, L. et al (United Kingdom)

CP-PM13-9
THE EFFECT OF BODY COMPOSITION CHANGES AFTER RESISTANCE, AEROBIC AND COMBINED TRAINING AND DETRAINING IN CORONARY ARTERY DISEASED PATIENTS
Panayiotou, G. et al (Cyprus)

CP-PM14 Internal medicine

Lecture Room: Ground Level/West
Chair(s): de Marées, M. (Germany)

CP-PM14-1
EFFECT OF BODY COMPOSITION CHANGES AFTER RESISTANCE, AEROBIC AND COMBINED TRAINING AND DETRAINING IN CORONARY ARTERY DISEASED PATIENTS
Panayiotou, G. et al (Cyprus)

CP-PM14-2
EFFECT OF INTRADIALYSIS EXERCISE PROGRAM ON PHYSICAL FITNESS IN CHRONIC KIDNEY DISEASE PATIENTS
Panayiotou, G. et al (Cyprus)

CP-PM14-3
IMPACT OF PHYSICAL INACTIVITY ON THE RISK OF DEVELOPMENT HEPATIC STEATOSIS IN WOMEN
Sá Pinto Monte negro, C. et al (Brazil)
Thursday, July 6th, 2017

ECSS MetropolisRuhr 2017 - Germany, 5-8 July
CP-PM18-5
WHOLE-HAND WATER IMMERSION DOES NOT CHANGE CORTICOSPINAL EXCITABILITY IN HUMANS
Saito, D. et al [Japan]

CP-PM18-9
MODELLED BEHAVIOR AND ERROR DETECTION IN AN ABSTRACT SEQUENCING TASK
Gulde, P. et al [Germany]

CP-PM19 Children and adolescents

LECTURE ROOM: GROUND LEVEL/WEST
Chair(s): Fett, J. [Germany]

CP-PM19-1
INVESTIGATION OF SHOULDER INJURIES AMONG JAPANESE FEMALE WATER POLO PLAYERS
Iizuka, S. et al [Japan]

CP-PM19-2
DETERIORATION OF THE SPRINT MOTION CAUSED BY ADOLESCENT AWKWARDNESS FOR ELEMENTARY SCHOOL CHILDREN
Kokudo, S. [Japan]

CP-PM19-3
STRESS SONOGRAPHY OF THE ULNAR COLLATERAL LIGAMENT OF THE ELBOW IN JUDO PLAYERS
Fukuda, Y. et al [Japan]

CP-PM19-4
FATIGUE, PHYSICAL FUNCTION AND PHYSICAL ACTIVITY IN YOUNG ADULT WOMEN.
Azevedo, L.M.M. et al [Brazil]

CP-PM19-5
INVESTIGATION OF MOTOR SKILLS OF 11-14 AGED ADOLESCENT ACCORDING TO BMI
gozel tepe, z. [Turkey]

CP-PM19-6
PREFERENCES OF PHYSICAL EDUCATION AND PLAYS IN 10-12 YEAR-OLD CHILDREN IN EAST ASIA
Ikeda, T. et al [Japan]

CP-PM19-7
HEALTH-RELATED PHYSICAL FITNESS IN ELEMENTARY SCHOOL-AGED CHILDREN IN NORTH CYPRUS
Kimizigil, B. et al [Cyprus]

CP-PM19-8
THE SPECIFIC EFFECTS OF DEVELOPMENTAL STAGE ON PHYSICAL ABILITY IN ADOLESCENT FEMALE FOOTBALL PLAYERS
Inoue, Y. [Japan]

CP-PM19-9
EXAMINING THE EFFECT OF ETHNICITY AND LANGUAGE ON FUNDAMENTAL MOVEMENT SKILLS IN CHILDREN FROM LOW SES BACKGROUND IN COVENTRY, UK
Eyre, E.I.J. et al [United Kingdom]

CP-PM19-10
PERFORMANCE ANALYSIS FOR ESTABLISHING AN INNOVATIVE LECTURE STYLE AT UNIVERSITY.
Magome, T. et al [Japan]

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
RELATION BETWEEN RESILIENCE AND STARTING AGE IN THEIR SPORT IN MEXICAN ATHLETES
Lee, C. G. [Korea, South]

CP-SH03-3
THE SPECIFIC EFFECTS OF DEVELOPMENTAL STAGE ON PHYSICAL ABILITY IN ADOLESCENT FEMALE FOOTBALL PLAYERS IN NORTH CYPRUS
Kimizigil, B. et al [Cyprus]

