Uniting the World through Sport Science

24th Annual Congress of the European College of Sport Science
ECSS Prague 2019 – Czech Republic, 3 – 6 July

Final Programme

Hosted by
Charles University
Dear colleagues,

As the Congress President and on behalf of Charles University I would like to warm welcome you as distinguished guests to attend the 24th Annual Congress of the ECSS in Prague, Czech Republic, from the 3 - 6 July, 2019. Building on the success and innovation of previous meetings, ECSS 2019 will feature a wide range of sessions and learning opportunities showcasing the latest research and developments in the Sport Sciences hosted by leading international experts.

The conference will take place near to the heart of the city at the newly rebuilt Congress Centre overlooking the Prague Castle and river Vltava, surrounded by all the amenities this old and dynamic city has to offer.

The conference will bring experts from around the world to provide specific research in the field of Sport Sciences and the experience and vision of professionals who are dedicated to one of the most fascinating areas of Sports. Physical activity and sport represent in our era one of the strategies to alleviate chronic diseases and improve the quality of life.

At this Congress you will have the opportunity to not only expand your network but also to be privy to presentations that incorporate a wide variety of topics connected with Sport. In the view of the much-needed discussions on these topics, with this congress we aim to bring together renowned regulatory experts, representatives from academia, research entities, pharmaceutical, biomedical and sport device industries and leading authorities and to provide a platform for exchange of essential knowledge and information in a stimulating social and professional setting.

We are looking forward to seeing you in Prague!

Prof. Dr. Václav Bunc, Ph.D
(Faculty of Physical Education and Sport, Charles University)
Organisation

CONGRESS PRESIDENT
Václav Bunc (CZ)

ECSS EXECUTIVE BOARD
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LOCAL SCIENTIFIC COMMITTEE (MEMBERS)
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Jiri Balas (CZ)
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REVIEWING PANEL
Stephen Bailey (GBR)
Nick Ball (AUS)
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Leigh Breen (GBR)
Neil Cronin (FIN)
Rosa Diketmüller (AUT)
Marije Efferink-Gremser (NED)
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Tomáš Brtník (CZ)

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Bart Roelands (BEL)
Christopher Shaw (AUS)
Ana Sousa (POR)
Mike Stembridge (GBR)
Wolfgang Taube (SUI)
Dick Thijsen (GBR)
Lex B Verdiijk (NED)
General Information

VENUE

The Prague Congress Centre (PCC) is the largest congress centre in the Czech Republic and is the symbol of Czech dignity. An extensive park complex of Vyšehrad is also located in the immediate vicinity. This park is often an ideal place of rest and relaxation for the participants of events and visitors of the Prague Congress Centre which is directly next to the Vyšehrad station of metro line C.

The Prague Congress Center
5 kvetna 1640/65
Nusle
140 00 Prague 4
Czech Republic

CONGRESS OFFICE AND REGISTRATION

The congress registration desks and information desks are located in the entrance hall on the ground floor.

OPENING HOURS

- Wednesday, 3 July, 08:00 – 18:00
- Thursday, 4 July, 08:00 – 18:00
- Friday, 5 July, 08:00 – 18:00
- Saturday, 6 July, 08:00 – 16:00

REGISTRATION FEES

The registration fee for participants includes:
- Admission to all scientific sessions
- Admission to the exhibition
- Admission to the Opening Ceremony
- Admission to the Opening Reception*
- Congress material (Congress bag, final programme [print], book of abstracts [print on demand]: EUR 25*/EUR 35 on-site)
- Coffee or tea breaks (4) and lunches (4)* at the congress venue
- Admission to the Closing Ceremony
- Admission to the Congress Party*
*pre-booking required

THE REGISTRATION FEE FOR ACCOMPANYING PERSONS INCLUDES:
- Admission to the exhibition
- Admission to the Opening Ceremony
- Admission to the Opening Reception*
- Congress material (Congress bag, final programme [print], book of abstracts [print on demand]: EUR 25*/EUR 35 on-site)
- Coffee or tea breaks (4) and lunches (4)* at the congress venue
- Admission to the Closing Ceremony
- Admission to the Congress Party*
*pre-booking required

Please note that accompanying persons do not have admission to scientific sessions.

THE REGISTRATION FEE FOR ADDITIONAL EXHIBITORS (MINIMUM OF TWO FREE DELEGATES PER COMPANY) INCLUDES:
- Admission to all scientific sessions
- Admission to the exhibition
- Admission to the Opening Ceremony
- Admission to the Opening Reception*
- Congress material (Congress bag, final programme [print], book of abstracts [print on demand]: EUR 25*/EUR 35 on-site)
- Coffee or tea breaks (4) and lunches (4)* at the congress venue
- 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 purple shirts with the ECSS and congress logos.

SUSTAINABILITY AT THE CONGRESS

Did you know that the PCC strives for sustainable operation? Annually saving 11 533 m³ of water (3 Olympic pools), 9 740 945 kWh of energy (consumption of 5019 households) and 726 tons of CO2 that would take one year for 33 456 trees to absorb, the PCC follows a sustainable path. With the available digital navigation system with over 190 flat screens and mobile application for inhouse navigation the use of paper can be eliminated to a large degree. Also using energy-saving LED lights helps in the overall energy saving concept.

The Prague Congress Centre offers a sustainable catering solution based mainly on local seasonal products eliminating logistics and carbon footprint as well as avoiding plastic diner ware and excess food thanks to careful planning with the organizer.
SCIENTIFIC PROGRAMME

Researchers and scholars from all over the world contribute to the scientific programme and address the congress theme “Uniting the World through Sport Science”. Thereby, the programme highlights the multi- and interdisciplinary character of the field examining physical activity, exercise, and sports from theoretical, empirical and applied viewpoints, and from molecular to societal contexts. This variety is achieved by allocating a total of 1,881 abstracts to the following session types:

- 4 plenary sessions
- 35 invited sessions
- 138 oral sessions
- 76 conventional print poster sessions
- 479 e-posters (not debated)

YOUNG INVESTIGATORS AWARD (YIA), SPONSORED BY EUROPEAN JOURNAL OF SPORT SCIENCE (EJSS)

ECSS has received 368 applications for this year’s YIA. Out of those, 112 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 Prague. The applicants are competing for 14 prizes, 10 oral and 4 conventional print poster categories. This year we have received a smaller number of conventional print poster submissions than usual, and the number of conventional print poster prizes have been reduced proportionally (to 4).

The Scientific Board and the Scientific Committee will select the 10 best presentations from oral and 4 from conventional print poster categories. 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 from the Scientific Board and/or Scientific Committee.

The top 10 candidates of oral and the top 4 candidates of conventional print poster category will be announced later in front of the YIA ceremony. The other winners will receive their certificate and prizes on Thursday evening, 4 July at the Uniting Excellence in Sport Science Cocktail Reception event taking place on the evening of Thursday, 4 July at the Corinthia Hotel Prague at 20:30. In order to receive the certificate and prize money, all prize winners are asked to be present at the Uniting Excellence in Sport Science Cocktail Reception and attendance is obligatory for all 2019 YIA Winners (10 oral and 4 conventional print posters).

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

CONVENTIONAL PRINT POSTER PRESENTATIONS

1st – EUR 3,000
2nd – EUR 2,000
3rd – EUR 1,000
4th – EUR 500

GSSI NUTRITION AWARD

Abstracts submitted in the area of nutrition, in oral or conventional print poster formats, have been able to opt in to apply for the GSSI Nutrition Award during the abstract submission process. A reviewing panel has selected the top six candidates of all submissions to present their work in front of the GSSI Nutrition Award panel on Wednesday, 3 July. The winners will be awarded at the GSSI Award Ceremony (Wednesday, 3 July, 2019, 19:00, Congress Hall).

PRIZE MONEY

• 1st – EUR 3,000
• 2nd – EUR 1,500
• 3rd – EUR 500

TRAVEL GRANTS

YIA TRAVEL GRANT

4 YIA Travel Grants (500 EUR each) have been distributed for ECSS Prague 2019 to applicants from DAC List of ODA Recipients.

One YIA Travel Grant sponsored by the Official ECSS Publishing Partner - Routledge Taylor and Francis and one by ECSS Bronze Partner – Kistler.

ECSS TRAVEL GRANT

3 ECSS Travel Grant (500 EUR each) have been distributed for ECSS Prague 2019 to applicants from DAC List of ODA Recipients.

GSSI YOUNG SCHOLAR TRAVEL GRANT

3 GSSI Young Scholar Travel Grants (2000 EUR each) have been distributed for ECSS Prague 2019 to applicants outside of Europe.

PRESENTATION REGULATIONS AND SPEAKERS READY ROOM

ORAL SESSIONS

BEFORE

The Speakers Ready Room is located in the Room 2.1 on the 2nd floor of the PCC. Please locate your lecture hall well in advance of your session and familiarise yourself with the setup. The format for invited and oral presentations is PowerPoint (16:9). All PowerPoint presentations must be pre-uploaded in...
MEALS AND COFFEE BREAKS
Congress lunches (if pre-booked) and coffee breaks are included in the fee congress participants have paid. The lunches will be served in the Exhibition Area (foyer on the second floor) from Wednesday to Saturday. Coffee breaks alike are served in the Exhibition Area (foyer on the second floor) from Wednesday to Saturday.

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 (Wednesday, Thursday, Friday and Saturday) at the registration desk upon arrival. For those that have not pre-booked, there is a cash bar on the 2nd floor and a Café on the 1st floor of the PCC.

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. Please note that the congress badges will be collected for reuse on the last day of the congress near the entrances.

TRANSPORT
Prague is a compact city and the PCC is located just outside the business district. Congress participants will have access to free public transport (metro, bus and tram) during the congress and the transport ticket will be given out at the registration with the congress bag. You may easily reach the city centre and the main sights by metro. Public transport consists of buses, trams and metro. You may reach the PCC with the metro line C. It takes approximately 50 min to reach the airport.

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 ECSS2019.

SPORTEX – THE OFFICIAL EXHIBITION OF THE EUROPEAN COLLEGE OF SPORT SCIENCE
An expansive area has been allocated for the congress exhibition, which will form the hub of ECSS Prague 2019. Exhibitors from all over the world, eager to advance and enhance science and research, will showcase their state-of-the-art products and services. The exhibition is located in the foyer of the second floor. The opening hours are:
- Wednesday, 3 July, 09:00–17:00
- Thursday, 4 July, 09:00–17:00
- Friday, 5 July, 09:00–17:00

3RD SPORTEX RAFFLE
Delegates and SportEx visitors have the opportunity to win a unique ECSS iPad and other very exciting prizes sponsored by SportEx exhibitors when participating in the SportEx Raffle. Delegates receive a raffle ‘coupon’ with their congress bag. To make use of this coupon, raffle participants need to visit participating exhibitors and complete a given task at their exhibition booths. After accomplishing the task, participants will be awarded with the company stamp on their coupon. Once the required number of stamps have been collected, they qualify for the raffle prize draw, which will take place at the ECSS booth at the foyer on the first floor on Friday at the end of the mid-day-break. Further information about the raffle can be found on the raffle coupon in your congress bag.
Date: Wednesday, 3 July – Friday 5 July
Time: Exhibition opening hours
Location: Level 2 Foyer

ECSS Prague 2019 - Czech Republic, 3-6 July
General Information

TOURIST INFORMATION
Enjoy and discover the amazing city of Prague and its impressive historical city centre. In your congress bag you find a city map with a selection of the most interesting architectural sights in Prague. With your free public transport ticket given out with the congress bag, you can easily explore this beautiful city. The ticket is valid during the congress only.
Please note that the 5 and 6 July are national holidays in the Czech Republic. Shops and other services may have limited operations.

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

ECSS GENERAL ASSEMBLY
All ECSS members are invited to join the ECSS General Assembly to be informed about the latest facts and figures and the development of the society. Wednesday, 3 July, 11:00 to 12:00, room: Terrace 2A

OPENING CEREMONY
The official opening of the congress will commence upon conclusion of the Paavo Komi Memorial. The programme will feature an opening address from the Congress President and the ECSS President. There will also be some traditional local entertainment.

OPENING RECEPTION (PRE-BOOKING REQUIRED)
The Opening Ceremony will be followed immediately by an Opening Reception, which is also the official opening of the exhibition. Some finger food and drinks are provided for those that registered their participation.

5TH ECSS BENGT SALTIN RUN – SPONSORED BY H/P/COSMOS (REGISTRATION REQUIRED)
The traditional Bengt Saltin Run is a 5-kilometer memorial running event in honour of Professor Bengt Saltin, a founding member and Patron of the European College of Sport Science. The run is organised by the ECSS in cooperation with the Charles University Prague. ECSS and Charles University Prague are proud to announce that Mr. David Svoboda, Czech Olympic gold medalist, will be the patron of the 5th ECSS Bengt Saltin Run. The modern pentathlon Olympian will be helping to raise funds to help a local charity, Jedlicka Institute Foundation.
The run is limited to 250 places and allocation will be on a “first-come, first-served basis”. There might be a few slots available. Please see h/p/cosmos Booth (Booth 39) at SportEx to find out.
Friday, 5 July, at 20:30, outside of PCC entrances 2 and 3

FRIDAY NIGHT OUT
Join local volunteers for a guided pub tour in the historic city center of Prague. Register onsite at the info booth, near the registration desks.
Friday 5 July, time and place TBA

FEPSAC EVENING
Join the FEPSAC president, Anne-Marie Elbe, for an informal gathering after a productive congress day. Registration required.
Friday, 5 July, 20:30, Pivovar Bašta

CLOSING CEREMONY
The closing ceremony will immediately follow the YIA presentations and will feature a thank you and goodbye from Prague and a presentation from the 25th ECSS Congress in Seville 2020.

ECSS CONGRESS PARTY (PRE-BOOKING REQUIRED)
The Congress Party will take place in the Žofín Palace on Saturday, 6 July, at 20:00. It will be a time to celebrate the success of the ECSS congress week. Enjoy the company of old friends and new, in a festive ambiance. Most important – DANCE!
• Doors open 20:00
• Buffet 20:00 – 22:00
• Live music 21:00 – 23:00
• DJ 23:00

Žofín Palace
Slovenský ostrov 226
110 00 Prague 1
Czech Republic
## Contents

- Congress exhibitors ...................................................... 10
- Parallel Programme ..................................................... 16
- Plenary Sessions ........................................................... 17
- Invited/Oral Presentations .......................................... 20
  - Wednesday, July 3 ...................................................... 20
  - Thursday, July 4 ......................................................... 24
  - Friday, July 5 ............................................................... 35
  - Saturday, July 6 .......................................................... 45
- Conventional Print Poster Presentations .................... 52
  - Wednesday, July 3 (12:45-13:45) .................................. 52
  - Thursday, July 4 (13:30-14:30) ..................................... 52
  - Friday, July 5 (13:30-14:30) ......................................... 62
  - Saturday, July 6 (13:45-14:45) ....................................... 67
- e-Posters ..................................................................... 71
- Exhibitors profiles ......................................................... 81
- Programme Overview .................................................. 84
<table>
<thead>
<tr>
<th>Exhibitor</th>
<th>Products/Services</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>09 - AMTI</strong></td>
<td>Biomechanics force platform</td>
</tr>
<tr>
<td><strong>46 - ARTINIS MEDICAL SYSTEMS B.V.</strong></td>
<td>NIRS devices (near-infrared spectroscopy)</td>
</tr>
<tr>
<td><strong>22 - BIOPAC SYSTEMS, INC.</strong></td>
<td>Data Acquisition Systems, Analysis Software</td>
</tr>
<tr>
<td><strong>07 - BODYCAP</strong></td>
<td>Monitoring solutions for Core Temperature</td>
</tr>
<tr>
<td><strong>56 - CAMNTECH LTD.</strong></td>
<td>Medical Device Manufacturer</td>
</tr>
<tr>
<td><strong>14, 15 - CATAPULT SPORTS PTY LTD</strong></td>
<td>Athlete analytics</td>
</tr>
<tr>
<td><strong>28 - COMETA SYSTEMS</strong></td>
<td>Wireless EMG and IMU Systems</td>
</tr>
<tr>
<td><strong>30 - CONTEMPLAS GMBH</strong></td>
<td>Professional Motion Analysis Systems</td>
</tr>
<tr>
<td><strong>38 - CORTEX BIOPHYSIK GMBH</strong></td>
<td>CPET systems</td>
</tr>
<tr>
<td><strong>49 - INSTITUTE OF SPORT AND PREVENTIVE MEDICINE</strong></td>
<td>International degrees</td>
</tr>
<tr>
<td><strong>16 - JOURNAL OF SPORT AND HEALTH SCIENCE (JSHS)</strong></td>
<td>Research article publication, peer-review journal</td>
</tr>
<tr>
<td><strong>36 - KISTLER INSTRUMENTE AG</strong></td>
<td>Force Plates, Force and Acceleration Sensors, Software for Performance and Balance analysis</td>
</tr>
<tr>
<td><strong>29 - KUBIOS OY</strong></td>
<td>Kubios HRV software</td>
</tr>
<tr>
<td><strong>35 - LODE B.V.</strong></td>
<td>Bicycle and treadmill ergometers as well as recumbent, arm and supine ergometers and ergometry software</td>
</tr>
<tr>
<td><strong>48 - HUMAN KINETICS EUROPE LTD</strong></td>
<td>Publisher - Sport Science books</td>
</tr>
<tr>
<td><strong>17 - MAASTRICHT INSTRUMENTS BV</strong></td>
<td>Indirect calorimetry / Accelerometry</td>
</tr>
<tr>
<td><strong>08 - MES FORSCHUNGSSYSTEME</strong></td>
<td>EEG and NIRS devices</td>
</tr>
<tr>
<td><strong>43 - QUALISYS AB</strong></td>
<td>Motion Capture - 3D Analysis</td>
</tr>
<tr>
<td><strong>40 - MICROGATE SRL</strong></td>
<td>Systems for training and performance evaluation</td>
</tr>
<tr>
<td><strong>42 - MONARK EXERCISE AB</strong></td>
<td>Ergometers</td>
</tr>
<tr>
<td><strong>47 - MOOR INSTRUMENTS LTD.</strong></td>
<td>Blood flow / Oxygenation monitoring and imaging</td>
</tr>
<tr>
<td><strong>12 - NOVEL GMBH</strong></td>
<td>Load distribution measurement systems, sensors</td>
</tr>
<tr>
<td><strong>24 - PHYSIOFLOW / MANATEC BIOMEDICAL</strong></td>
<td>PhysioFlow: Non invasive cardiac output monitors</td>
</tr>
<tr>
<td><strong>20 - POWERBREATHE ALTITUDE AND ENVIRONMENTAL SYSTEMS LTD</strong></td>
<td>Altitude Simulation Training</td>
</tr>
<tr>
<td><strong>19 - POWERBREATHE INTERNATIONAL LTD</strong></td>
<td>Inspiratory Muscle Training, Better Breathing</td>
</tr>
<tr>
<td><strong>43 - QUALISYS AB</strong></td>
<td>Motion Capture - 3D Analysis</td>
</tr>
</tbody>
</table>
23 - QUIPU SRL
Software for assessing early markers of cardiovascular risk
ITALY