CP-SH03-4
THE EFFECT OF ACUTE AEROBIC EXERCISE ON ATTENTION FUNCTION IN HEALTHY OLDER ADULTS
Shimura, Y. et al [Japan]

CP-SH03-5
SOCIAL COGNITIVE THEORY AND PHYSICAL ACTIVITY AMONG KOREAN MALE HIGH SCHOOL STUDENTS
Lee, C.G. [Korea, South]

CP-SH03-6
THE EVASKIP-STUDY: IS PHYSICAL PERFORMANCE AND HEALTH RELATED QUALITY OF LIFE ASSOCIATED WITH DIFFERENT SCHOOL TYPES IN GERMANY?
Schül, 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
Veire, 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
Onagawa, R. et al [Japan]

CP-BN04-6
CHANGES IN BRAIN GRAY MATTER VOLUME IN UNIVERSITY-LEVEL SOCCER PLAYERS
Kamibayashi, K. et al [Japan]

CP-BN04-7
THE IMPACT OF VISUAL OCCLUSION ON THE KINEMATICS OF THE BASKETBALL DRIBBLE
Dunton, A. et al [Ireland]

CP-BN04-8
THE RELATIONSHIP BETWEEN GOLF PUTTING PRECISION AND VARIABILITY IN INITIAL BALL DIRECTION AND VELOCITY
Miyake, Y. et al [Japan]
CAFFEINE AMELIORATES THE TRANSIENT DEPRESSION OF FORCE FOLLOWING UNILATERAL RESISTANCE EXERCISE IN TRAINED ADULT MALES
McManus, C. et al [United Kingdom]

PHYSICAL ACTIVITY IN WORKPLACE- SETTINGS: PRELIMINARY RESULTS OF TRISEARCH
Rudolf, K. et al [Germany]

THE EFFECTS OF URSoLIC ACID AS AN EXERCISE STIMULATION ON LOWER BODY NEUROMUSCULAR FUNCTION AND BILATERAL ASYMMETRY
Davies, R.W. et al [Ireland]

PILL FOR ANTI-AGING
Kim, S. [Korea, South]

BARRIERS TO HEALTHY LIFESTYLE IMPLEMENTATION AND CONDITIONS TO OVERCOME THEM FOR WOMEN IN FITNESS: CASE STUDY
Cuprika, A. et al [Latvia]

EFFECT OF ADDITIONAL CONCURRENT SPECIFIC STRENGTH AND REPEATED SPRINT TRAINING DURING PRESEASON ON PERFORMANCE IN FUTSAL PLAYERS
Phongpinit, K. et al [Thailand]

AGE RELATED AND TRAINING INDUCED CHANGES IN SOMATOTYPE COMPONENTS OF YOUTH ELITE MALE SOCCER PLAYERS
Androulakis, N. et al [Greece]

CHANGES IN BODY COMPOSITION AND PERFORMANCE IN ADEOLESCENT AMERICAN FOOTBALL PLAYERS FOLLOWING THREE WEEKS OF DETRAINING
Gavando, S. et al [Germany]

INFRASPINATUS MUSCLE THICKNESS BILATERAL DIFFERENCE IN BASEBALL PITCHERS AND OTHER ATHLETES
Tanimoto, M. et al [Japan]

THE INFLUENCE OF VOLLEYBALL SPECIFIC REPEATED JUMPS ON LOWER BODY NEUROMUSCULAR FUNCTION AND BILATERAL ASYMMETRY
McManus, C. et al [United Kingdom]

THE ANALYSIS OF MECHANISM TO INCREASE ENERGY OF PELVIS IN BASEBALL PITCHING
Arota, K. et al [Japan]

KINEMATIC ANALYSIS OF BASEBALL PITCHING MOTION WITH THE DIFFERENT RANGES OF MOTION IN NON-PITCHING ARM JOINTS
Ueda, A. et al [Japan]

DIFFERENCES BETWEEN MOTION ANALYSIS SYSTEMS IN CALCULATING KNEE ANGLE IN ELITE RACE WALKING
Hanley, B. et al [United Kingdom]

CORRELATION OF PADDLING POWER OUTPUT WITH KINEMATICS IN ELITE ABLE-BODIED FLAT-WATER KAYAKERS AND ELITE PARA-KAYAKERS
Tanimoto, M. et al [Japan]

EXCESSIVE PHYSICAL ACTIVITY AND MORTALITY RISK: A META-ANALYSIS
Blond, K. et al [Denmark]