44, 45 - RBM ELEKTRONIK-AUTOMATION GMBH
Cycling ergometers
GERMANY

37 - ROUTLEDGE, TAYLOR & FRANCIS GROUP
Publisher of European Journal of Sport Science
UNITED KINGDOM

52 - SIMI REALITY MOTION SYSTEMS GMBH
3D Markerless Motion Capture
GERMANY

53 - STT SYSTEMS
3D motion analysis solution
SPAIN

54 - THE ELITE ATHLETE CENTRE/LOUGHBOROUGH UNI
High-performance hotel with altitude bedrooms
UNITED KINGDOM

18 - THE PHYSIOLOGICAL SOCIETY
Academic journals
UNITED KINGDOM

06 - UCAM SPANISH SPORT UNIVERSITY
University / Postgraduate studies
SPAIN

32, 33 - VALD PERFORMANCE (INTL) PTY LTD
Nordßord, GroinBar, HumanTrak, ForceDecks
AUSTRALIA

11 - VICON MOTION SYSTEMS LTD.
Motion capture hardware and software
UNITED KINGDOM

59, 60 - WISEPRESS LTD
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Parallel Programme

Satellites

GSSI Sports Nutrition Satellite: Changing Nutrition for the 24-Hour Athlete

Date: Wednesday, 3 July
Time: 08:30 – 11:50
Room: Panorama Hall

CATAPULT Performance Symposium

Date: Tuesday, 2 July
Time: 12:00 – 17:00
Room: Panorama Hall

GSSI Nutrition Award

Finalists’ Presentations
Date: Wednesday, 3 July
Time: 14:00 - 15:30
Room: Panorama Hall

Awards Ceremony
Date: Wednesday, 3 July
Time: 19:00-19:15
Room: Congress Hall

Awards

ECSS Young Investigators Award (YIA)

Presentations
Date: Wednesday, 3 July
Time: 08:30 – 11:50
Room: Panorama Hall
(Sessions marked YIA)

Finalists’ Presentations
Top 4 oral presentations
Date: Saturday, 6 July
Time: 08:30 – 11:50
Room: Congress Hall

Awards Ceremony
Date: Saturday, 6 July
Time: 18:30 – 19:00
Room: Congress Hall

Technical Workshops

Metabolic Space - hosted by Cortex

Experiments with astronaut Alexander Gerst; Life support and cardiopulmonary analysis in human space flight – hosted by Cortex
Date: Wednesday, 3 July
Time: 10:30 - 12:00
Room: Club H

From Science to Practice – hosted by Kistler

How force plates are used within a professional football team for the development of young players – hosted by Kistler
Date: Wednesday, 3 July
Time: 10:30 - 12:00
Room: Terrace 2B

Advances in Metabolic Technologies and Field Testing - hosted by COSMED

Date: Friday, 5 July
Time: 09:45 - 11:15
Room: Terrace 2A

A Breakthrough in Understanding Movement & Performance: High Performance Testing – Hosted by Lode

Date: Wednesday, 3 July
Time: 09:00 – 10:00
Room: Terrace 2B

CATAPULT Performance Symposium

Date: Tuesday, 2 July
Time: 12:00 – 17:00
Room: Panorama Hall

Special Interest Groups (SIG)

Elite Sport Performance

Date: Wednesday, 3 July
Time: 09:00 - 10:30
Room: Club H

Environmental Physiology

Date: Friday, 5 July
Time: 13:15 - 14:45
Room: Terrace 2B

From Science to Practice – hosted by Kistler

How force plates are used within a professional football team for the development of young players – hosted by Kistler
Date: Wednesday, 3 July
Time: 10:30 - 12:00
Room: Terrace 2B

Press Conference

Opening Ceremony Press Conference
Date: Wednesday, 3 July
Time: 08:30 – 09:00
Room: Panorama Hall

Invited guests and media only

ECSS General Assembly

ECSS General Assembly
Date: Wednesday, 3 July
Time: 11:00 – 12:00
Room: Terrace 2A

ECSS SportEx Raffle 2019

3rd SportEx Raffle
Date: Wednesday, 3 July – Friday, 5 July
Exhibition opening hours
Room: Level 2 foyer

5th ECSS Bengt Saltin Run

5th ECSS Bengt Saltin Run sponsored by h/p/cosmos
Date: Friday, 5 July
Time: 20:00
Location: Outside of PCC entrances 2 and 3

Technical Workshops

Metabolic Space - hosted by Cortex

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A Breakthrough in Understanding Movement & Performance: High Performance Testing – Hosted by Lode

Date: Wednesday, 3 July
Time: 09:00 – 10:00
Room: Terrace 2B
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Chair(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday</td>
<td>17:45 - 19:00</td>
<td>PL-PS01</td>
<td>SPRINGS AND SPRINTER S</td>
<td>Chair(s): Finn, T.  [Finland]</td>
</tr>
<tr>
<td>Thursday</td>
<td>11:30 - 12:45</td>
<td>PL-PS02</td>
<td>Personalized exercise oncology</td>
<td>Chair(s): Wiskemann, J.  [Germany]</td>
</tr>
<tr>
<td>Friday</td>
<td>11:30 - 12:45</td>
<td>PL-PS03</td>
<td>Sport and brain injuries - A red flag for sport?</td>
<td>Chair(s): Hedenborg, S.  [Sweden]</td>
</tr>
<tr>
<td>Saturday</td>
<td>15:15 - 16:30</td>
<td>PL-PS04</td>
<td>The importance of circadian rhythm for athletic performance and skeletal muscle health</td>
<td>Chair(s): Mackey, A.  [Denmark]</td>
</tr>
</tbody>
</table>
PROPOSED THEMES

Optimization Cycle
- Mental and Physical resilience
- Optimizing the winter soldier
- Regeneration
- Innovation in Physical Training

Soldier Systems and Performance
- Personal Protective Equipment evolution
- Emerging technology to alleviate burden
- Emerging technology to achieve goal
- Sleep and fatigue management

Health
- Holistic health and fitness/ the performance triad
- Prevention/reduction in MSKI
- Cognition and Physical fitness

Knowledge Transfer
- Implementation- science to practice
- Monitoring scientific Integrity in the field
- Military physical performance analytics
- Basic Training as a platform for research

REGISTER TODAY AT
ICSPP2020.CA
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**Wednesday, July 3**

14:00 - 15:30

**IS-PM05**

**Congress Hall**

**High-carbohydrate or high-fat diets for optimising training adaptation and performance?** (Applied track)

**Chair(s):**  
Heilge, J. [Denmark]

14:00 IS-PM05-1  
TRAINING-DIET INTERACTIONS TO OPTIMIZE SKEL-ETAL MUSCLE ADAPTATION
  
Hawley, J. [Australia]

14:30 IS-PM05-2  
MAXIMIZING FAT OXIDATION: HELP OR HINDRANCE TO ADAPTATION & PERFORMANCE?
  
Heilge, J. [Denmark]

15:00 IS-PM05-3  
ADAPTATION TO HIGH-FAT DIETS AND ENDURANCE PERFORMANCE IN ELITE ATHLETES
  
Burke, L. [Australia]

**GSSI-PRES**

**Panorama Hall**

**GSSI Nutrition Award Presentations**

**Chair(s):**  
Morales-Alamo, D. [Spain]

14:00 [YIA] GSSI-Pres-1  
ENERGY INTAKE AND EXPENDITURE OF PREMIER LEAGUE ACADEMY SOCCER PLAYERS: IMPLICATIONS FOR SPORTS NUTRITION GUIDELINES
  
Hannon, M. et al [United Kingdom]

14:15 [YIA] GSSI-Pres-2  
MYCOPROTEIN INGESTION STIMULATES PROTEIN SYNTHESIS RATES TO A GREATER EXTENT THAN MILK PROTEIN IN BOTH RESTED AND EXERCISED SKELETAL MUSCLE IN HEALTHY YOUNG MEN
  
Monleyane, A.J. et al [United Kingdom]

14:30 [YIA] GSSI-Pres-3  
EXOGENOUS CARBOHYDRATE INGESTION DURING PROLONGED STEADY STATE EXERCISE ALTERS INTRAMUSCULAR SUBSTRATE UTILISATION IN TRAINED CYCLISTS
  
Fell, J.W. et al [United Kingdom]

14:45 [YIA] GSSI-Pres-4  
GREATER STIMULATION OF MYOFIBRILLAR AND SAR-COPLASMIC SKELETAL MUSCLE PROTEIN SYNTHESIS WITH A-LACTALBUMIN COMPARED TO COLLAGEN PEPTIDE SUPPLEMENTATION DURING OVERREACHING IN TRAINED CYCLISTS
  
Okawa, S.Y. et al [Canada]

15:00 GSSI-Pres-5  
ACUTE CARNOSINE AND ANSERINE SUPPLEMENTATION AS A NOVEL ERGODIC STRATEGY FOR HIGH-INTENSITY EXERCISE
  
Blankquart, L. et al [Belgium]

15:15 GSSI-Pres-6  
UTILITY OF THE 13C-BREATHE (RATIO) METHOD TO TRACK CHANGES IN FAT-OXIDATION MAXIMA DURING INTENSE CYCLING EXERCISE FOLLOWING GUCYGENE MANIPULATION BY ACUTE DIETARY INTERVENTION
  
Kopetschny, B. H. et al [New Zealand]

**OP-PM06**

**South Hall 1A**

**Energy, fat and metabolism**

**Chair(s):**  
Siu, P. [China]

14:00 [YIA] OP-PM06-1  
The effect of exercise induced factors on human adipocytes
  
Severinsen, M. et al [Denmark]

14:15 [YIA] OP-PM06-2  
effects of HIT or aerobic exercise training on lipid metabolism by activating FGF21 signaling pathway
  
Li, L et al [China]

14:30 [YIA] OP-PM06-3  
sarcoplasmic expression in human skeletal muscle is not associated with fat mass and is not altered by severe energy deficit and low-intensity exercise, while it is reduced by high-intensity training
  
Martinez-Canton, M. et al [Spain]

14:45 [YIA] OP-PM06-4  
effects of resistance training on white and brown adipocytes in rats
  
Amano, Y. et al [Japan]

15:00 [YIA] OP-PM06-5  
energy cost of selected training and non-training activities of 10-17-year-old Indian athletes
  
Keren, S. C. et al [India]

15:15 [YIA] OP-PM06-6  
Re-examining the fatmax concept: A new procedure to determine fat oxidation rate during intense aerobic exercise using a 13C breath ratio approach
  
Ris, S. et al [Denmark]

**OP-PM01**

**South Hall 1B**

**Molecular biology and biochemistry: signaling and response**

**Chair(s):**  
Morales-Alamo, D. [Spain]

14:00 [YIA] OP-PM01-1  
Increased ribosomal biogenesis and capacity with high-frequency low-load blood flow restricted resistance exercise
  
Bjørnsen, T. et al [Norway]

14:15 [YIA] OP-PM01-2  
Investigating skeletal muscle mitophagy signalling and the effect of electrical stimulation
  
Seabright, A. et al [United Kingdom]

14:30 [YIA] OP-PM01-3  
The vitamin D receptor regulates mitochondrial function in skeletal muscle
  
Ashcroft, S.P. et al [United Kingdom]

14:45 [YIA] OP-PM01-4  
Post-exercise ischemia maintains the exercise-induced activating phosphorylation of NR2F2 role of metabolites and P2Y1 receptors
  
Galicco-Selles, A. et al [Spain]

15:00 [YIA] OP-PM01-5  
Targeted metabolomics uncovers associations between circulatory essential amino acids and health biomarkers across the life-course, and in response to resistance exercise training
  
Soyda, M. H. et al [United Kingdom]

**OP-BN01**

**South Hall 2A**

**Muscle and/or tendon function I**

**Chair(s):**  
Bogdanis, G. [Greece]

14:00 [YIA] OP-BN01-1  
Non-invasive estimation of muscle fiber typeology in various disciplines of professional cycling
  
Van Vossel, K. et al [Belgium]

14:15 [YIA] OP-BN01-2  
Metabolic power and energy expenditure in the German Bundesliga
  
Venzke, J. et al [Germany]

14:30 [YIA] OP-BN01-3  
Neuromuscular evaluation of arm-cycling repeated sprints under hypoxia and/or blood flow restriction
  
Peyrard, A. et al [France]
OP-PM112

North Hall

Training and testing

Chair(s):
Bishop, D. [Australia]
Hopker, J. [United Kingdom]

14:45 [YIA] OP-PM112-4
FIVE WEEKS OF HIGH INTENSITY CIRCUIT TRAINING LED TO A DECREASE OF SERUM FIBROBLAST GROWTH FACTOR-21 IN OVERWEIGHT ADULT WOMEN
McIsela, K. et al [Poland]

15:00 [YIA] OP-PM112-5
LOAD AND LIMIT LOCATION DO NOT MEDIATE RESISTANCE TRAINING-INDUCED CHANGES IN LIMIT STRENGTH AND LEAN MASS
Morton, R.W. et al [Canada]

15:15 [YIA] OP-PM112-6
MUSCLE DISUSE RESULTS IN A RAPID DECLINE IN DAILY MYOFIBRILLAR PROTEIN SYNTHESIS RATES
Kilroe, S.P. et al [United Kingdom]

OP-PM112

Club A

Health and Fitness: Clinical populations I

Chair(s):
Almquist, N.W. et al [Norway]

15:00 [YIA] OP-PM112-7
ADAPTATIONS TO HIGH-LOAD AND LOW-LOAD RESISTANCE TRAINING IN COPD PATIENTS AND HEALTHY OLDER SUBJECTS
Malmesen, K.S. et al [Norway]

15:15 [YIA] OP-PM112-8
SOCIAL INEQUALITY AND READINESS FOR HEALTH TECHNOLOGY – RISKS OF TECHNOLOGY-ASSISTED PHYSICAL ACTIVITY REHABILITATION OF INDIVIDUALS WITH TYPE 2 DIABETES
Thorsen, I.K. et al [Denmark]

14:15 [YIA] OP-PM112-9
NURTURE, NATURE AND NON-RESPONSE: A NOVEL RANDOMISED CROSS-STUDY OF CHANGES IN BODY COMPOSITION AND METABOLIC PROFILE IN RESPONSE TO ENDURANCE VERSUS RESISTANCE TRAINING IN TWIN PAIRS
Thomas, H.J. et al [Australia]

14:45 [YIA] OP-PM112-10
INCLUSION OF REPEATED 30-S MAXIMAL SPRINTS IN PROLONGED LOW-INTENSITY ENDURANCE CYCLING IMPROVES SPRINT-ABILITY AND 5-MIN ALL-OUT PERFORMANCE IN ELITE CYCLISTS
Almquist, N.W. et al [Norway]

15:00 [YIA] OP-PM112-11
EFFECTS OF AN ECCENTRIC HAMSTRING TRAINING ON COMPONENTS OF PHYSICAL FITNESS IN FEMALE YOUNG HANDBALL PLAYERS
Chrobine, H. et al [Germany]

15:15 [YIA] OP-PM112-12
A COMPARISON OF LINEAR AND REVERSE LINEAR PERIODISED PROGRAMS WITH EQUATED VOLUME AND INTENSITY FOR ENDURANCE RUNNING PERFORMANCE
Bradbury, D.G. et al [Australia]

OP-PM10

Club A

Health and Fitness: Clinical populations I

Chair(s):
Wissemann, J. [Germany]
Bermansen, S. [Norway]

14:00 [YIA] OP-PM10-1
ADAPTATIONS TO HIGH-LOAD AND LOW-LOAD RESISTANCE TRAINING IN COPD PATIENTS AND HEALTHY OLDER SUBJECTS
Malmesen, K.S. et al [Norway]

14:15 [YIA] OP-PM10-2
SOCIAL INEQUALITY AND READINESS FOR HEALTH TECHNOLOGY – RISKS OF TECHNOLOGY-ASSISTED PHYSICAL ACTIVITY REHABILITATION OF INDIVIDUALS WITH TYPE 2 DIABETES
Thorsen, I.K. et al [Denmark]

14:30 [YIA] OP-PM10-3
NURTURE, NATURE AND NON-RESPONSE: A NOVEL RANDOMISED CROSS-STUDY OF CHANGES IN BODY COMPOSITION AND METABOLIC PROFILE IN RESPONSE TO ENDURANCE VERSUS RESISTANCE TRAINING IN TWIN PAIRS
Thomas, H.J. et al [Australia]

14:45 [YIA] OP-PM10-4
INCLUSION OF REPEATED 30-S MAXIMAL SPRINTS IN PROLONGED LOW-INTENSITY ENDURANCE CYCLING IMPROVES SPRINT-ABILITY AND 5-MIN ALL-OUT PERFORMANCE IN ELITE CYCLISTS
Almquist, N.W. et al [Norway]

15:00 [YIA] OP-PM10-5
EFFECTS OF AN ECCENTRIC HAMSTRING TRAINING ON COMPONENTS OF PHYSICAL FITNESS IN FEMALE YOUNG HANDBALL PLAYERS
Chrobine, H. et al [Germany]

15:15 [YIA] OP-PM10-6
A COMPARISON OF LINEAR AND REVERSE LINEAR PERIODISED PROGRAMS WITH EQUATED VOLUME AND INTENSITY FOR ENDURANCE RUNNING PERFORMANCE
Bradbury, D.G. et al [Australia]

OP-SH06

Club E

Professional development - Physical education and exercise settings

Chair(s):
Grimminger-Seidensticker, E. [Germany]
Mukherjee, S. [Singapore]

14:00 [YIA] OP-SH06-1
ADAPTATIONS TO HIGH-LOAD AND LOW-LOAD RESISTANCE TRAINING IN COPD PATIENTS AND HEALTHY OLDER SUBJECTS
Malmesen, K.S. et al [Norway]

14:15 [YIA] OP-SH06-2
THE RELEVANCE OF SCHOOL COMMUNITY WORKING RELATIONSHIPS IN PHYSICAL EDUCATION: PRE-SERVICE-TEACHERS IDENTITY DEVELOPMENT – THE CASE OF THE INSTITUTE UNIVERSITY OF MAIA PETE PROGRAMME
Amaral-da-Cunha, M. et al [Portugal]

14:30 [YIA] OP-SH06-3
BODY COMPOSITION AND SYMMETRY CHARACTERISTICS OF PROFESSIONAL RUGBY UNION PLAYERS
Lupo, C. et al [Italy]

14:45 [YIA] OP-SH06-4
OPPORTUNITIES FOR ENGAGING IN PRACTICAL ACTIVITIES AT CONTINUING PROFESSIONAL DEVELOPMENT CPD WORKSHOPS ASSOCIATED WITH SELF-EFFICACY CHANGE IN SECONDARY SCHOOL PHYSICAL EDUCATION PE TEACHERS
Neville, A. et al [Australia]

15:00 [YIA] OP-SH06-5
PEAK RUNNING INTENSITIES OF ELITE YOUTH RUGBY LEAGUE MATCH PLAY
SMITH, M.R. et al [Australia]

Op-SH01

Terrace 2A

Sociology

Chair(s):
Diketmüller, R. [Austria]
Anderson, E. [United Kingdom]

14:00 [YIA] OP-SH01-1
SOCIAL NETWORKS AND ITS INFLUENCE ON NUTRIENT INTAKE, NUTRITIONAL STATUS AND PHYSICAL FUNCTION OF COMMUNITY-DWELLING ETHNICALLY DIVERSE OLDER ADULTS: A MIXED METHOD LONGITUDINAL STUDY
Asamane, E. et al [United Kingdom]

14:15 [YIA] OP-SH01-2
ADVENTURE SPORTS AND THE PERCEPTION OF BEING, OR NOT BEING, ELDERLY
Marinho, A. et al [Brazil]

14:30 [YIA] OP-SH01-3
EFFECTS OF PARENTS SOCIOECONOMIC STATUS AND PHYSICAL ACTIVITY PARTICIPATION ON THE ADOLESCENTS PHYSICAL ACTIVITY LEVELS
Tran, H. et al [China]

14:45 [YIA] OP-SH01-4
ACTIVE MOBILITY OF ADOLESCENT GIRLS IN PUBLIC URBAN SPACES
Diketmüller, R. [Austria]

15:00 [YIA] OP-SH01-5
FACEBOOK IS OUR PLAYGROUND NOW - A STUDY OF THE USE OF SOCIAL MEDIA IN EQUESTRIAN SPORTS
Broms, L. et al [Sweden]

15:15 [YIA] OP-SH01-6
EQUALITY WORK IN THE SWEDISH VOLLEYBALL FEDERATION
Karlén, S. et al [Sweden]
Wednesday, July 3

16:00 – 17:30

IS-SP03

Congress Hall

Effective management of the return of training (RTT) phase of rehabilitation in a professional sporting environment – Sponsored by Catapult [Applied track]

Chair(s):
Drust, B. [United Kingdom]

IS-SP03-1

OVERVIEW OF THE RETURN TO TRAINING PHASE OF REHABILITATION
Drust, B. [United Kingdom]

IS-SP03-2

DESIGN, DELIVERY AND MONITORING OF RTT PROGRAMMES TO MEET INDIVIDUAL REQUIREMENTS
Harley, J. [United Kingdom]

IS-SP03-3

RTT POST INCIDENCE OF INFECTIOUS DISEASE
Meyer, T. [Germany]

OP-PM03

Panorama Hall

Nutrition: Vitamins, collagen and anti-oxidants

Chair(s):
Morales-Álamo, D. [Spain]
Breen, L. [United Kingdom]

16:00 [YIA] OP-PM03-1

THE EFFECT OF VITAMIN D STATUS ON PHYSICAL PERFORMANCE, BONE QUALITY AND DENSITY IN UK UNIVERSITY ATHLETES AND SEDENTARY CONTROLS
Wilson-Barnes, S. et al [United Kingdom]

16:15 [YIA] OP-PM03-2

THE EFFECTS OF A 12-WEEK HYPERTROPHY RESISTANCE TRAINING WITH A COLLAGEN HYDROLYSATE SUPPLEMENTATION ON THE SKELETAL MUSCLE PROTEOME OF RECREATIONAL MALE ATHLETES
Oertzen-Hogemann, V. et al [Germany]

16:30 [YIA] OP-PM03-3

EFFECTS OF ANTI-OXIDANT-RICH FOODS ON ACHIEVEMENT: A RANDOMIZED CONTROLLED TRIAL
Koivisto, A. E. et al [Norway]

16:45 [YIA] OP-PM03-4

VITAMIN D SUPPLEMENTATION DOES NOT INCREASE GAINS IN MUSCLE STRENGTH IN VITAMIN D INSUFFICIENT YOUNG MEN ENGAGED IN RESISTANCE TRAINING
Savalainen, L. et al [Estonia]

17:00 [YIA] OP-PM03-5

EFFECTS OF COLLAGEN SUPPLEMENTATION AND RESISTANCE TRAINING IN RECREATIONAL ATHLETES
Kirmse, M. et al [Germany]

17:15 [YIA] OP-PM03-6

HIGH-INTENSITY INTERVAL TRAINING IS MORE EFFECTIVE IN YOUNG THAN IN ELDERLY HUMAN SUBJECTS
Schiltter, M. et al [Sweden]

OP-PM02

South Hall 1A

Metabolic syndrome and diabetes I

Chair(s):
Budde, H. [Germany]
Wagenmakers, A. [United Kingdom]

16:00 [YIA] OP-PM02-1

ENDURANCE-TYPE EXERCISE TRAINING PERFORMED BEFORE VERSUS AFTER BREAKFAST INCREASES ORAL GLUCOSE INSULIN SENSITIVITY AND CUMULATIVE FAT OXIDATION IN OVERWEIGHT MEN
Edinburgh, R. M. et al [United Kingdom]

16:15 [YIA] OP-PM02-2

WHICH WHEY FORWARD? NUTRANCING THE EFFECTS OF POST-EXERCISE WHEY INGESTION IN TYPE 2 DIABETES MELLITUS
Peeters, W. M. et al [New Zealand]

16:30 [YIA] OP-PM02-3

THE DIURNAL IMPACT OF EXERCISE TIMING ON DIETARY BEHAVIOUR: A RANDOMIZED CONTROLLED TRIAL
Teo, S. Y. et al [Australia]

16:45 [YIA] OP-PM02-4

THE EFFECT OF POWER TRAINING ON HABITUAL PHYSICAL ACTIVITY IN OLDER ADULTS WITH TYPE 2 DIABETES: SECONDARY OUTCOMES OF THE GREAT2OD RANDOMIZED CONTROLLED TRIAL
Masalmanaghaghie, M. et al [Australia]

17:00 [YIA] OP-PM02-5

ADOPTION AND ENJOYMENT OF A WALKING-FOOTBALL PROGRAM FOR PATIENTS WITH TYPE 2 DIABETES: SWEET-FOOTBALL PROJECT
Barbosa, A. et al [Portugal]

17:15 [YIA] OP-PM02-6

EFFECT OF HIGH INTENSITY COMBINED RESISTANCE AND AEROBIC TRAINING ON BG VARIABILITY, COGNITIVE FUNCTION AND PHYSICAL CAPACITY IN TYPE-1 DIABETIC AND NON-DIABETIC INDIVIDUALS
Minnock, D. et al [Ireland]

OP-PM08

South Hall 1B

Health and fitness: Children and adolescents

Chair(s):
Nosaka, K. [Australia]
Roastad, T. [Norway]

16:00 [YIA] OP-PM08-1

URINARY N-TERMINAL FRAGMENT OF TITIN IS A NOVEL NONINVASIVE BIOMARKER FOR THE EXERCISE-INDUCED MUSCLE DAMAGE IN YOUNG ADULTS
Tanabe, Y. et al [Japan]

16:15 [YIA] OP-PM08-2

THREE-YEAR SURVEILLANCE OF CARDIORESPIRATORY FITNESS IN UK PRIMARY SCHOOL CHILDREN
Tuvey, S. et al [United Kingdom]

16:30 [YIA] OP-PM08-3

IS THERE AN ASSOCIATION OF TRAINING VOLUME AND ARTERIAL STRUCTURE AND FUNCTION IN CHILDREN AND ADOLESCENTS?
Thomandl, L. et al [Germany]

16:45 [YIA] OP-PM08-4

HUMAN SKELETAL MUSCLE METABOLITES BEFORE AND AFTER PUBERTY: A 6-YEAR LONGITUDINAL NON-INVASIVE STUDY
Lievens, E. et al [Belgium]

17:00 [YIA] OP-PM08-5

VALEDICTORY AND RELIABILITY OF A PHOTOPLETHYSMOGRAPHY DEVICE FOR MEASURING HEART RATE VARIABILITY IN PAEDIATRICS
Speer, K. et al [Australia]

17:15 [YIA] OP-PM08-6

CHILDREN’S HEAVY SCREEN USE ON WEEKENDS PREDICTS HIGHER BODY MASS INDEX IN ADOLESCENCE
Engberg, E. et al [Finland]
THE RELATION BETWEEN LIMB SEGMENT COORDINATION AND INTRACORTICAL INHIBITION MODULATION AFTER LONG-TERM BALANCE TRAINING IS RELATED TO MUSCLE PERFORMANCE AMONG HEALTHY AND ACTIVE ADULTS.

Kuhn, Y.A. et al [Switzerland]

SUCCESS IN ELITE FEMALE SOCCER? RELEVANT PREDICTORS FOR ADULT MOTOR PERFORMANCE AND ITS DEVELOPMENT IN ADOLESCENCE.

Leyhr, D. et al [Germany]

EFFECTS OF AUGMENTED FEEDBACK DURING SHORT-TERM MOTIVATIONAL AND INFORMATIONAL TRAINING ACTIVITY QUESTIONNAIRE (RTAQ): TO TRAINING AND MOVEMENT WITH CHILDREN.

Bugnon, M. et al [Switzerland]

THE PHYSIOLOGICAL DEMANDS OF NATIONAL HUNT RACING ON PROFESSIONAL JOCKEYS.

Fares, R. et al [Spain]

COMMUNITY-DWELLING OLDER ADULTS.

Yamagata, M. et al [Japan]

INVESTIGATING THE PHYSICAL DEMANDS OF AN ELITE YOUTH TENNIS TRAINING CAMP.

Fleming, J.A. et al [United Kingdom]

HUMAN TRAINABILITY: EXPLORING THE HERTZ AND MODALITY DEPENDENCE OF FITNESS AND STRENGTH ADAPTATIONS IN A RANDOMISED CROSS-OVER STUDY OF TWINS.

Marsh, C. et al [Australia]

DIFFERENCES IN VENTILATORY EFFICIENCY BETWEEN CYCLE ERGOMETER AND HALF-SQUAT EXERCISES.

Lu, Y.J. et al [Taiwan]

CARBOHYDRATE AND LIPID METABOLISM IN FEMALE YOUTH SOCCER PLAYERS POST COMPETITIVE MATCH-PLAY.

Zemkova, E. [Slovakia]

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Michael, K. [Ireland]

VALIDITY AND RELIABILITY OF VO2 MAX TESTS AND WHITE COAT SYNDROME TESTING IN FEMALE YOUTH SOCCER PLAYERS USING A CROSS-OVER DESIGN.

Hughes, J.D. et al [United Kingdom]

EVALUATION OF MAXIMAL HEART RATE IN RECREATIONAL FOOTBALL PLAYERS USING LABORATORY AND FIELD TESTING.

Cupeiro, R. et al [Spain]

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Suárez-Rodríguez, D. et al [Spain]

DIFFERENCES IN VENTILATORY EFFICIENCY BETWEEN CYCLE ERGOMETER AND HALF-SQUAT EXERCISES.

Verdijk, L. [Netherlands]

INCREASING PHYSICAL ACTIVITY WITH HEALTH APPS FOR FAMILIES: A QUALITATIVE CONTENT ANALYSIS.

Spencer, M. [Norway]

THE IMPORTANCE OF PERFORMANCE IN COMPETITIONS AS AN INDICATOR OF FUTURE SUCCESS IN CYCLING.

Heller, J. [Czech Republic]

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COMMUNITY-DWELLING OLDER ADULTS.

Yamagata, M. et al [Japan]

INVESTIGATING THE PHYSICAL DEMANDS OF AN ELITE YOUTH TENNIS TRAINING CAMP.

Fleming, J.A. et al [United Kingdom]

HUMAN TRAINABILITY: EXPLORING THE HERTZ AND MODALITY DEPENDENCE OF FITNESS AND STRENGTH ADAPTATIONS IN A RANDOMISED CROSS-OVER STUDY OF TWINS.

Marsh, C. et al [Australia]

DIFFERENCES IN VENTILATORY EFFICIENCY BETWEEN CYCLE ERGOMETER AND HALF-SQUAT EXERCISES.

Lu, Y.J. et al [Taiwan]

CARBOHYDRATE AND LIPID METABOLISM IN FEMALE YOUTH SOCCER PLAYERS POST COMPETITIVE MATCH-PLAY.

Zemkova, E. [Slovakia]

THE PHYSIOLOGICAL DEMANDS OF NATIONAL HUNT RACING ON PROFESSIONAL JOCKEYS.

Michael, K. [Ireland]

VALIDITY AND RELIABILITY OF VO2 MAX TESTS AND WHITE COAT SYNDROME TESTING IN FEMALE YOUTH SOCCER PLAYERS USING A CROSS-OVER DESIGN.

Hughes, J.D. et al [United Kingdom]

EVALUATION OF MAXIMAL HEART RATE IN RECREATIONAL FOOTBALL PLAYERS USING LABORATORY AND FIELD TESTING.

Cupeiro, R. et al [Spain]

THE PHYSIOLOGICAL DEMANDS OF NATIONAL HUNT RACING ON PROFESSIONAL JOCKEYS.

Suárez-Rodríguez, D. et al [Spain]

DIFFERENCES IN VENTILATORY EFFICIENCY BETWEEN CYCLE ERGOMETER AND HALF-SQUAT EXERCISES.