USING A SOCIAL MEDIA PLATFORM TO PROMOTE PHYSICAL ACTIVITY OF ADULTS: A RANDOMIZED CONTROLLED TRIAL
Wagenmakers, A. [United Kingdom]

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CHAD, W. C. et al [Taiwan]

EP-UD01-3
EFFETS OF LOW-INTENSITY PULSED ULTRASOUND EXPOSURE ON MUSCLE REGENERATION AFTER CARDIOOXIN-INDUCED MUSCLE INJURY
Tamia, Y. et al [Japan]

EP-UD01-4
EFFECTS OF SHOULDER THROW, SHOULDER RANGE OF MOTION, AND SHOULDER INJURY IN ELITE JUDO PLAYERS
Tejima, R. et al [Japan]

EP-UD01-5
INJURES IN AMATEUR FOOTBALL: COLLECTING DATA FOR INJURY PREVENTION.
Fischer, F. et al [Austria]

EP-UD01-6
EFFECTS OF CORRECTIVE EXERCISE ON PELVIC ALIGNMENT, ASYMMETRY IN THE LOWER EXTREMITY MUSCLE STRENGTH AND MOBILITY IN A YOUTH SOCCER PLAYER: A CASE REPORT
Kim, A. R. et al [Korea, South]

EP-UD01-7
LATENT MUSCLE REACTION TIMING OF SHOULDER MUSCLES IN BASEBALL PITCHERS: COMPARISON WITH TRADITIONAL PERIODS OF PAST-THROWING INJURY HISTORY
Tusgo, Y. et al [Japan]

EP-UD01-8
THE EFFECT OF PRESS TACK NEEDLE ON MUSCULAR POWER OUTPUT DURING KNEE EXTENSION EXERCISE - SHAM-CONTROLLED STUDY
Kaneko, Y. et al [Japan]

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THE DISTINCT EXPRESSION OF THE TNF-ALPHA RECEPTORS IN NERVES WITH AXONAL LOSS - STUDIES ON TENDINOPHATHIES
Reinström, L. et al [Sweden]

EP-UD01-10
INTRACLASS RELIABILITY OF THE ANTERIOR TALOFIBULAR LIGAMENT AND ANTEROFERIOR TIBIOFIBULAR LIGAMENT MEASURED BY USING STRESS ULTRASONOGRAPHY
Tanim, Y. et al [Japan]
OF VARSITY FEMALE BALL PLAYERS
Kimura, Y. et al [Japan]

EP-UD01-8
EFFECTS OF SPECIFIC PROGRAMMED TRAINING ON MORPHOLOGICAL CHARACTERISTICS, MOTORIC AND FUNCTIONAL ABILITIES OF ELITE JUDOKAS
Drid, P. et al [Serbia]

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POWER OF LOWER LIMBS AND MAXIMUM SYMPTOM-LIMITED EFFORT OF WOMEN’S BASKETBALL AND VOLLEYBALL TEAMS OF PREMIER POLISH LEAGUE
Ozimek, M. et al [Poland]

EP-UD01-10
COMPARISON OF TRUNK FLEXION MUSCLE POWER BY PLAYER POSITION IN VOLLEYBALL
Okawa, M. et al [Japan]

EP-UD01-11
INFLUENCE OF CONSTANT KENDO PRACTICE FOR PHYSICAL FITNESS IN COLLEGE KENDO ATHLETES
Hirono, J. et al [Japan]

EP-UD01-12
THE BUILDING OF AN AIDED CALIBRATION METHOD FOR ROUTINE SPORTS BIOCHEMISTRY BLOOD ANALYZERS
Li, P.F. et al [China]

EP-UD01-13
FAST ISONERTIAL KNEE EXTENSION TORQUE SHOWS GOOD RELATION TO SQUAT JUMP PERFORMANCE
de Ruiter, C.J. et al [Netherlands]

EP-UD01-14
EFFECT OF OVERHEAD SQUAT TRAINING FOR 8 WEEKS POSTURAL CORRECTION ON BODY DEFORMATION CHANGE OF ELEMENTARY SCHOOL STUDENTS
Gi Duck, P. et al [Korea, South]

EP-UD01-15
A HOPPING EXERCISE INTERVENTION IMPROVES POSTURAL STABILITY IN OLDER ADULTS: A RANDOMIZED CONTROLLED TRIAL
Nakatani, T. et al [Japan]

EP-UD01-16
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Gabrys, T. et al [Poland]

EP-UD01-17
INTERNAL LOAD CHANGES IN RESPONSE TO EXTERNAL LOAD CHANGES DURING EFFORT IN CONDITIONS OF NORMOXIA, AND HIGH-ALTITUDE HYPOXIA IN ALPINE SKIERS
Szmolat-Gabrys, U. et al [Poland]

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Kantanista, A. et al [Poland]

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Selleberg, M. et al [Germany]

EP-UD01-20
DEVELOPMENT OF VIRTUAL REALITY COGNITIVE PERFORMANCE TEST FOR SOCCER REFEREES AND ITS RELATIONSHIP WITH CONCENTRATION GRID-EXERCISE TEST
Yamauchi, H. et al [Japan]

EP-UD01-21
EFFECT OF ACUTE STATIC STRETCHING ON VERTICAL JUMP PERFORMANCE IN TRAINED CHILDREN
Donti, O. et al [Greece]

EP-UD01-22
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Suzukawa, K. et al [Japan]

EP-UD01-23
CHANGES IN BODY SURFACE TEMPERATURE DURING INCREMENTAL TREADMILL TEST IN HIGHLY-TRAINED ATHLETES OF DIFFERENT SPORTS
Korman, P. et al [Poland]

EP-UD01-24
THE INFLUENCE OF PHYSICAL EXERCISE ON FLOW-EXPERIENCE IN A SUBJEST-QUENT COGNITIVE TASK - A PILOT STUDY
Stallmann, C. et al [Germany]

EP-UD01-25
LOAD ADJUSTMENT FOR WEIGHTED VEST RESISTED SPRINT TRAINING IN SEMIPROFESSIONAL SOCCER PLAYERS
Carlos-Vivas, J. et al [Spain]

EP-UD01-26
THE EFFECT OF STATIC PASIVE STRETCHING ON REDUCTION OF GLENOHUMERAL INTERNAL ROTATION DEFICIT
Solano-Tramunt, M. et al [Spain]

EP-UD01-27
COMPARISON OF DIFFERENT TYPES OF JUMP ABILITY IN BASKETBALL PLAYERS
Koyama, T. et al [Japan]

EP-UD01-28
RELATIONSHIP BETWEEN AEROBIC FITNESS AND RSA TEST PARAMETERS IN ELITE MALE BASKETBALL PLAYERS
Mikołajec, K. et al [Poland]

EP-UD01-29
RELATIONSHIP BETWEEN AEROBIC FITNESS AND RSA TEST PARAMETERS IN ELITE FEMALE BASKETBALL PLAYERS
Mikołajec, K. et al [Poland]

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EFFECT OF THE ORDER OF EXERCISES RESISTED IN THE NUMBER OF REPETITIONS IN ELDERLY WOMEN
Costa, L. et al [Brazil]

EP-UD01-31
LACTATE INDICES WITHIN ONE CYCLE WEEK OF TRAINING OF HIGH SKILLED WEIGHTLIFTERS
Svakhin, I. et al [Kazakhstan]

EP-UD01-32
MAXIMUM ISOMETRIC GRIP STRENGTH IN TOP-LEVEL CZECH TENNIS PLAYERS
Stráňílová, K. et al [Czech Republic]

EP-UD01-33
PERFORMANCE DOES NOT DIFFER BETWEEN OFFICIAL AND SIMULATED ARCHERY COMPETITIONS
Monzoni, R. et al [Italy]
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 Cambridge.
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 oxygen levels. We have a range of products, from 48 channel flexible, fast and sensitive laboratory equipment like the OXYMON to small and wireless instruments like the PortaMon and the PortaLite. The latter ones have the size of cell phone and can be used inside and outside. They are not only popular with researchers, they are being used more and more by Olympic athletes to optimize their training protocols!
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 everyday 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 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]
Actihart is one of the most widely used research tools for determining energy expenditure in free living. This miniature wearable device uses a brachial model to Determine Activity Energy Expenditure in Kcal 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 RDs, we strive to continue the rich tradition of supplying reliable, professional and accessible cardiopulmonary diagnostic devices and services such as the JAEGER 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 K5 [http://www.cosmed.com/wearfit]. 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]

Exhibitors profiles

Delsys Inc. [USA]
Delays, being at the forefront of innovative developments in electromyography (EMG) for more than 20 years, have 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 unwavalled, 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 wearables. 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 include unreweighting 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 informational 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.humankinetics.com/]

Kistler Instrumente AG [Switzerland]
Kistler force plates were first introduced in 1969 and have consistently proved their worth as precise, reliable measuring instruments. The unique piezoelectric measuring system offers numerous advantages and makes Kistler force plates a cost effective investment for biomechanical laboratories. Longevity, high accuracy, linearity and sensitivity provide reliable and reproducible results. [http://www.kistler.com/biomechanics]