Verdijk, L. [Netherlands]

INCREASING PHYSICAL ACTIVITY WITH HEALTH APPS FOR FAMILIES: A QUALITATIVE CONTENT ANALYSIS.

Spencer, M. [Norway]

THE IMPORTANCE OF PERFORMANCE IN COMPETITIONS AS AN INDICATOR OF FUTURE SUCCESS IN CYCLING.

Heller, J. [Czech Republic]

THE IMPORTANCE OF PERFORMANCE IN COMPETITIONS AS AN INDICATOR OF FUTURE SUCCESS IN CYCLING.

Kawata, F. et al [Japan]
OP-SH07
Terrace 2B
Psychology: Stress and anxiety
Chair(s):
Lemyre, P. [Norway]
MacIntyre, T. [Ireland]

Wednesday, July 3
17:45 - 19:00
OP-SH07-1
A LONGITUDINAL ANALYSIS OF THE RELATIONSHIP BETWEEN MENTAL FATIGUE, FATIGUE AND TREDINESS IN ELITE AND INTERNATIONAL NETBALL PLAYERS.
Russell, S. et al [Australia]

OP-SH07-2
A 4-WEEK ENDURANCE TRAINING PROGRAM IMPROVES TOLERANCE TO MENTAL EXERTION IN UNTRAINED INDIVIDUALS
Filipas, L. et al [Italy]

OP-SH07-3
COMPETITIVE AND ORGANISATIONAL STRESSORS FACED BY PROFESSIONAL JOCKEYS IN IRELAND
King, L. et al [Ireland]

OP-SH07-4
UTILITY OF A THREE-DIMENSIONAL DYNAMICAL SYSTEMS FRAMEWORK TO BETTER UNDERSTAND STRAIN-PERCEPTION-THINKING-ACTION COUPLING IN THE PHENOMENOLOGICAL EXPERIENCE OF “HITTING THE WALL”
Venhorst, A. et al [South Africa]

OP-SH07-5
ADRENAL STEROID LEVELS, METABOLIC AND CARDIORESPIRATORY PARAMETERS CHANGES IN RESPONSE TO EXTREME PHYSICAL STRESS IN MALE HANDBALL PLAYERS
Csöndör, É. et al [Hungary]

Thursday, July 4
08:00 - 09:30
IS-MI02
Congress Hall
Advances in athlete development research
Chair(s):
Cobley, S. [Australia]

IS-MI02-1
MULTI-DISCIPLINARY LONGITUDINAL ATHLETE DEVELOPMENT: KNOWLEDGE ADVANCES FROM THE GROENINGEN TALENT STUDIES
Lichtwark, G. [Australia]

IS-MI02-2
MULTI-DISCIPLINARY LONGITUDINAL ATHLETE DEVELOPMENT: KNOWLEDGE ADVANCES FROM TRACKING ADOLESCENT ATHLETES IN UK RUGBY LEAGUE
Till, K. [United Kingdom]

IS-MI02-3
ADVANCES IN ATHLETE DEVELOPMENT RESEARCH – COUPLING COGNITIVE FUNCTION WITH PERFORMANCE
Cobley, S. [Australia]

OP-PM05
South Hall 1A
Lifestyle: Ageing
Chair(s):
Verdijk, L. [Netherlands]
Heller, J. [Czech Republic]

08.00 [YIA] OP-PM05-1
BODY AGE ASSESSMENT – MOTIVATION FOR HEALTHIER LIFESTYLE IN 3844 DANISH EMPLOYEES
Husted, K. et al [Denmark]

08.15 [YIA] OP-PM05-2
SIT-TO-STAND MUSCLE POWER TEST IS A SENSITIVE AND CLINICALLY RELEVANT TOOL TO MONITOR CHANGES IN LOWER-LUMB MUSCLE POWER THROUGHOUT THE LIFESPAN
Alcazar, J. et al [Spain]

08.30 [YIA] OP-PM05-3
THE EFFECTS OF A 12-MONTH STRUCTURED EXERCISE PROGRAMME ON THE PROGRESSION OF WILD COGNITIVE IMPAIRMENT
Stuckenschneider, T. et al [Germany]

08.45 [YIA] OP-PM05-4
THE TIME COURSE OF PHYSIOLOGICAL ADAPTATIONS TO HIGH INTENSITY INTERVAL TRAINING IN HEALTHY OLDER ADULTS
Herrod, P.J.J. et al [United Kingdom]

09.00 [YIA] OP-PM05-5
HEALTHBEKES INDIVIDUAL E-BIKE POWER REGULATION APPLIED IN HEART PATIENTS AND HEALTHY TRAINED STUDENTS
Schützenhöfer, M. et al [Austria]
OP-PM07
South Hall 1B
Hormonal biology
Chair(s):
Hoffman, J. [United States]
Patricia, D. [Canada]
08:00 [YIA] OP-PM07-1
THE PHYSIOLOGICAL AND MECHANISTIC EFFECTS OF CHEMICAL ENDOGENOUS TESTOSTERONE DEPLETION DURING RESISTANCE EXERCISE TRAINING IN YOUNGER MEN: A DOUBLE-BLIND PLACEBO-CONTROLLED CLINICAL TRIAL
Gharahdaghi, N. et al [United Kingdom]
08:15 [YIA] OP-PM07-2
EFFECTS OF TIME-MATCHED ENDURANCE AND CONCURRENT TRAINING ON CIRCULATING SEX HORMONES AND BODY COMPOSITION IN OBESE POSTMENOPAUSAL WOMEN
Gonzalo-Encabo, P. et al [Spain]
08:30 OP-PM07-3
ANGOTENSIN CIRCULATING LEVELS AFTER MAXIMAL EXERCISE IN ELITE CYCLISTS
Motta-Santos, D. et al [Brazil]
08:45 OP-PM07-4
EFFECTS OF STRENGTH TRAINING ON BODY COMPOSITION, BIOCHEMICAL PARAMETERS AND PHYSICAL PERFORMANCE IN HYPOGONADAL PATIENTS
Kralik, M. et al [Slovakia]
09:00 OP-PM07-5
EFFECTS OF OESTROGEN AND PROGESTERONE ON SUBSTRATE OXIDATION AND RESPIRATORY VARIABLES
Benitez, J.A. et al [Spain]
09:15 OP-PM07-6
ACUTE HORMONAL RESPONSES TO AN INTENSE RESISTANCE EXERCISE PROTOCOL IN UNTRAINED MEN AND WOMEN
Maresh, C. [United States]
OP-MI04

Clubb E

Youth football

Chair(s):
Spencer, M. [Norway]
Wong, D. [China]

08:00 OP-MI04-1
A MULTIDIMENSIONAL INSIGHT INTO THE DIFFERENCES BETWEEN BOYS AND GIRLS WITHIN AUSTRALIAN SOCCER
O’Brien-Smith, J. et al [Australia]

08:15 OP-MI04-2
A PROFILE OF THE PHYSICAL, TECHNICAL AND TACTICAL SKILLS, AND PATHWAYS THAT UNDERPIN EXPERTISE IN AUSTRALIAN YOUTH SOCCER PLAYERS
Bruce, L. et al [Australia]

08:30 OP-MI04-3
HOW TO IMPROVE YOUR NON-PREFERRED FOOT? TRAINING TRANSFER FROM TASK-SPECIFIC SKILLS TO SMALL-SIDED GAMES IN YOUNG SOCCER PLAYERS. THE INEX PROJECT.
Fernandes, T. et al [Portugal]

08:45 OP-MI04-4
THE INEX PROJECT. SMALL-SIDED GAMES IN YOUNG SOCCER PLAYERS. TRAINING TRANSFER FROM TASK-SPECIFIC SKILLS TO HOW TO IMPROVE YOUR NON-PREFERRED FOOT?
MacIntyre, T. [Ireland]

Thursday, July 4
09:45 - 11:15

IS-PM01 Congress Hall

The effects of acute exercise and long-term exercise training on heart

Chair(s):
Heinonen, I. [Finland]

09:45 IS-PM01-1
MYOCARDIAL PERFUSION AND OXYGENATION DURING EXERCISE IN HEALTHY AND DISEASED HEARTS.
Merkus, D. [Netherlands]

10:15 IS-PM01-2
ECHOCARDIOGRAPHIC ASSESSMENT OF CARDIAC FUNCTION FOLLOWING PROLONGED STRENUOUS EXERCISE. OXBRIDGE, D. [United Kingdom]

10:45 IS-PM01-3
ACUTE AND LONG-TERM EFFECTS OF EXERCISE ON MYOCARDIAL FUNCTION, PERFUSION AND METABOLISM
Heinonen, I. [Finland]

11:15 IS-PM01-4
RETURN TO PLAY FROM MUSCULOSKELETAL INJURIES IN PROFESSIONAL SOCCER
Wagenmakers, A. [United Kingdom]

OP-PM04 South Hall 1A

Metabolic fitness and flexibility

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

09:45 [YIA] OP-PM04-1
THREE DAYS BED REST IMPAIRS WHOLE-BODY GLUCOSE DISPOSAL (WHICH IS FULLY RESTORED BY EXERCISE), BUT IS NOT FURTHER ACCENTUATED AFTER 56 DAYS BED REST.
Wilhelmsen, A. et al [United Kingdom]

10:15 [YIA] OP-PM04-2
EXERCISE-INDUCED IMPROVEMENTS IN POSTPRANDIAL GLUCOSE RESPONSE ARE BLUNTENED BY PRE-EXERCISE HYPERGLYCAEMIA
Carter, S. et al [United Kingdom]

10:45 [YIA] OP-PM04-3
CHRONIC EFFECTS OF HIGH INTENSITY INTERVAL TRAINING ON POSTPRANDIAL LIPIDEMIA IN HEALTHY MALES
Merkus, D. [Netherlands]

OP-SH08

Club H

Sport, environment, globalization

Chair(s):
Radmann, A. [Norway]
Gems, G. [United States]

08:00 OP-SH08-1
SEDENTARY LIFESTYLE, BODY ECOLOGY, AND SUSTAINABLE DEVELOPMENT
Loland, S. [Norway]

08:15 OP-SH08-2
GLOBALIZATION AND PROSPECT OF SPORTS TOURISM IN EAST ASIA
Jun, H.M. et al [Korea, South]

08:30 OP-SH08-3
THE ROLE OF SPORT EXCHANGES IN PROMOTING CHINA’S INTERNATIONAL RELATIONS
Yuan, Z. [China]

OP-SH04 Terrace 2A

Physical education and pedagogics

Chair(s):
Diketmüller, R. [Austria]

08:00 [YIA] OP-SH04-1
FROM A FIRST INSIGHT TO A DEEPER KNOWLEDGE OF DEPRESSION IN ELITE ATHLETES
Nixdorf, I. [Germany]

08:15 [YIA] OP-SH04-2
PERFECTIONISM AND ATHLETE BURNOUT: REVIEW, CRITIQUE, AND RECOMMENDATIONS
Madigan, D. [United Kingdom]

08:30 IS-SH01-1
ACUTE AND LONG-TERM EFFECTS OF EXERCISE ON MYOCARDIAL FUNCTION, PERFUSION AND METABOLISM
Heinonen, I. [Finland]

09:00 IS-SH01-2
RETURN TO PLAY FROM MUSCULOSKELETAL INJURIES IN PROFESSIONAL SOCCER
Close, G.L. [United Kingdom]

09:45 IS-SH01-3
RETURN TO PLAY FROM MUSCULOSKELETAL INJURIES: PSYCHOLOGICAL CONSIDERATIONS
Duda, J. et al [United Kingdom]

09:45 - 11:15

IS-PM01 Congress Hall

The effects of acute exercise and long-term exercise training on heart

Chair(s):
Heinonen, I. [Finland]

09:45 IS-PM01-1
MYOCARDIAL PERFUSION AND OXYGENATION DURING EXERCISE IN HEALTHY AND DISEASED HEARTS.
Merkus, D. [Netherlands]

10:15 IS-PM01-2
ECHOCARDIOGRAPHIC ASSESSMENT OF CARDIAC FUNCTION FOLLOWING PROLONGED STRENUOUS EXERCISE. OXBRIDGE, D. [United Kingdom]

10:45 IS-PM01-3
ACUTE AND LONG-TERM EFFECTS OF EXERCISE ON MYOCARDIAL FUNCTION, PERFUSION AND METABOLISM
Heinonen, I. [Finland]

11:15 IS-PM01-4
RETURN TO PLAY FROM MUSCULOSKELETAL INJURIES IN PROFESSIONAL SOCCER
Wagenmakers, A. [United Kingdom]

OP-PM04 South Hall 1A

Metabolic fitness and flexibility

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

09:45 [YIA] OP-PM04-1
THREE DAYS BED REST IMPAIRS WHOLE-BODY GLUCOSE DISPOSAL (WHICH IS FULLY RESTORED BY EXERCISE), BUT IS NOT FURTHER ACCENTUATED AFTER 56 DAYS BED REST.
Wilhelmsen, A. et al [United Kingdom]

10:15 [YIA] OP-PM04-2
EXERCISE-INDUCED IMPROVEMENTS IN POSTPRANDIAL GLUCOSE RESPONSE ARE BLUNTENED BY PRE-EXERCISE HYPERGLYCAEMIA
Carter, S. et al [United Kingdom]

10:45 [YIA] OP-PM04-3
CHRONIC EFFECTS OF HIGH INTENSITY INTERVAL TRAINING ON POSTPRANDIAL LIPIDEMIA IN HEALTHY MALES
Merkus, D. [Netherlands]

OP-SH08

Club H

Sport, environment, globalization

Chair(s):
Radmann, A. [Norway]
Gems, G. [United States]

08:00 OP-SH08-1
SEDENTARY LIFESTYLE, BODY ECOLOGY, AND SUSTAINABLE DEVELOPMENT
Loland, S. [Norway]

08:15 OP-SH08-2
GLOBALIZATION AND PROSPECT OF SPORTS TOURISM IN EAST ASIA
Jun, H.M. et al [Korea, South]

08:30 OP-SH08-3
THE ROLE OF SPORT EXCHANGES IN PROMOTING CHINA’S INTERNATIONAL RELATIONS
Yuan, Z. [China]

OP-SH04 Terrace 2A

Physical education and pedagogics

Chair(s):
Diketmüller, R. [Austria]

08:00 [YIA] OP-SH04-1
FROM A FIRST INSIGHT TO A DEEPER KNOWLEDGE OF DEPRESSION IN ELITE ATHLETES
Nixdorf, I. [Germany]

08:15 [YIA] OP-SH04-2
PERFECTIONISM AND ATHLETE BURNOUT: REVIEW, CRITIQUE, AND RECOMMENDATIONS
Madigan, D. [United Kingdom]

08:30 IS-SH01-1
ACUTE AND LONG-TERM EFFECTS OF EXERCISE ON MYOCARDIAL FUNCTION, PERFUSION AND METABOLISM
Heinonen, I. [Finland]

09:00 IS-SH01-2
RETURN TO PLAY FROM MUSCULOSKELETAL INJURIES IN PROFESSIONAL SOCCER
Close, G.L. [United Kingdom]

09:45 IS-SH01-3
RETURN TO PLAY FROM MUSCULOSKELETAL INJURIES: PSYCHOLOGICAL CONSIDERATIONS
Duda, J. et al [United Kingdom]
Thursday, July 4, 2019

10:45 - 11:00  OP-PM04-5
FOREARM IMMOBILIZATION-INDUCED INSULIN RESISTANCE OF GLUCOSE UPTAKE IS NOT EXACERBATED BY HIGH-FAT OVERFEEDING IN healthy, YOUNG MALES
Dirks, M.L. et al [United Kingdom]
11:00 - 11:15  OP-PM04-6
THE ROLE OF FAT-FREE MASS IN METABOLIC HEALTH: AN OPGROWING PERSPECTIVE
Lagacé, J.C. et al [Canada]

OP-PM11

South Hall 1B

Ageing
Chair(s):
Wessner, B. [Austria]
Thompson, W. [United States]
09:45 - 10:00  [YIA] OP-PM11-1
INTEGRATED MYOFIBRILLAR PROTEIN SYNTHESIS IN CHRONICALLY TRAINED MASTER ATHLETES COMPARED WITH UNTRAINED OLDER INDIVIDUALS
McKendry, J. et al [United Kingdom]
10:00 - 10:15  [YIA] OP-PM11-2
NOVEL INSIGHTS INTO HUMAN SKELETAL MUSCLE CREATIVE TRANSPORTER EXPRESSION AS A FUNCTION OF AGE
Luo, D. et al [United Kingdom]
10:15 - 10:30  [YIA] OP-PM11-3
SHORT-TERM TRAINING AND DETRAINING RESPONSES FOLLOWING DIVERGENT EXERCISE MODALITIES IN MIDDLE-AGED MEN
Calichan, M.J. et al [Australia]
10:30 - 10:45  OP-PM11-4
CHANGES IN PLASMA CIG AND APELIN CONCENTRATIONS FOLLOWING DESCENDING VERSUS ASCENDING STAR WALKING
Nosaka, K. [Australia]
10:45 - 11:00  OP-PM11-5
EFFECT OF LONG-TERM REGULAR SUPERVISED AEROBIC-STRENGTH TRAINING ON FUNCTIONAL STATUS IN THE ELDERLY
Slobodová, L. et al [Slovakia]