Lode B.V. [The Netherlands]
Lode is renowned as a manufacturer of high quality ergometers. The Lode brand stands for accuracy, durability and ergonomic design.
Exhibitors profiles

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), Gyo kinetic 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]**


**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 synchronize 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 realise 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.podomedi.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 (PBAES) 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 h/p/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. http://www.cyclus2.com/en/home.htm
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://www.rtwhealthlimited.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/ejs

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

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/MSS) and a wide range of related publications.
http://www.karger.com/

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.sportmanagement.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

Wisepress Ltd [United Kingdom]

Wisepress.com, Europe’s leading conference bookseller, 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
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
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<th>Time</th>
<th>Europa/West</th>
<th>Deutschland/South</th>
<th>Panorama/West</th>
<th>Berlin/West</th>
<th>Rheinland/South</th>
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<td>08:00</td>
<td>Opening of registration</td>
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<td>09:00 - 10:30</td>
<td>Satellite Symposia/Workshops/General Assembley (see page 15)</td>
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<td>10:30 - 12:00</td>
<td>Satellite Symposia/Workshops/General Assembley (see page 15)</td>
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<td>12:00 - 13:30</td>
<td>Orals</td>
<td>OP-PM03 ENDURANCE AND PERFORMANCE</td>
<td>OP-PM02 ASPETAR FOOTBALL SCIENCE AWARD</td>
<td>OP-PM01 CARDIOVASCULAR EFFECTS OF EXERCISE</td>
<td>OP-BN02 MUSCLE-TENDON FUNCTION</td>
<td>OP-PM05 PARALYMPICS</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>
<td>Orals</td>
<td>OP-PM07 HYPOXIA AND ALTITUDE</td>
<td>OP-PM01 GSSI NUTRITION AWARD</td>
<td>OP-PM53 ANKLE AND ACL INJURIES</td>
<td>OP-PM09 PERFORMANCE AND RECOVERY</td>
<td>OP-PM39 HEALTH AND FITNESS IN CHILDREN AND ADOLESCENTS 1</td>
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<td>15:30 - 17:00</td>
<td>Invited &amp; Orals</td>
<td>IS-PM04 INDIVIDUALISATION IN RECOVERY SCIENCE</td>
<td>OP-PM04 NUTRITION AND SUPPLEMENTS 1</td>
<td>OP-PM04 GENOMICS, PROTEOMICS AND MUSCLE MOLECULAR BIOLOGY</td>
<td>OP-PM10 HEALTH AND FITNESS IN CHILDREN AND ADOLESCENTS 2</td>
<td>OP-PM11 COACHING: PERFORMANCE</td>
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<td>17:00 - 17:15</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>
<td>Opening ceremony</td>
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<td>20:00 - 21:00</td>
<td>Opening Reception sponsored by City of Essen</td>
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<td>12:00 - 13:30</td>
<td><strong>OP-BN09</strong> MOVEMENT VARIABILITY</td>
<td><strong>OP-BN01</strong> MOTOR CONTROL: SKILL ACQUISITION</td>
<td><strong>OP-PM16</strong> TRAINING IN KINDERGARTEN AND SCHOOL</td>
<td><strong>OP-SH01</strong> COGNITION AND WELLBEING</td>
<td><strong>OP-SH03</strong> SPORT ORGANISATION AND POLITICS</td>
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<td>14:00 - 15:30</td>
<td><strong>OP-BN07</strong> BIOMECHANICS: SOCCER</td>
<td><strong>OP-PM17</strong> COMBAT SPORTS</td>
<td><strong>OP-PM62</strong> METHODS IN EXERCISE PHYSIOLOGY 1</td>
<td><strong>OP-SH02</strong> HISTORY AND ETHICS</td>
<td><strong>OP-SH04</strong> DETERMINANTS OF PA IN ADULTS</td>
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<td><strong>OP-BN21</strong> NEUROMUSCULAR FATIGUE</td>
<td><strong>OP-PM59</strong> EFFECTS OF EXERCISE IN OBESITY</td>
<td><strong>15-SH08</strong> SERIOUS GAMES IN SPORT AND HEALTH – CHANCES AND CHALLENGES</td>
<td><strong>OP-SH05</strong> PHYSICAL EDUCATION AND LEARNING</td>
<td><strong>OP-SH06</strong> SPORT MANAGEMENT AND SOCIETY</td>
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Wednesday 5th July 2017
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<tr>
<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>
<td>OP-PM18 COACHING OF ATHLETES</td>
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<td>09:30 - 09:45</td>
<td>Coffee break</td>
<td>IS-EX02 JSPSMA-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>
<td>OP-DTB1 DTB TENNIS AWARD 1</td>
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<td>09:45 - 11:15</td>
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<td>IS-EX02 JSPSMA-ECSS EXCHANGE SYMPOSIUM</td>
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<td>OP-PM12 ECCENTRIC EXERCISE</td>
<td>IS-BN06 NEW INSIGHTS IN BIOMECHANICS OF MUSCLE CONTRACTION</td>
<td>OP-DTB2 DTB TENNIS AWARD 2</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>13:00 - 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>
<td>13:00 CONVENTIONAL PRINT POSTER SESSIONS IN GROUND LEVEL-WEST</td>
<td>CP-SH05 SPORT MANAGEMENT</td>
<td>CP-PM05 TRAINING AND TESTING IN VARIOUS SPORTS 1</td>
<td>CP-PM12 CARDIOVASCULAR PHYSIOLOGY</td>
<td>CP-PM13 MUSCLE INJURIES AND DAMAGE</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 TRAINING AND TESTING ENDURANCE</td>
<td>MO-BN01 NEUROPHYSIOLOGY AND MOTOR LEARNING</td>
<td>MO-PM06 TESTING, TRAINING AND RECOVERY</td>
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<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>
<td>MO-PM08 THERMOREGULATION AND RESPIRATION</td>
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<td>16:00 - 16:15</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-PM15 ENERGY METABOLISM AND HORMONES</td>
<td>OP-PM20 INTERNAL TRAINING 2</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-PM21 TALENT IDENTIFICATION AND DEVELOPMENT</td>
<td>IS-BN03 MUSCLE-TENDON UNIT PROPERTIES AND RUNNING ECONOMY</td>
<td>SIG-Nutr SPECIAL INTEREST GROUP - SPORTS NUTRITION</td>
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**Thursday 6th July 2017**
### Thursday 6th July 2017

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<td>METHODS IN EXERCISE PHYSIOLOGY 2</td>
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<td>EFFECTS OF TRAINING: MIXED SESSION</td>
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<td>OP-PM19</td>
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<td>OP-PM41</td>
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<td>DEVELOPING YOUNG ATHLETES</td>
<td>TRAINING IN THE ELDERLY</td>
<td>OCCUPATIONAL ASPECTS OF HEALTH AND PHYSICAL ACTIVITY</td>
<td>LEVERAGING SPORT EVENTS FOR SPORT PARTICIPATION AND DEVELOPMENT</td>
<td>PERFORMANCE ANALYSIS</td>
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<td>13:00 - 14:00</td>
<td>CP-PM15</td>
<td>CP-PM16</td>
<td>CP-PM17</td>
<td>CP-PM18</td>
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<td>ORTHOPAEDICS AND REHABILITATION: MIXED SESSION</td>
<td>FEMALES, ELITE ATHLETES AND VIBRATION: MIXED SESSION</td>
<td>VENTILATION, HYPOXIA, HEALTH AND FITNESS</td>
<td>BRAIN AND COGNITION</td>
<td>CHILDREN AND ADOLESCENTS</td>
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<td>14:00 - 15:00</td>
<td>MO-PM15</td>
<td>MO-PM23</td>
<td>MO-SH05</td>
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<td>FUNCTIONAL MOVEMENT AND INJURY PREVENTION</td>
<td>SOCIAL SCIENCES: MIXED SESSION</td>
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<td>15:00 - 16:00</td>
<td>MO-PM28</td>
<td>MO-PM12</td>
<td>MO-SH06</td>
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<td>REHABILITATION OF BACK AND SHOULDER</td>
<td>COACHING: TENNIS AND GOLF</td>
<td>PHYSICAL EDUCATION AND PEDAGOGICS</td>
<td>ELBOW AND KNEE</td>
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<td>OP-BN10</td>
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<td>IS-SH02</td>
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<td>STRESS REGULATION AND PHYSICAL ACTIVITY</td>
<td>SPORT EVENTS AND SOCIETY</td>
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<td>OP-BN08</td>
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<td>IS-SH03</td>
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<td>SPORT TECHNOLOGY</td>
<td>ACUTE EFFECTS OF HIT</td>
<td>GETTING THE MOVES: BODY LEARNING IN THREE MOVEMENT CULTURES</td>
<td>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>08:30 - 09:00</td>
<td>IS-PM02 EXERCISE AND THE BRAIN</td>
<td>OP-PM64 EFFECTS OF CAFFEINE, TYROSINE AND CREATINE ON PERFORMANCE</td>
<td>IS-EX01 CSSS-ECSS EXCHANGE SYMPOSIUM: EXERCISE PERFORMANCE</td>
<td>IS-BN07 BIG DATA IN SPORTS</td>
<td>OP-BN11 ADAPTATIONS OF THE MUSCLE-TENDON SYSTEM</td>
<td>OP-BM24 TESTING IN GAME SPORTS</td>
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<td>09:45 - 11:15</td>
<td>Invited &amp; Orals</td>
<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-BM27 INTERVENTIONS TO OPTIMIZE RECOVERY</td>
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<tr>
<td>11:30 - 12:45</td>
<td>Plenary Session III - INCLUSION IN SPORT</td>
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<td>12:45 - 14:00</td>
<td>Lunch break (exhibition hall 1A)</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-BM04 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>15:00 - 16:00</td>
<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 AGING, BALANCE AND STABILITY</td>
<td>MO-PM22 INJURIES IN THE LOWER LIMB</td>
<td>MO-BM02 BIOMECHANICS: RUNNING, CUTTING AND JUMPING</td>
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<td>16:00 - 16:15</td>
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<td>IS-PM06 FASCIA - AN EXTENSIVELY OVERLOOKED TISSUE</td>
<td>IS-EX03 ACSM-ECSS EXCHANGE SYMPOSIUM</td>
<td>OP-PM49 MOLECULAR BIOLOGY 1</td>
<td>IS-BN05 VARIABILITY AND COORDINATION IN HUMAN MOVEMENT</td>
<td>OP-BM28 PHYSIOLOGY AND TRAINING IN CYCLING</td>
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<td>16:15 - 17:45</td>
<td>Invited &amp; Orals</td>
<td>IS-PM07 THE INDIVIDUAL HUMAN PHENOTYPE</td>
<td>IS-PM13 MACRO AND MICRO VASCULAR DYSFUNCTION</td>
<td>OP-PM51 SPECIFICITY OF BALANCE AND BALANCE TRAINING</td>
<td>IS-BN01 PACING IN CYCLING AND WINTER SPORTS</td>
<td>OP-BN13 EXERCISE AND THE BRAIN</td>
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<td>OP-PM51 SPECIFICITY OF BALANCE AND BALANCE TRAINING</td>
<td>IS-BN01 PACING IN CYCLING AND WINTER SPORTS</td>
<td>OP-BM30 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