South Hall 2A

Gait I
Chair(s):
Hanley, B. [United Kingdom]
Lindinger, S. [Sweden]
09:45 - 10:00  [YIA] OP-BN05-1
EFFECT OF HOME-BASED ROBOTIC-ASSISTED GAIT TRAINING ON SPATIOTEMPORAL GAIT PARAMETERS IN PATIENTS WITH CHRONIC STROKE
Wright, A. et al [United Kingdom]
10:00 - 10:15  OP-BN05-2
PROSTHETIC GAIT OF UNILATERAL TRANSITIBIAL AMPUTATES WITH CURRENT AND NOVEL PROSTHESSES
De Pauw, K. et al [Belgium]
10:15 - 10:30  OP-BN05-3
TIMING OF GROUND REACTION FORCE PROGRESSION IN ELITE KENYAN Versus RECREATIONAL DISTANCE Runners
Burns, G.T. et al [United States]
10:30 - 10:45  OP-BN05-4
EFFECT OF WALKING WITH UNSTABLE FOOTWEAR SECTION-PELVIS-TRUNK COORDINATION VARIABILITY
Bucheker, M. et al [Australia]
10:45 - 11:00  OP-BN05-5
EFFECT OF TRICEPS SURAE MUSCLE-TENDON UNIT BIOMECHANICAL PROPERTIES ON WALKING ECONOMY IN OLDER ADULTS: A COMBINED CROSS-SECTIONAL AND LONGITUDINAL INVESTIGATION
Epro, G. et al [United Kingdom]

OP-MI01

South Hall 2B

Training and testing: Talent
Chair(s):
Shim, A. [United States]
Till, K. [United Kingdom]
09:45 - 10:00  [YIA] OP-MI01-1
IMPROVING THE ACCURACY OF ATHLETE SELECTION IN YOUTH FEMALE SWIMMING: AN APPLICATION OF CORRECTIVE ADJUSTMENT PROCEDURES
ABBOTT, S. et al [Australia]
10:00 - 10:15  OP-MI01-2
THE RELATIVE AGE EFFECT IN AGE GROUP SWIMMING – GERMANY COMPARED TO AUSTRALIA
Staub, I. et al [Germany]
10:15 - 10:30  OP-MI01-3
‘BIRTHDAY-BANDING’ AS A STRATEGY TO MODERATE THE RELATIVE AGE EFFECT: A CASE STUDY INTO THE ENGLAND SQUASH TALENT PATHWAY
Jeffreys, M. et al [United Kingdom]
10:30 - 10:45  OP-MI01-4
THREE IN A ROW: RELATIONSHIPS BETWEEN JUNIOR AND ELITE SUCCESS IN ROWING
Hoffmann, A. et al [Germany]
10:45 - 11:00  OP-MI01-5
THE COGNITIVE AND PHYSICAL CHARACTERISTICS OF YOUNG, TALENTED GYMNASTS
Laturinge, S. et al [Spain]
11:00 - 11:15  [YIA] OP-MI01-6
THE EFFECT OF FATIGUE RELATED SUSTAINED GROUP II/IV MUSCLE AFFECTER FIRING ON INTRACORTICAL EXCITATORY AND INHIBITORY BRAIN NETWORKS
Labella, C. et al [Australia]

OP-BN04

North Hall

Neuromuscular Physiology
Chair(s):
Hettinga, F. [United Kingdom]
Duchateau, J. [Belgium]
09:45 - 10:00  [YIA] OP-BN04-1
FOUR WEEKS OF ISOMETRIC STRENGTH TRAINING DETERMINE DIFFERENTIAL CHANGES IN MUSCLE FIBRE CONDUCTION VELOCITY IN HIGH- AND LOW-THRESHOLD MOTOR UNITS
Casado, A. et al [Italy]
10:00 - 10:15  [YIA] OP-BN04-2
THE EFFECT OF FATIGUE RELATED SUSTAINED GROUP II/IV MUSCLE AFFECTER FIRING ON INTRACORTICAL EXCITATORY AND INHIBITORY BRAIN NETWORKS
Labella, C. et al [Australia]
10:15 - 10:30  OP-BN04-3
ACUTE EFFECTS OF HEAVY- VS LIGHT-LOAD RESISTANCE TRAINING ON NEUROMUSCULAR AND FUNCTIONAL FATIGUE IN OLDER PEOPLE
Rodriguez-Lopez, C. et al [Spain]
10:30 - 10:45  OP-BN04-4
INFLUENCE OF KNEE EXTENSOR AND PLANTAR FLEXOR MUSCLE-TENDON BEHAVIOUR ON THE ENERGY COST OF RUNNING AT DIFFERENT SPEEDS
Monte, A. et al [Italy]
10:45 - 11:00  OP-BN04-5
NEUROMUSCULAR ADAPTATIONS INDUCED BY ELECTRICAL STIMULATION TRAINING APPLIED OVER THE NERVE AT LOW INTENSITY
Vitry, F. et al [France]
11:00 - 11:15  [YIA] OP-BN04-6
A MUSCLE SYNERGY PERSPECTIVE ON MODULAR SHOULDER MUSCLE CONTROL DURING MULTIPLANE MOVEMENTS
Umeheira, J. et al [Japan]
Oral & Invited Presentations

**OP-MI05**

**Club E**

**Agility**

Chair(s):
Zemkova, E. [Slovakia]
Impellizzeri, F. [Australia]

09:45 OP-MI05-1
IDENTIFYING KEY PERFORMANCE METRICS ASSOCIATED TO HIGH/LOW POINTERS IN WHEELCHAIR RUGBY FROM AGILITY TEST
Tsai, M. [Canada]

10:00 OP-MI05-2
THE INFLUENCE OF ENTRY AND EXIT TIME CONTRIBUTION ON CHANGE OF DIRECTION PERFORMANCE
Clarke, R. et al [United Kingdom]

10:15 OP-MI05-3
MOVEMENT VARIABILITY IN THOSE WITH AND WITHOUT ATHLETIC GROIN PAIN DURING A RUNNING CUT TASK.
Gore, S. et al [Ireland]

10:30 OP-MI05-4
ICE HOCKEY SPECIFIC REPEATED SHUTTLE SPRINT TEST PERFORMED ON ICE SHOULD NOT BE REPLACED BY OFF-ICE TESTING
Legerlotz, K. et al [Germany]

10:45 OP-MI05-5
HEART RATE RESPONSE AND RATING OF PERCEIVED EXERTION DURING SUBMAXIMAL YO-YO IR TEST ON SAND: A PILOT STUDY
Szwaia, S. et al [Germany]

**OP-SH09**

**Club H**

**History**

Chair(s):
Loland, S. [Norway]

09:45 OP-SH09-1
THE ROLE OF SÃO PAULO CLUBS FOR THE DEVELOPMENT OF GYMNASTICS DEMONSTRATIONS IN THE EARLY TWENTIETH CENTURY: REFLECTIONS FOR GYMNASTICS FOR ALL IN THE 21ST CENTURY
Tsai, M. [Canada]

10:00 OP-SH09-2
AESTHETICS OF AFRICAN DIASPORA RELATIONS BETWEEN LADIA (MARTINIQUE) AND CAPOERABRAZIL
Pasqua, L. et al [Brazil]

10:15 OP-SH09-3
HEROINE BOOMER, THE NATIONALIST CONSTRUCTION OF ELITE ATHLETES IN CHINESE SOCIETY
Hu, X. [China]

10:30 OP-SH09-4
COMPARATIVE STUDY OF CHINESE AND WESTERN LEISURE SPORT CULTURES
Li, J. et al [China]

10:45 OP-SH09-5
A CULTURAL STUDY OF DRAGON AND LION DANCES IN CHINA
Xiaojun, H. [China]

11:00 OP-SH09-6
INVESTIGATION INTO THE CORRELATES AND DETERMINANTS OF OLYMPIC SUCCESS
Soos, I. et al [Hungary]

**OP-SH03**

**Terrace 2A**

**Psychology**

Chair(s):
Franco, E. [Spain]
MacInlyre, T. [Ireland]

09:45 [YIA] OP-SH03-1
PHYSICAL ACTIVITY AND SEDENTARY EXPERIENCES IN HP AND KNEE OSTEOARTHRITIS: BALANCING BETWEEN BEING CONSTRAINED AND TO KEEP ENJOYING LIFE
Kanavaki, A.M. et al [United Kingdom]

10:00 [YIA] OP-SH03-2
THE EFFECTS OF LOW ENERGY AVAILABILITY, ACHIEVED THROUGH DIET OR EXERCISE, ON COGNITIVE FUNCTION IN ORAL CONTRACEPTIVE USERS AND EUMENORRHEIC WOMEN
Martin, D. et al [United Kingdom]

10:15 [YIA] OP-SH03-3
UNDERSTANDING BARRIERS AND ENABLERS FOR NUTRITIONAL ADHERENCE IN HIGH-PERFORMANCE SPORT
Bentley, M.R.N. et al [United Kingdom]

10:30 [YIA] OP-SH03-4
HEALTH-RELATED AND PSYCHOSOCIAL CORRELATES OF SEDENTARY BEHAVIOUR IN PEOPLE LIVING WITH RHEUMATOID ARTHRITIS; A LONGITUDINAL STUDY
Obnien, C.M. et al [United Kingdom]

10:45 OP-SH03-5
EFFECTS OF LIFE-SKILLS DEVELOPMENT PROGRAM ON YOUNG ELITE FEMALE ATHLETES
Harina, H. [Japan]

11:00 OP-SH03-6
CREATION AND VALIDATION OF THE HUNGARIAN SPORT MOTIVATION SCALE (H-SMS)
Prisztóka, G. et al [Hungary]

**IS-SH02**

**Terrace 2B**

**The role of perception in sport**

Chair(s):
Araujo, D. [Portugal]

09:45 IS-SH02-1
FOOTBALL PLAYERS’ ACTION CHOICES IN A FREE-KICK TASK: ACTION-SPECIFIC EFFECTS ON PERCEPTION ARE GROUNDED IN AFFORDANCE PERCEPTION
Savelsbergh, G. [Netherlands]

10:15 IS-SH02-2
EMBEDDING VIRTUAL REALITY SYSTEMS IN TRAINING PERCEPTUAL EXPLORATION BEHAVIOURS OF ENGLISH FOOTBALL ACADEMY PLAYERS: AN ECOLOGICAL DYNAMICS RATIONALE.
Davids, K. [United Kingdom]

10:45 IS-SH02-3
ANTICIPATION AS PERCEPTION OF CONCATENATED AFFORDANCES
Araujo, D. [Portugal]

**Thursday, July 4**

11:30 - 12:45

**PL-PS02**

**Congress Hall**

**Personalized exercise oncology**

Chair(s):
Wiskemann, J. [Germany]
Pedersen, B. [Denmark]

11:30 PL-PS02-1
IMPLEMENTATION OF EXERCISE AND CANCER GUIDELINES IN EUROPE
Schmitz, K. et al [United States]

12:10 PL-PS02-2
EVIDENCE-BASED EXERCISE GUIDELINES FOR PREVENTION AND TREATMENT OF CANCER
Wiskemann, J. et al [Germany]
Thursday, July 4, 2019

14:45 - 16:15

**OP-PM20**

**South Hall 1B**

**Molecular biology and biochemistry: Genomics I**

**Chair(s):**

Wessner, B. [Austria]

Flück, M. [Switzerland]

14:45

**OP-PM20-1**

THE EFFECT OF DIFFERENT KIND OF EXERCISE ON THE UNCPRA GENE EXPRESSION

Drozdzovska, S. et al [Ukraine]

15:00

**OP-PM20-2**

MICRORNA RESPONSES TO ACUTE RESISTANCE EXERCISE PROTOCOLS: A PILOT STUDY

Wood, N. et al [United Kingdom]

15:15

**OP-PM20-3**

MOLECULAR ANALYSIS AND SPORT PERFORMANCE IN ELITE RUGBY UNION PLAYERS

Pasqualett, M. et al [Italy]

15:30

**OP-PM20-4**

ACTING GENOTYPES AND ITS RELATIONSHIP WITH MUSCLE MASS AND FUNCTION OF KOSOVAN ADULTS

Salam, H. et al [Ireland]
IS-BN02

North Hall

Not so simple? Muscle-tendon interaction to amplify or attenuate power in human movement

Chair(s):
Cronin, N. [Finland]
14:45 IS-BN02-1
MUSCULAR ADAPTATION OF ANKLE-FOOT FUNCTION TO PRODUCE ACCELERATIONS IN HUMAN GAIT
Farris, D. [United Kingdom]
15:15 IS-BN02-2
MUSCLE-TENDON FUNCTION IN ELITE HIGH JUMPERS
Albracht, K. et al [Germany]
15:45 IS-BN02-3
MUSCLE-TENDON FUNCTION DURING A DISSIPATIVE TASK
Seynnes, O. [Norway]

OP-BN10

Club A

Testing and training in swimming I

Chair(s):
Fliss-Douer, O. [Israel]
Efferink-Gemser, M. [Netherlands]
14:45 OP-BN10-1
THE EFFECT OF SWIMMING TRAINING IN SYNCHRONIZED SWIMMERS ABILITIES
LAGI, V. et al [Hungary]
15:00 OP-BN10-2
THE EFFECT OF MUSCLE FATIGUE ON SCAPULAR KINEMATICS AND FUNCTIONALITY IN ADOLESCENT SWIMMERS
Ugur Ozyilmaz, U. et al [Turkey]
15:15 OP-BN10-3
INTRA-CYCLE VELOCITY FLUCTUATION IN SWIMMING: A NEW APPROACH
Gonjo, T. et al [Norway]
15:30 OP-BN10-4
ANALYSIS OF MUSCLE COORDINATION DURING UNDERWATER DOLPHIN KICKING USING MUSCLE SYNERGY METHOD
Yamakawa, K. et al [Japan]
16:00 OP-BN10-6
EFFECTS OF 10WEEKS FUNCTIONAL EXERCISE TRAINING ON FUNCTIONAL MOVEMENT SCREEN AND Y-BALANCE TEST IN YOUNG MALE SWIMMERS
Faude, O. et al [Switzerland]

IS-BN03

Terrace 2B

Advances in understanding the role of fundamental movement skills on children’s physical activity, health and academic achievement

Chair(s):
Duncan, M. [United Kingdom]
14:45 IS-BN03-1
OPTIMISING CHILDHOOD MOVEMENT IN IRELAND: A CRITICAL ANALYSIS OF TOO PROMINENT TO FAIL
O'Brien, W. [Ireland]
15:15 IS-BN03-2
UNDERSTANDING INTERACTIONS BETWEEN BIOLOGICAL AND BEHAVIOURS FACTORS AND MUSCLE COMPETENCE IN PORTUGUESE PRE-SCHOOLERS
Valle, S. [Portugal]
15:45 IS-BN03-3
EVALUATING INTERVENTIONS FOR CHILDREN’S PHYSICAL ACTIVITY, MOTOR COMPETENCE AND ACADEMIC PERFORMANCE
Duncan, M. [United Kingdom]

OP-BN10

Club E

Training and testing: Military / mixed

Chair(s):
Bishop, D. [Australia]
Zemkova, E. [Slovakia]
14:45 OP-MI07-1
OCCUPATIONALLY SPECIFIC, OPERATIONALLY RELEVANT PHYSICAL FITNESS TESTS AND STANDARDS FOR US AIR FORCE EXPLOSIVE ORDNANCE DISPOSAL AIRMAN
Baumgartner, N. et al [United States]
15:00 OP-MI07-2
SALIVA CORTISOL CONCENTRATIONS DURING MILITARY SURVIVAL TRAINING
Ojanen, T. et al [Finland]
15:15 OP-MI07-3
VALID ASSESSMENT OF MILITARY FITNESS. AN APPLIED MOTOR TEST FOR COMPLEX TASK DEMANDS
Rohde, U. et al [Germany]
15:30 OP-MI07-4
THE EFFECT OF MILITARY TRAINING ON BODY COMPOSITION AND BIOCHEMICAL MARKERS IN CZECH AIR FORCE PILOTS
GERYCH, D. et al [Czech Republic]
15:45 OP-MI07-5
HIGH INTENSITY TREADMILL EXERCISE – REDUCING THE BREATH BY BREATH NOISE USING THE INDEPENDENT BREATH ALGORITHM
Francescato, M.P. et al [Italy]
16:00 OP-MI07-6
EFFECTS OF 10WEEKS FUNCTIONAL EXERCISE TRAINING ON FUNCTIONAL MOVEMENT SCREEN AND Y-BALANCE TEST IN YOUNG MALE SWIMMERS
Faude, O. et al [Switzerland]