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<td>08:00 - 09:30</td>
<td>OP-PM25 PERFORMANCE IN JUMPING AND SPRINTERING</td>
<td>OP-SH11 DEVELOPMENT OF YOUTH FOOTBALL PLAYERS</td>
<td>IS-SH07 VOLTION IN SPORT AND PHYSICAL ACTIVITY</td>
<td>OP-PM38 HEALTH AND PHYSICAL ACTIVITY IN DIFFERENT CONDITIONS</td>
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<td>09:45 - 11:15</td>
<td>OP-BN12 BALANCE AND POSTURE</td>
<td>OP-PM58 TRAINING AND EXERCISE IN CLINICAL POPULATIONS 1</td>
<td>IS-SH05 DOPING PREVENTION - THE ROLE OF COACHES</td>
<td>OP-SH12 FACTORS INFLUENCING PHYSICAL ACTIVITY</td>
<td>OP-PM74 PHYSIOLOGY IN LONG DISTANCE SPORTS</td>
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<td>13:00 - 14:00</td>
<td>CP-BN05 KINEMATIC ANALYSES IN BIOMECHANICS</td>
<td>CP-BM06 LIFESTYLE, PHYSICAL ACTIVITY AND HEALTH</td>
<td>CP-BM07 AGEING</td>
<td>CP-BN06 BALANCE AND PROPRIOSCEPTION</td>
<td>CP-BM10 STRENGTH TRAINING</td>
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<td>MO-PM27 MUSCLE FUNCTION</td>
<td>MO-PM26 TRAINING AND PERFORMANCE IN THE ELDERLY</td>
<td>MO-SH01 HEALTH AND FITNESS IN CHILDREN</td>
<td>MO-SH02 SPORTS IN SOCIETY: MIXED SESSION</td>
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<td>15:00 - 16:00</td>
<td>MO-PM17 OBESITY AND BONE: MIXED SESSION</td>
<td>MO-PM30 ASSESSMENT AND PROMOTION OF PA</td>
<td>MO-SH03 SPORT PSYCHOLOGY AND COGNITION</td>
<td>MO-SH04 LEISURE ACTIVITY AND HEALTH</td>
<td>MO-BN03 TECHNOLOGY AND METHODS</td>
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<td>OP-PM29 MONITORING TEAM SPORT ATHLETES</td>
<td>OP-PM57 TRAINING AND EXERCISE IN CLINICAL POPULATIONS 2</td>
<td>IS-SH06 HOW TO INTEGRATE PEDAGOGY OF HEALTH AND PHYSICAL EDUCATION...</td>
<td>OP-SH13 ATHLETIC CAREER</td>
<td>OP-PM70 RESPIRATION AND OXYGEN UPTAKE</td>
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<td>OP-BN14 PERFORMANCE ANALYSIS IN TEAM SPORTS</td>
<td>OP-BN20 CORTICAL AND CORTICOSPINAL EXCITABILITY</td>
<td>IS-SH04 PREVENTION OF SEXUAL HARASSMENT AND ABUSE IN SPORTS</td>
<td>OP-SH14 SOCIAL FACTORS AND SPORT</td>
<td>OP-PM69 METHODS IN EXERCISE PHYSIOLOGY 3</td>
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<td>Invited &amp; Orals</td>
<td>IS-PM12: MUSCLE CARNITINE: THE KEY PLAYER IN MUSCLE FUEL SELECTION?</td>
<td>IS-PM14: EXERCISE TESTING AND TRAINING IN CLINICAL POPULATIONS</td>
<td>OP-PM37: TRAINING AND EXERCISE IN CLINICAL POPULATIONS 3</td>
<td>IS-BN08: MUSCLE EMG ACTIVITIES IN SPORT SCIENCES</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>13:00 - 14:00</td>
<td>Print posters III</td>
<td>CP-SH01: PHYSICAL EDUCATION</td>
<td>CP-SH02: HEALTH AND FITNESS IN CHILDREN AND ADOLESCENTS</td>
<td>CP-PM01: GAME ANALYSIS</td>
<td>CP-BN01: MUSCLE-TENDON FUNCTION AND RUNNING</td>
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<td>14:00 - 15:30</td>
<td>Orals</td>
<td>OP-PM43: HYPOXIA AND BLOOD FLOW RESTRICTION 2</td>
<td>OP-PM45: FLUID AND BICARBONATE INTAKE</td>
<td>OP-PM35: HEALTHY AGING</td>
<td>OP-PM47: MOLECULAR BIOLOGY 3</td>
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<td>15:30 - 16:45</td>
<td>YIA presentations</td>
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<td>16:45 - 17:15</td>
<td>Presidential Lecture</td>
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<td>17:15 - 17:30</td>
<td>Break</td>
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<td>17:30 - 18:00</td>
<td>YIA Awards</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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Saturday 8th July 2017