OP-SH11

Club H

Psychology: Cognition

Chair(s):
Tekin, M. [Turkey]
Hendy, A. [Australia]
14:45 OP-SH11-1
IMPROVING EXECUTIVE FUNCTIONING IN KINDERGARTEN CHILDREN – AN 8WEEK INTERVENTION STUDY
Binkbauer, J. et al [Austria]
15:00 OP-SH11-2
ACTIVE BREAK TO PROMOTE PHYSICAL ACTIVITY IN PRIMARY SCHOOL: EVALUATION OF PHYSICAL AND COGNITIVE FUNCTIONS AT BASELINE
Masini, A. et al [Italy]
15:15 OP-SH11-3
A 10WEEK EXERCISE PROGRAM IN PRIMARY SCHOOL CHILDREN MODERATES COGNITIVE PERFORMANCE VIA CHANGES IN TESTOSTERONE: A RANDOMIZED CONTROL TRIAL
Akko, D.P. et al [Germany]
15:30 OP-SH11-4
EFFECT OF EXERCISE DURATION ON COGNITIVE FUNCTION IN ADOLESCENTS
Cooper, S.B. et al [United Kingdom]
15:45 OP-SH11-5
THE INFLUENCES OF CARDIORESPIRATORY FITNESS LEVELS ON VISUOSPATIAL WORKING MEMORY IN INDIVIDUALS WITH FAMILY HISTORY OF ALZHEIMER DISEASE
Chiu, Y.K. et al [Taiwan]
16:00 OP-SH11-6
PHYSICAL FITNESS AND COGNITIVE FUNCTION IN AN AGING POPULATION: RESULTS FROM A CROSS-SECTIONAL AND RANDOMIZED CONTROLLED TRIAL
Faude, O. et al [Switzerland]
Thursday, July 4, 2019

16:45 - 18:15
IS-PM03

Congress Hall

The skin circulation as a target for lifestyle intervention and innovation in measurement
Chair(s):
Cable, T. [United Kingdom]
16:45 IS-PM03-1
THE CUTANEOUS CIRCULATION IN AGEING AND DISEASE
Alexander, L. [United States]
17:15 IS-PM03-2
EXERCISE TRAINING AND MICROVASCULAR FUNCTION IN FEMALES
Jones, H. [United Kingdom]
17:45 IS-PM03-3
NEW INSIGHTS INTO STRUCTURAL AND FUNCTIONAL ADAPTATION OF SKIN MICROVESSELS IN HUMANS
Green, D. [Australia]

IS-EX01

Panorama Hall

ECSS-ACSM Exchange symposium: Sport eligibility and classification in the paralympic games
Chair(s):
Meeusen, R. [Belgium]
IS-EX01-1
ECSS-ACSM EXCHANGE LECTURE: WHO IS ELIGIBLE FOR THE PARALYMPIC GAMES AND WHY ARE THERE SO MANY CLASSES?
Thompson, W. [United States]

OP-PM22

South Hall 1A
Respiration / Pulmonary
Chair(s):
Sheel, B. [Canada]
Cogo, A. [Italy]
16:45 OP-PM22-1
SYSTEMIC BUT NOT LOCAL REHYDRATION RESTORES DEHYDRATION-INDUCED ALTERATIONS IN LUNG FUNCTION IN HEALTHY ADULTS
Marshall, H. et al [United Kingdom]
17:00 OP-PM22-2
EFFECT OF EXPIRATORY LOADED BREATHING DURING MODERATE EXERCISE ON INTERCOSTAL MUSCLE OXYGENATION
Bretonneau, Q. et al [France]
17:15 OP-PM22-3
BREATHING RESISTANCE IN AUTOMATED METABOLIC SYSTEMS AND EFFECTS ON OXYGEN UPTAKE AND PULMONARY VENTILATION IN ELITE ATHLETES
Rosdahl, H. et al [Sweden]
17:30 OP-PM22-4
RESPIRATORY MUSCLE ENDURANCE IN ADULTS WITH CYSTIC FIBROSIS MEASURED BY INSPIRATORY RESISTIVE AND ISOAPNIC HYPERPEA TESTS
Gruel, M. et al [France]
17:45 OP-PM22-5
MODELLING THE SLOW COMPONENT: THE EFFECT OF STARTING VALUES ON THE RESULTING PARAMETER ESTIMATES
Draper, S. [United Kingdom]

18:00 OP-PM22-6
PHYSIOLOGICAL ASSESSMENT OF DIFFERENT SAILING TECHNIQUES IN YOUNG ELITE WINDSURFERS
Roberto, S. et al [Italy]

South Hall 1B
Gender
Chair(s):
Tildus, P. [Canada]
Pfister, G. [Denmark]
16:45 OP-PM21-1
THE EFFECTS OF SEX DIFFERENCES ON THERMOREGULATORY RESPONSES TO ICE SLURRY INGESTION
Iwata, R. et al [Japan]
17:00 OP-PM21-2
LOW FERRITIN STATUS AND HEPcidIN RESPONSE TO EXERCISE IN FEMALE ATHLETES
Alfaro-Magallanes, V.M. et al [Spain]
17:15 OP-PM21-3
SEX DIFFERENCES IN MUSCLE FUNCTION AND MYOCELLULAR RESPONSE TO A STRENUIOS MILITY FIELD EXERCISE
Lander, E. et al [Norway]
17:30 OP-PM21-4
DO ADOLESCENTS PERCEIVED PARENTAL SUPPORT ARE DIFFERENT BY GENDER TO PARTICIPATE IN REGULAR SPORT?
Lagoa, M.J. et al [Portugal]

18:00 OP-PM21-5
THE EFFECT OF STRENGTH TRAINING ON DISTANCE RUNNING MECHANICS
Trowell, D. [Australia]
17:00 OP-BN11-1
EFFECT OF RUNNING-INDUCED FATIGUE ON LOWER LWB KINEMATICS AND KINETICS DURING A 3DE CUTTING MANOEUVER IN MALES AND FEMALES
Oxendale, C.L. et al [United Kingdom]
17:15 OP-BN11-2
IMPACT ACCELERATIONS IN RECREATIONAL RUNNERS WITH AND WITHOUT A HISTORY OF INJURY.
Burke, A. et al [Ireland]
17:30 OP-BN11-3
THE EFFECT OF STRENGTH TRAINING ON DISTANCE RUNNING MECHANICS
Trowell, D. [Australia]
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17:15 OP-BN11-2
IMPACT ACCELERATIONS IN RECREATIONAL RUNNERS WITH AND WITHOUT A HISTORY OF INJURY.
Burke, A. et al [Ireland]
17:30 OP-
North Hall
From ankle sprain to chronic ankle instability...and how to avoid it - Sponsored by Adidas [Clinical track]
Chair(s): Gollhofer, A. [Germany]
IS-SP01-1
A “FATAL CAREER”: DEVELOPMENT OF CHRONIC ANKLE INSTABILITY IN SPORTS – THE BIOMECHANICAL PERSPECTIVE
Gehring, D. [Germany]
17:00 OP-BN13-2
ANKLE SPRAINS – THE ORTHOPAEDIC PERSPECTIVE
Lohrer, H. [Germany]
17:15 OP-MI08-2
CLINICAL ASPECTS OF ACUTE AND RECURRENT ANKLE SPRAINS – THE PROTHETIC PERSPECTIVE
Lohrer, H. [Germany]
17:45 OP-BN13-4
CHANGES IN MOTOR SYNERGIES DURING LEARNING A BALANCE TASK. A RANDOMIZED CONTROLLED TRIAL
Barbado, D. et al [Spain]
18:00 OP-BN13-3
THE ACUTE EFFECTS OF DIFFERENT MODES OF MUSCLE STRENGTH AND ENDURANCE TRAINING PROGRAMS ON PHYSICAL PERFORMANCE IN OLDER ADULTS
Verdijk, L. [Netherlands]
18:15 OP-MI08-3
THE INFLUENCE OF INERTIAL RESISTANCE LOW ROW EXERCISE ON PHYSICAL ABILITIES AMONG OLDER ADULT WOMEN
Spudic, D. et al [Slovenia]
18:30 OP-BN13-5
CHANGES IN MOTOR SYNERGIES DURING LEARNING A DISCRETE TASK
Caballero, C. et al [Spain]
18:45 OP-BN13-6
HARMONIOUS PASSION AND SELF-ORIENTED PERFECTIONISM ARE RELATED TO WELL-BEING IN ELITE TRAMPOLINISTS
Schiphol-Godart, L. et al [Netherlands]
19:00 OP-SH13-1
Psychology: Motivation
Chair(s): Lemyre, P. [Norway]
Cobley, S. [Australia]
16:45 OP-SH12-1
THE TEMPORAL ORDERING OF MOTIVATION AND SELF-CONTROL CROSS-LAGGED EFFECTS MODELS
Jordanen, G. et al [Norway]
17:00 OP-SH12-2
THE PHYS-CAN STUDY “FINDING MY OWN MOTIVATION” – A MIXED METHODS STUDY OF EXERCISE BEHAVIOUR CHANGE SUPPORT DURING ONCOLOGICAL TREATMENT
Mazzoni, A. S. et al [Sweden]
17:15 OP-SH12-3
UNDERSTANDING SPORT COMMITMENT AMONG ADOLESCENT ATHLETES: THE ROLE OF A SELF-DETERMINATION PERSPECTIVE
Berki, T. et al [Hungary]
17:30 OP-SH12-4
DEFINING THE MOTIVATIONAL STRUCTURE OF HUNGARIAN MALE AND FEMALE ATHLETES IN TEAM SPORTS WITH THE NEW H-SMS QUESTIONNAIRE
Paic, R. et al [Hungary]
17:45 OP-SH12-5
EXPERIENCING REDUCED PERFORMANCE DUE TO INJURY AND THE IMPLICATIONS FOR BASIC PSYCHOLOGICAL NEED SATISFACTION FOR YOUTH ELITE NORWEGIAN HANDBALL PLAYERS
Gjesdal, S. et al [Norway]
18:00 OP-SH13-2
Ethical behaviour in sport
Chair(s): Elbe, A. [Germany]
Anderson, E. [United Kingdom]
16:45 OP-SH13-1
MATCH-FIXING AS THREAT TO SPORT
Mrovec, L. [Czech Republic]
17:00 OP-SH13-2
CHANGES IN PERFORMANCE RESULTS OF RUSSIAN FEMALE MIDDLE- AND LONG-DISTANCE RUNNERS BEFORE AND AFTER AN IMPLEMENTATION OF ATHLETE BIOLOGICAL PASSPORT
Iljukov, S. [Finland]
17:15 OP-SH13-3
IS ANTI-DOPING A FAILURE? THE CASE OF PROFESSIONAL CYCLING
Fabien, O. et al [Switzerland]
17:30 OP-SH13-4
USE OF ILLICIT DRUGS BY YOUTH ATHLETES
Olivera, A. et al [Brazil]
17:45 OP-SH13-5
INACTION AS A FORM OF ACTION: THE BRITISH GOVERNMENT RESPONSES TO THE CALL TO BAN TACKLING IN SCHOOLS’ RUGBY
White, A. J. [United Kingdom]
18:00 OP-SH13-6
Harmonisation of minimum reporting standards for elite athletes
Chair(s): Schiphol-Godart, L. et al [Netherlands]
16:45 OP-SH13-1
HEAD IMPACT TELEMTRY IN NON-HELMETED COLLISION SPORTS: TOWARDS SETTING MINIMUM REPORTING STANDARDS
Williams, E M P. et al [United Kingdom]
17:00 OP-BN13-2
IMPROVED NONLINEAR SPORTS PERFORMANCE DUE TO ALTERNATIVE SHOE CLOSURE BASED ON ADJUSTABLE TENSION LACING
Pryhoda, M. et al [United States]
**IS-BN03**

North Hall

Brain stimulation: An emerging phenomenon in sport and exercise

Chair(s):
Mauger, A. [United Kingdom]
18:30 IS-BN03-1
ENHANCING PHYSICAL PERFORMANCE WITH TRANSCRANIAL DIRECT CURRENT STIMULATION: STATE OF THE ART AND FUTURE PERSPECTIVES
Angius, L. [United Kingdom]
19:00 IS-BN03-2
BRAN STIMULATION: AN EMERGING PHENomenON IN SPORT AND EXERCISE
Hendy, A. [Australia]
19:30 IS-BN03-3
NEURODOPING: GAINING THE EDGE THROUGH NON-INVASIVE BRAIN STIMULATION
Mauger, A. [United Kingdom]

**OP-PM43**

Clue A

Nutrition: Supplements and dietary regimens

Chair(s):
Morales-Álamo, D. [Spain]
Breen, L. [United Kingdom]
18:30 OP-PM43-1
IS TAKING SULFORAPHANE EFFECTIVE FOR ECCENTRIC EXERCISE-INDUCED MUSCLE SORENESS AND MUSCLE DAMAGE IN HUMANS?
Miura, I. et al [Japan]
18:45 OP-PM43-2
MAKING WEIGHT COULD BE SAFE AND EFFECTIVE
Cannataro, R. et al [Italy]
19:00 OP-PM43-3
TIME-RESTRICTED FEEDING, A ZEITGEBER FOR MUSCLE RESPONSE, LIPID PROFILE, AND MUSCULAR DAMAGE-RELATED BIOMARKERS IN YOUNG AND OLDER ADULT MEN
Sellami, M. [Tunisia]
19:15 OP-PM43-4
CHANGES IN P-WAVE AND PQ-INTERVAL OF THE ELECTROCARDIOGRAM IN MALE MIDDLE-LONG DISTANCE RUNNERS OVER A THREE-YEAR TRAINING PERIOD
Nie, J. et al [Macau]
19:30 OP-PM43-5
SKELETAL MUSCLE MICROVASCULAR BLOOD FLOW AND POSTPRANDIAL GLYCAEMIC RESPONSES TO A HIGH-Glucose Mixed Meal ingested 3 HOURS AFTER EXERCISE
Parker, L. et al [Australia]
19:45 OP-PM43-6
POST-EXERCISE MALONDIALDEHYDE ELEVATION AND EXERCISE INTENSITY ARE ASSOCIATED WITH TROPONIN ELEVATION: THE INDONESIAN NORTH COAST AND TOUR DE BORBUDUR 2017-TROPONIN STUDY
Azarn, M. et al [Indonesia]

**OP-PM46**

Clue E

Cardiovascular physiology I

Chair(s):
Giardina, M. [Italy]
18:30 OP-PM46-1
EFFECT OF SURGICAL REVASCULARISATION ON LEG MUSCLE MICROVASCULAR PERFUSION IN PATIENTS WITH PERIPHERAL ARTERIAL DISEASE
Askew, C.D. et al [Australia]
18:45 OP-PM46-2
THE INFLUENCE OF MATURATIONAL STATUS ON INTRA-CRANIAL VELOCITY AND NEUROVASCULAR COUPLING IN PRE AND POST-PUBERTAL BOYS
Talbot, J.S. et al [United Kingdom]
19:00 OP-PM46-3
INVESTIGATING THE POTENTIAL FUNCTIONAL EFFECTS OF POLYMORPHISMS WITHIN THE PROTEOGLYCAN AND ANGIOGENESIS GENES IN A GENETIC SUSCEPTIBILITY MODEL FOR ACHILLES TENDONOPATHY
Rahim, M. et al [South Africa]
19:15 OP-PM46-4
CHANGES IN P-WAVE AND PQ-INTERVAL OF THE ELECTROCARDIOGRAM IN MALE MIDDLE-LONG DISTANCE RUNNERS OVER A THREE-YEAR TRAINING PERIOD
Nie, J. et al [Macau]
19:30 OP-PM46-5
SKELETAL MUSCLE MICROVASCULAR BLOOD FLOW AND POSTPRANDIAL GLYCAEMIC RESPONSES TO A HIGH-Glucose Mixed Meal ingested 3 HOURS AFTER EXERCISE
Parker, L. et al [Australia]
19:45 OP-PM46-6
POST-EXERCISE MALONDIALDEHYDE ELEVATION AND EXERCISE INTENSITY ARE ASSOCIATED WITH TROPONIN ELEVATION: THE INDONESIAN NORTH COAST AND TOUR DE BORBUDUR 2017-TROPONIN STUDY
Azarn, M. et al [Indonesia]