08:00 - 09:30
Invited & Orals

OP-BN15 MODELING SPORTS PERFORMANCE
OP-PM54 SLEEP: THE GOOD AND THE BAD
OP-PM23 FATIGUE AND PERFORMANCE
OP-PM68 CEREBRAL BLOOD FLOW AND OXYGENATION
OP-PM71 WINTERSPORTS, ATHLETICS, AND ROWING

09:45 - 11:15
Invited & Orals

OP-BN16 BIOMECHANICS OF JUMPING
OP-BN17 METHODS IN MUSCLE AND TENDON BIOMECHANICS
OP-SH15 MENTAL FATIGUE AND RECOVERY
OP-PM72 TOOLS AND TESTING IN SPORTS

13:00 - 14:00
Print posters III

CP-PM02 STRENGTH AND POWER
CP-PM03 ENDURANCE TRAINING AND TESTING
CP-PM08 ENERGY METABOLISM
CP-PM09 BIOCHEMISTRY AND NUTRITION
CP-PM11 MUSCLE PHYSIOLOGY AND REPAIR

14:00 - 15:30
Invited & Orals

OP-BN18 NEUROMUSCULAR ASPECTS OF STRENGTH
OP-BN19 MUSCLE DAMAGE AND FOAM ROLLING
OP-PM66 VASCULAR PHYSIOLOGY AND HEALTH
OP-PM67 INJURY PREVALENCE AND PREVENTION IN TEAM SPORTS
OP-PM73 METABOLISM IN DIFFERENT SPORTS
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HUR offers world-leading equipment for:
- Strength training and testing
- Balance training and testing
- Jump testing
- Research

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