**OP-SH15**

Club H

Sociology: Children and gender

Chair(s):
Diketmüller, R. [Austria]
Radmann, A. [Norway]
18:30 OP-SH15-1
TOO YOUNG FOR SPORT: AN ANALYSIS OF ORGANIZED SPORT ACTIVITIES FOR YOUNG CHILDREN IN NORWAY AND SWEDEN
Solens, O. et al [Norway]
18:45 OP-SH15-2
YOUNGER CHILDREN AND OLDER HORSES, EQUESTRIAN SPORT FOR PRE-SCHOOL CHILDREN
Rosén, A. et al [Sweden]
19:00 OP-SH15-3
VALIDATION OF THREE WIDELY USED QUESTIONNAIRE ITEMS INTENDED TO ASSESS ACTIVE COMMUNICATING AMONG ADOLESCENTS
Malnes, L. et al [Norway]
19:15 OP-SH15-4
THE IMPACT OF THE MENSTRUAL CYCLE ON PERFORMANCE: ELITE ATHLETES’ PERCEPTIONS
Forrest, L.J. et al [United Kingdom]
19:30 OP-SH15-5
OPERATION OF SPORTS FACILITIES: IS THERE A HEALTH-PROMOTION FUNCTION? 25 CASES FROM HUNGARY AND THE WORLD
Gyömörei, T. et al [Hungary]
19:45 OP-SH15-6
SUBCLINICAL DISORDERED EATING AND BODY DYSATISFACTION IN NORMAL WEIGHT CHILDREN - THE ROLE OF SPORTS ACTIVITY
Grimminger-Seidensticker, E. [Germany]
18:45 OP-SH14-2
IMPACT OF THE TALENT DEVELOPMENT ENVIRONMENT ON THE WELLBEING AND BURNOUT OF CARIBBEAN YOUTH TRACK AND FIELD ATHLETES
Thomas, C.E. et al [Australia]
19:15 OP-SH14-3
THE IMPACT OF THE MENSURAL CYCLE ON PERFORMANCE: ELITE ATHLETES’ PERCEPTIONS
Forrest, L.J. et al [United Kingdom]
19:30 OP-SH14-4
A MULTILEVEL APPROACH TO UNDERSTAND STUDENTS’ MOTIVATION TAKING INTO ACCOUNT TEACHERS’ ANTECEDENTS
Franco, E. [Spain]
19:45 OP-SH14-5
IMPORTANCE AND FEASIBILITY PERCEIVED IN MOTIVATIONAL STRATEGIES BY PHYSICAL EDUCATION TEACHERS
Hess, C.M. [Brazil]
Friday, July 5

08:00 - 09:30

IS-PM06

Congress Hall

The lungs during exercise: often overlooked, often misunderstood (Clinical track)

Chair(s):
Kippelen, P. [United Kingdom]

08:00 - IS-PM06-1
RESPIRATORY RESPONSES TO EXERCISE IN ATHLETES WITH SPINAL CORD INJURY
Rommer, L.M. [United Kingdom]

08:30 - IS-PM06-2
SEX DIFFERENCES IN THE VENTILATORY RESPONSE TO EXERCISE
Sheel, A.W. [Canada]

09:00 - IS-PM06-3
ASTHMA IN ELITE ATHLETES: CAUSES AND CONSEQUENCES
Kippelen, P. [United Kingdom]

OP-PM26

Panorama Hall

High intensity interval training

Chair(s):
Laaksonen, M. [Sweden]
MacDonald, M. [Canada]

08:00 - OP-PM26-1
EFFECTS OF SCHOOL-BASED HIGH-INTENSITY INTERMITTENT EXERCISE ON HEART RATE VARIABILITY AND ARTERIAL COMPLIANCE
Ketelhut, S. et al [Germany]

08:15 - OP-PM26-2
CARDIOPULMONARY RESPONSE COMPARISON BETWEEN RESISTED AND ENDURANCE HIT PROTOCOLS
Fernandez-Elias, V.E. et al [Spain]

08:30 - OP-PM26-3
THE EFFECT OF ISCHEMIC PRECONDITIONING ON CENTRAL MOTOR OUTPUT AND MUSCLE CONTRACTILITY AFTER A REPEATED SPRINT EXERCISE
Krog, M. et al [Denmark]

08:45 - OP-PM26-4
EFFECTS OF TRAINING INTENSITY ON THE VO2 AND MUSCLE DEOXYGENATION KINETICS
Reis, J.F. et al [Portugal]

09:00 - OP-PM26-5
COMPARISON BETWEEN SKELETAL MUSCLE ADAPTATIONS TO FREE-RUNNING WHEEL AND HIGH-INTENSITY INTERVAL TRAINING
Beleza, J. et al [Portugal]

09:15 - OP-PM26-6
FUNCTIONAL VS. RUNNING LOW-VOLUME HIT EFFECTS ON VO2MAX AND MUSCLE ENDURANCE
Menz, V. et al [Austria]

OP-PM29

South Hall 1B

Team sports: Soccer

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

08:00 - OP-PM29-1
ANALYSIS OF GOAL SCORING OPPORTUNITIES FROM ORGANIZED OFFENSIVE PATTERNS IN THE FIFA WORLD CUP RUSSIA 2018 MITROTAOSIS, M. et al [Greece]

08:15 - OP-PM29-2
WORK RATE PATTERNS DURING THE 2014 AND 2018 FIFA WORLD CUP: EFFECT OF SUBSTITUTIONS AND EXTRA-TIME
Rago, V. [Portugal]

08:30 - OP-PM29-3
COMPARISON OF IN-SEASON EXTERNAL AND INTERNAL LOAD ACROSS A PROFESSIONAL JUNIOR SOCCER ACADEMY
JULIAN, R. et al [Germany]

08:45 - OP-PM29-4
LOCOMOTOR CHARACTERISTICS, INTERNAL LOAD AND TECHNICAL ATTRIBUTES DURING BIOLOGICAL VS. CHRONOLOGICAL AGE BANDED SMALL-SIDED GAMES IN ELITE YOUTH SOCCER PLAYERS
Sansone, P. et al [Italy]

09:00 - OP-PM29-5
THE EFFECT OF MATCH STANDARD ON THE POST-MATCH PERCEIVED EXERTION AND WELLNESS OF PROFESSIONAL SOCCER REFEREES
Figueiredo, P. et al [Portugal]

09:15 - OP-PM29-6
RELATIONSHIPS BETWEEN DIFFERENT ACUTE CHRONIC WORK LOAD RATIO CALCULATIONS AND INJURIES IN ELITE SOCCER PLAYERS
Gualtieri, A. et al [Italy]

OP-BN17

South Hall 2B

Sports physiotherapy: Foot and ankle

Chair(s):
Eils, E. [Germany]
Flick, M. [Switzerland]

08:00 - OP-BN17-1
EFFECT OF 12-WEEK EVERTOR AND INVERTOR STRENGTH TRAINING ON MEDIAL AND LATERAL INCLINED WALK
Bavdek, R. et al [Slovenia]

08:15 - OP-BN17-2
EFFECT OF FOOTWEAR ON ANKLE PROPRIOCEPTION TESTED DURING LANDING IN PROFESSIONAL BADMINTON PLAYERS AND PARTICIPANTS WITHOUT SPECIFIC TRAINING EXPERIENCE
Yu, R. et al [China]

08:30 - OP-BN17-3
CRITERIA-BASED RETURN TO SPORT DECISION-MAKING FOLLOWING LATEROAL ANKLE SPRAIN INJURY: A SYSTEMATIC REVIEW AND NARRATIVE SYNTHESIS
Tsao, T.L. et al [Taiwan]

08:45 - OP-BN17-4
IS NEW PLANTAR FOOT INTRINSIC MUSCLE TRAINING MORE EFFECTIVE FOR THE MORPHOLOGY OF MEDIAL LONGITUDINAL ARCH AND MUSCLE STRENGTH?
Tsao, T.L. et al [Taiwan]

09:00 - OP-BN17-5
PROGRESSIVE EXERCISE SERIES FOR PATIENTS WITH CHRONIC ANKLE INSTABILITY: A CASE CONTROL STUDY
Bossard, D.S. [Ireland]

09:15 - OP-BN17-6
LOWER EXTREMITY JOINT MOMENTS DURING THE ACCELERATION PHASE OF BEND SPRINGING
Judson, L.J. et al [United Kingdom]

OP-MI09

South Hall 2A

Team sports I

Chair(s):
Gabrys, T. [Czech Republic]
Impellizzeri, F. [Australia]

08:00 - OP-MI09-1
PHYSICAL, PERCEPTUAL AND MENTAL DEMANDS OF BASKETBALL SMALL-SIDED GAMES: INFLUENCE OF TACTICAL TASKS AND TRAINING REGIMES
Sansone, P. et al [Italy]

08:15 - OP-MI09-2
EXTERNAL LOAD BETWEEN PLAYING POSITIONS AND QUARTERS IN COMPETITIVE ELITE BASKETBALL GARCIA, F. et al [Spain]

08:30 - OP-MI09-3
IS LANDING IMPACT ASSESSED IN BIOMECHANICAL-BASED LABORATORY TESTS FIT FOR PURPOSE?
Moran, K. et al [Ireland]

08:45 - OP-MI09-4
BIOMECHANICAL ANALYSIS OF DISTANCE CONTROL IN VOLLEYBALL OVERHEAD PASS
Ozawa, Y. et al [Japan]

09:00 - OP-MI09-5
VALIDITY AND RELIABILITY OF THE FITLIGHT SYSTEM IN ESTIMATING LINEAR SPRINT TIME
Ozawa, Y. et al [Japan]

09:15 - OP-MI09-6
AGE RELATED DIFFERENCES IN ANTHROPOMETRIC AND PERFORMANCE OF YOUNG FOOTBALL PLAYERS
Michaelides, M. et al [Cyprus]
SPORT HISTORY IN THE UNITED STATES: STATUS, CHALLENGES AND IMPORTANT FOR THE PE TEACHER EDUCATION?
Gems, G. [United States]
Chair(s):
08:00 IS-SH05-2
SPORT HISTORY IN EUROPE: ESSENTIAL FOR THE PE TEACHER EDUCATION?
Heck, S. [Germany]
09:00 IS-SH05-3
THE ROLE OF SPORT HISTORY IN GENDER STUDIES
Pfister, G. [Denmark]
09:45 IS-MI04-1

THE ROLE OF SPORT HISTORY IN GENDER STUDIES
Pfister, G. [Denmark]
09:45 IS-MI04-1

Friday, July 5
09:45 - 11:15
IS-MI04

Congress Hall

Individualization and optimization of exercise training prescription [Clinical track]
Chair(s):
Karsten, B. [Luxembourg]
09:45 IS-MI04-1
MONITORING AND OPTIMIZING TRAINING PRESCRIPTION IN CYCLING AND THE DEVELOPMENT OF NON-CLINICAL SETTING FOR PERSONS UNDERGOING CURATIVE ONCOLOGICAL TREATMENT
Henriksson, A. et al [Sweden]
OF A FATIGUE INDEX
Lamberts, R.P. [South Africa]
10:15 IS-MIO4-2
ACUTE AND CHRONIC RESPONSES TO INDIVIDUALIZED TRAINING PRESCRIPTIONS
Hopker, J. [United Kingdom]
10:45 IS-MIO4-3
OPTIMISING HIGH-INTENSITY AEROBIC TRAINING SESSIONS AND MONTHLY TRAINING ORGANISATION IN ENDURANCE ATHLETES
Ronnestad, B.R. [Norway]

OP-PM30
Panorama Hall
Cardiovascular physiology
Chair(s):
Laaksonen, M. [Sweden]
Thompson, W. [United States]
09:45 OP-PM30-1
CARDIOVASCULAR DRIFT AND LEFT VENTRICAL PERFORMANCE DURING PROLONGED EXERCISE AT MODERATE INTENSITY
Laginestra, F.G. et al [Italy]
10:00 OP-PM30-2
DIFFERENCES BETWEEN RIGHT AND LEFT VENTRICULAR STROKE VOLUMES AFTER CHANGES IN DIFFERENCES BETWEEN RIGHT AND LEFT VEN-
TICULAR FUNCTION IN MALE HUNGARIAN BUT NOT TO MENTAL STRESS WITH PRESERVED LEFT (ET-1) IN RESPONSE TO ACUTE EXTREME PHYSICAL
INCREASED LEVELS OF PLASMA ENDOTHELIN-1
Birnbaumer, P. et al [Austria]
10:45 OP-PM30-5
CHANGES IN QT INTERVAL AND T-WAVE OF THE ELECTROCARDIOGRAM IN MALE MIDDLE-LENGTH RUNNERS OVER A THREE-YEAR TRAINING PERIOD* Shi, Q. et al [Macau]

OP-PM31
South Hall 1A
Obesity
Chair(s):
Wagenmakers, A. [United Kingdom]
Pilz-Burstein, R. [Israel]
09:45 OP-PM31-1
PHYSICAL ACTIVITY AND SEDENTARY BEHAVIOR LEVELS BETWEEN HIGH-INTENSITY INTERVAL TRAINING AND MODERATE-INTENSITY CONTINUOUS TRAINING EXERCISE INTERVENTIONS IN PREVIOUSLY INACTIVE, OVERWEIGHT ADULTS
Taylor, K. et al [United States]
10:00 OP-PM31-2
THE LONG-TERM Efficacy OF NORDIC WALKING VERSUS WALKING EXERCISE FOR OVERWEIGHT TREATMENT
Muollo, V. et al [Italy]
10:15 OP-PM31-3
EFFECT OF AN 8-WEEK FREE-PRE-PREPARED LOW-CARBOHYDRATE DIET AND PRESCRIBED EXERCISE ON FITNESS, BODY COMPOSITION, AND BLOOD LIPID PROFILE IN OVERWEIGHT AND OBESE INDIVIDUALS
Polman, R. et al [Australia]
10:30 OP-PM31-4
AGE EFFECTS ON THE DEFLECTION OF THE HEART RATE PERFORMANCE CURVE IN MAXIMAL INCRE-
MENTAL CYCLE ERGOMETER EXERCISE IN A LARGE COHORT OF HEALTHY SUBJECTS
Bimbaumer, P. et al [Austria]
10:45 OP-PM31-5
INCREASED LEVELS OF PLASMA ENDOTHELIN-1 (ET-1) IN RESPONSE TO ACUTE EXTREME PHYSICAL BUT NOT TO MENTAL STRESS WITH PRESERVED LEFT VENTRICULAR FUNCTION IN MALE HUNGARIAN ATHLETES
Ligeti, R. et al [Hungary]

OP-PM32
South Hall 1B
Muscle damage and repair II
Chair(s):
Bogdanis, G. [Greece]
Damicco, A. [United States]
09:45 OP-PM32-1
EXERCISE-INDUCED MUSCLE DAMAGE THROUGHOUT THE MENSTRUAL CYCLE
Romero-Parral, N. et al [Spain]
10:00 OP-PM32-2
SKELETAL MUSCLE TROPONIN RELEASE AFTER WHOLE-BODY ECCENTRIC EXERCISES RESULTING IN LARGE INCREASES IN PLASMA CK ACTIVITY
Chen, T.C. et al [Taiwan]
10:15 OP-PM32-3
CONTRALATERAL EFFECTS OF ECCENTRIC TRAINING ON NEUROMUSCULAR FUNCTION OF THE ELBOW FLEXORS DURING FOUR WEEKS OF IMMOBILISATION
VALDES, O. et al [Chile]
10:30 OP-PM32-4
EFFECT OF MUSCLE LENGTHS DURING ECCENTRIC CONTRACTIONS ON DAMAGE AND THE REPEATED BOUT EFFECT OF THE RECTUS FEMORIS
Ema, R. et al [Japan]
10:45 OP-PM32-5
RUNNERS WITH REDUCED PACE EXHIBIT A SHORTER SHOE LENGTH AND HIGH MUSCLE DAMAGE VALUES AT THE END OF A MARATHON
ISHIKURA, K. et al [Japan]
11:00 OP-PM32-6
DOES MATURATION INFLUENCE NEUROMUSCULAR PERFORMANCE AND MUSCLE DAMAGE AFTER COMPETITIVE MATCH-PLAY IN YOUTH MALE SOCCER PLAYERS?
De Ste Croix, M. et al [United Kingdom]

OP-BN19
South Hall 2A
Motor learning and motor control: Coordination
Chair(s):
Vanlandewijck, Y. [Belgium]
Krug, J. [Germany]
09:45 OP-BN19-1
ANALYSIS OF INTERFERENCE BETWEEN PLAYERS DURING FACE-TO-FACE COOPERATIVE BALL-INTERCEPTION TASK
FAURE, C. et al [France]
10:00 OP-BN19-2
MOTOR COMPETENCES PREDICT CHANGES IN NEUROPHYSIOLOGICAL INDICES OF WORKING MEMORY MAINTENANCE
Ludyga, S. et al [Switzerland]
10:15 OP-BN19-3
ACUTE EFFECTS OF PHYSICAL AND MENTAL FATIGUE ON POSTURAL SWAY AND CORTICAL ACTIVITY IN HEALTHY YOUNG ADULTS
Gebel, A. et al [Germany]
10:30 OP-BN19-4
DOES ALTITUDE TRAINING ENHANCE SPRINT-DISPLACEMENT PERFORMANCE? Wintner, A.K. et al [Norway]
10:45 OP-BN19-5
A METHOD OF DETERMINING DRAG COEFFICIENTS OF SWIMMERS DURING FRONT CRAWL SWIMMING TO ASSESS ITS RELATIONSHIP WITH TORSO SHAPE
Papic, C. et al [Australia]
11:00 OP-BN19-6
OXYGEN UPTAKE KINETICS DURING MODERATE-INTENSITY FRONT CRAWL AND BREASTSTROKE SWIMMING
Lomax, M. [United Kingdom]
Oral & Invited Presentations

IS-BN05

North Hall

Hamstring strain injuries: Prevention, rehabilitation and prediction. Lessons from moneyball [Clinical track]

Chair(s):
Timmins, R. [Australia]

09:45 IS-BN05-1
HAMSTRING STRAIN INJURY PREVENTION/INTERVENTION: HOW TO MAKE SENSE OF ALL THE CONFLICTING VIEWS AND WHY CAN’T WE ALL GET ALONG?

Timmins, R. [Australia]

10:15 IS-BN05-2
ACUTE HAMSTRING INJURIES: AN EVIDENCE-BASED DIAGNOSIS, PROGNOSIS, REHABILITATION AND RETURN TO SPORTS

Wangensteen, A. [Norway]

10:45 IS-BN05-3
PREDICTING HAMSTRING STRAIN INJURIES: IS IT POSSIBLE AND IS IT PRACTICAL?

Ruddy, J. [Australia]

OP-BN21

Club A

Gait II

Chair(s):
Gehring, D. [Germany]
Zernicke, R. [United States]

09:45 OP-BN21-1
IMMEDIATE GAIT ADAPTATION FROM WALKING ON A TREADMILL TO WALKING ON A TREADMILL IN A FULLY IMMERSIVE VIRTUAL ENVIRONMENT

Bovim, L.P. et al. [Norway]

10:00 OP-BN21-2
LATERALITY OF FEMALE BREAST MOTION IN TREADMILL RUNNING

Hassmann, M. et al. [Australia]

10:15 OP-BN21-3
INTRA-LIMB COORDINATION AND COORDINATION VARIABILITY OF SEMI-PROFESSIONAL SOCCER PLAYERS DURING AN ACCELERATION SPRINT RUN

Widowski, M. et al. [United Kingdom]

10:30 OP-BN21-4
THE ANKLE POSITION AFFECTS THE HAMSTRING ACTIVATION DURING THE NORDIC EXERCISE PERFORMANCE

Radaelli, R. et al. [Brazil]

10:45 OP-BN21-5
DO CUSTOM FOOT ORTHOSES MODIFY THE BIOMECHANICAL MANIFESTATION OF FATIGUE DURING REPEATED TREADMILL SPRINTS?

Girard, O. et al. [Australia]

11:00 OP-BN21-6
CHANGES IN CONTACT AND FLIGHT TIMES WITH INCREASED SPEED OVER GROUND AND TREADMILL RACE WALKING

Hanley, B. et al. [United Kingdom]

OP-PM33

Club E

Healthy and fitness: Ageing II

Chair(s):
Buckley, J. [Australia]

Berntsen, S. [Norway]

09:45 OP-PM33-1
LONGEVITY AND CAUSES OF DEATH IN FORMER US OLYMPICANS

Almoro, J. et al. [France]

10:00 OP-PM33-2
IMMUNOMODULATORY EFFECTS OF REGULAR EXERCISE TRAINING IN YOUNG AND OLDER ADULTS

Papp, G. et al. [Hungary]

10:15 OP-PM33-3
EFFECT OF AEROBIC EXERCISE AND PM2.5 ON PULMONARY FUNCTION AND INFLAMMATION IN AGED RATS

Zhao, J. et al. [China]

10:30 OP-PM33-4
CAPACITY OF CARE HOME RESIDENTS TO PERFORM FUNCTIONAL ABILITY TESTS

Bampouras, T. et al. [United Kingdom]

10:45 OP-PM33-5
INFLUENCE OF SPEED DIFFERENCE IN CHAIR SIT-TO-STAND EXERCISE ON HEART RATE AND BLOOD PRESSURE RESPONSES IN THE ELDERLY

Shino, N. et al. [Japan]

IS-SH06

Terrace 2B

Sustainable sport tourism - Challenges for the future

Chair(s):
Hedenborg, S. [Sweden]

09:45 IS-SH06-1
THE CANADIAN BIRKEBEINER SKI FESTIVAL AND SUSTAINABLE HERITAGE SPORT TOURISM

Reichwein, P. [Canada]

10:15 IS-SH06-2
SEARCHING FOR THE PERFECT RIDE. A TENTATIVE STUDY OF HORSE TOURISM ON INTERNET

Hedenborg, S. [Sweden]

10:45 IS-SH06-3
SPORT AN NATURE-BASED TOURISM IN NORWAY: SPORT/FRILUFTSLIV, TOURISM AND (MEDIATED) NATURE

Radmann, A. [Norway]

Friday, July 5

11:30 - 12:45

PL-P503

Congress Hall

Sport and brain injuries - A red flag for sport?

Chair(s):
Hedenborg, S. [Sweden]

11:30 PL-P503-1
CHRONIC TRAUMATIC ENCEPHALOPATHY IN TOP ATHLETES

McKee, A. [Australia]

12:10 PL-P503-2
SCHOOL’S RUGBY AS INSTITUTIONAL CHILD ABUSE

Anderson, E. [United Kingdom]

12:30 PL-P503-3
SPORT IN THE MOVIE RUGBY LEAGUE: LINKS BETWEEN THE ON FIELD PERFORMANCE AND THE OFF FIELD PERFORMANCE

Zlotnik, D. et al. [Australia]

IS-PS01

Congress Hall

Sport and brain injuries - A red flag for sport?

Chair(s):
Hedenborg, S. [Sweden]

11:30 IS-PS01-1
CHRONIC TRAUMATIC ENCEPHALOPATHY IN TOP ATHLETES

McKee, A. [Australia]

12:10 IS-PS01-2
SCHOOL’S RUGBY AS INSTITUTIONAL CHILD ABUSE

Anderson, E. [United Kingdom]

12:30 IS-PS01-3
SPORT IN THE MOVIE RUGBY LEAGUE: LINKS BETWEEN THE ON FIELD PERFORMANCE AND THE OFF FIELD PERFORMANCE

Zlotnik, D. et al. [Australia]
AEROBIC CAPACITY AND PERFORMANCE DURING INTERVAL training

FUNCTION?

Looking inside-out into ageing skeletal muscle: Hormones, systemic inflammatory environment and the extracellular matrix

The post-season transitional period in well-trained cyclists

Specific psychomotor performance?

Van Cutsen, J. et al [Belgium]

Quinine ingestion during the latter stages of a 3 km TT fails to improve cycling performance

Etxebarria, N. et al [Australia]

Enhancement of exercise performance by 48 hours, and 15-day supplementation with mangiferin and luteolin in men

Gelobert-Rebolo, M. et al [Spain]

Specific psychomotor performance?

Van Cutsen, J. et al [Belgium]

Quinine ingestion during the latter stages of a 3 km TT fails to improve cycling performance

Etxebarria, N. et al [Australia]

Enhancement of exercise performance by 48 hours, and 15-day supplementation with mangiferin and luteolin in men

Gelobert-Rebolo, M. et al [Spain]

OP-PM36

South Hall 1B

Fatigue

Chairs:

Lepers, R. [France]

Angius, L. [United Kingdom]

Nutrition: Ergogenic aids II

Chairs:

Roelands, B. [Belgium]

Brandstaetter, R. [Australia]

A moderate caffeine dose increases strength performance in resistance-trained females

Risvang, L. et al [United Kingdom]

Acute pre-exercise carnosine/anserine supplementation improves human maximal isometric muscle force and cycling power in an unfatigued state

Djeager, S. et al [Belgium]

The effect of transcranial direct current stimulation on cycling performance and the modulation of exercise-induced pain

Judge, M. et al [United Kingdom]

OP-PM37

South Hall 1A

Interval training

Chairs:

Bishop, D. [Australia]

Westerblad, H. [Sweden]

The addition of sprint intervals to traditional low-intensity training maintains aerobic capacity and performance during the post-season transitional period in well-trained cyclists

Byrkjedal, P.T. et al [Norway]

Current methods to individualise exercise intensity are inappropriate for exhaustive interval training

Bassi, A.H. et al [United Kingdom]

Effectivity of high intensity high volume training HI-HVT vs continuous training ICTI?

Wiltke, T.C. et al [Germany]

Physiological profile of 4-min and 8-min self-paced cycling intervals: influence of work to rest manipulation

de Lucas, R.D. et al [Brazil]

Putting more hit in hit eccentric cycling during the recovery phase

Harrison, A.J. et al [Australia]

OP-PM35

Panorama Hall

Congress Hall

08:00 - 20:30

Friday, July 5, 2019

ECSS Prague 2019 - Czech Republic, 3-6 July

39
Oral & Invited Presentations

OP-BN22
North Hall
Muscle and/or tendon function II
Chair(s):
Farris, D. [United Kingdom]
Nicel, C. [France]
14:45 OP-BN22-1
IMPACT OF THE PLANTARFLEXOR MORPHOLOGY AND FOOT STRUCTURE ON RUNNING PERFORMANCE
Kovács, B. et al [Hungary]
15:00 OP-BN22-2
CHANGES IN HAMSTRING MORPHOLOGY AND ARCHITECTURE ARE NOT ASSOCIATED WITH SPRINTING OR VERTICAL JUMP PERFORMANCE
Duhig, S. et al [Australia]
15:15 OP-BN22-3
THE EFFECT OF STEP FREQUENCY ON THE BEHAVIOR OF MEDIAL GASTROCNEMIUS MUSCLE-TENDON COMPLEX DURING HUMAN RUNNING.
Takeshita, T. et al [Japan]
15:30 OP-BN22-4
PROXIMAL-DISTAL HAMSTRINGS ELECTROMYOGRAPHY ACTIVITY AT DIFFERENT RUNNING SPEEDS
Heegy, A. et al [Finland]
15:45 OP-BN22-5
OPERATING LENGTH AND VELOCITY OF M. SOLEUS FASCICLES DURING RUNNING AND THE ASSOCIATION TO LOCOMOTORY ECONOMY
Bohm, S. et al [Germany]
16:00 OP-BN22-6
THE EFFECTS OF MUSCLE MASS ON CONTRACTILE PERFORMANCE IN HUMANS
Ross, S.A. et al [Canada]

OP-BN23
Club A
Sports technology III
Chair(s):
Madigan, D. [United Kingdom]
Linnamo, V. [Finland]
14:45 OP-BN23-1
MACHINE LEARNING PREDICTION MODELING IN ELITE SPORTS
Kljuchnikov, M.S. et al [Russia]
15:00 OP-BN23-2
USING MACHINE LEARNING TO INFERENCE INDIVIDUAL ATHLETE MOVEMENT MODELS FROM VIDEO
Galagher, K.V. et al [United States]
15:15 OP-BN23-3
ANALYSIS OF FOOT SKIN TEMPERATURE AND THERMAL COMFORT PERCEPTION OF A THERMOFORMABLE PREFABRICATED INSOLE DURING RUNNING REQUENA BUENO, L. [Spain]
15:30 OP-BN23-4
SKY STYLE CLASSIFICATION AND SCORING USING A SIMPLE SENSOR AND ALGORITHM SYSTEM
Yu, P. et al [China]
15:45 OP-BN23-5
DATA PROCESSING INFLUENCES THE CONCURRENT VALIDITY OF IMUS FOR INDOOR PLAYER MONITORING
Roell, M. et al [Germany]
16:00 OP-BN23-6
FORCES APPLIED IN ERGO METER AND ON-WATER ROWING - A NON REPRESENTATIVE ENVIRONMENT
Miller, S.K. et al [New Zealand]

OP-PM38
Club E
Team sports: Children
Chair(s):
Reichwein, P. [Canada]
Hoos, O. [Germany]
14:45 OP-PM38-1
EFFECTS OF A LOW CARBOHYDRATE HIGH FAT DIET ON BODY COMPOSITION AND INSULIN SIGNALLING.
Kilding, A. [New Zealand]
14:45 OP-PM38-2
EFFECTS OF 4V4 COMPARED TO 7V7 MATCH PLAY ON TECHNICAL AND TACTICAL PARAMETERS IN YOUTH SOCCER PLAYERS
Hintermann, M. et al [Switzerland]
15:00 OP-PM38-3
THE RELATIONSHIP BETWEEN THE LEVEL OF ALL-ROUND DEVELOPMENT AND THE ACQUISITION OF SPECIFIC SPORT SKILLS IN CHILDREN IN YOUNGER SCHOOL AGE
Kamínková, L. [Czech Republic]
15:15 OP-PM38-4
EXAMINING THE BIDIRECTIONAL ASSOCIATIONS BETWEEN CHANGES IN CARDIORESPIRATORY FITNESS AND FATNESS: THE UPANDDOWN LONGITUDINAL STUDY.
Perez-Bey, A. et al [Spain]
15:30 OP-PM38-5
THE EFFECT OF STRUCTURED FOOTBALL TRAINING PROGRAMME ON FOOTBALL, PSYCHOLOGICAL AND PHYSICAL ACTIVITY RELATED MEASURES IN YOUNG AND OLDER MEN
Komínková, L. et al [Czech Republic]
15:45 OP-PM38-6
PHYSICAL ACTIVITY LEVELS AND SELF-RATed HEATH IN SPANISH SCHOOLCHILDREN; A TRENDBY ANALYSIS, 2011-2018
Grao-Cruces, A. et al [Spain]
16:00 OP-PM38-7
ACCELEROMETER-MEASURED PHYSICAL ACTIVITY IN CHILDREN AND ADOLESCENTS AT ALTITUDES OVER 3,500 METERS: A CROSS-SECTIONAL STUDY IN TIBET
Wang, M. [China]

OP-PM39
Club H
Health and fitness: Pregnancy - HIT - Timing of exercise
Chair(s):
Buddle, H. [Germany]
Hintermann, M. et al [Switzerland]
14:45 OP-PM39-1
EFFECTS OF AEROBIC EXERCISE DURING PREGNANCY ON OFFSPRING VASCULAR STRUCTURE
Kamandulis, S. et al [Lithuania]
14:45 OP-PM39-2
PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF LOW VOLUME HIGH INTENSITY INTERVAL EXERCISE IN YOUNG AND OLDER MEN
Kovács, B. et al [Hungary]
14:45 OP-PM39-3
PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF HIGH INTENSITY INTERVAL TRAINING ON CHRONIC RESISTANCE TRAINING OUTCOMES IN HEALTHY YOUNG MEN AND WOMEN.
Thomas, A. et al [Canada]
14:45 OP-PM39-4
HIT THE GYM BEFORE YOU HIT THE HAY? THE IMPACT OF MODERATE AEROBIC EXERCISE AND MODERATE RESISTANCE EXERCISE ON NIGHT-TIME SLEEP.
Miller, D.J. et al [Australia]
14:45 OP-PM39-5
HIGH-INTENSITY INTERVAL TRAINING AMELIORATES CAROTID ARTERIAL STIFFNESS: CONSEQUENCES AND POTENTIAL MECHANISMS
Streese, L. [Switzerland]
14:45 OP-PM39-6

IS-MI03
Terrace 2A
Sport for athletes with disability: Classification research, smart monitoring technology and training or performance issues in wintersports for individuals with disability
Chair(s):
Fliess-Douer, O. [Israel]
14:45 IS-MI03-1
SPORT FOR ATHLETES WITH DISABILITY: CLASSIFICATION RESEARCH, SMART MONITORING TECHNOLOGY AND TRAINING OR PERFORMANCE ISSUES IN WINTER SPORTS FOR INDIVIDUALS WITH DISABILITY
Vanlandewijck, Y. [Belgium]
15:15 IS-MI03-2
SMART SENSOR TECHNOLOGY AND MODERN MEASUREMENT TOOLS AND CONCEPTS IN WINTER SPORTS FOR ATHLETES WITH DISABILITY - OPTIONS FOR TRAINING AND RACE ANALYSES
Kovács, B. et al [Hungary]
15:45 IS-MI03-3
TRAINING INTERVENTIONS AND PERFORMANCE IN DISABLED ELITE SPORTS
Perret, C. [Switzerland]
16:00 OP-PM44

OP-PM44
Terrace 2B
Nutrition: Carbohydrates and dietary regimens
Chair(s):
Kilding, A. [New Zealand]
Thompson, W. [United States]
14:45 OP-PM44-1
THE EFFECT OF A LOW CARBOHYDRATE HIGH FAT DIET ON BODY COMPOSITION AND INSULIN SIGNALLING.
McCullough, D. et al [United Kingdom]
Friday, July 5, 2019

15:00 - 16:45
OP-PM44-2
EFFECTS OF A VERY LOW CARBOHYDRATE KETOGENIC DIET ON BODY COMPOSITION, MUSCLE STRENGTH, MUSCLE AREA, METABOLISM AND PERFORMANCE IN SEMI-PROFESSIONAL SOCCER PLAYERS
Pooi, A. et al [Italy]

15:15 - 16:45
OP-PM43-3
VOLUNTARY WHEEL RUNNING ACCELERATES PHYSIOLOGICAL IMPROVEMENT IN HIGH-FAT-DET FED MICE
Aoki, T. et al [Japan]

16:45 - 18:15
Friday, July 5, 2019

16:45 - 18:15
OP-PM44-4
CYSTINE AND GLUTAMINE ALLEVIATES THE EXERCISE-INDUCED DISRUPTION OF GUT BARRIER FUNCTION, THROUGH SUPPRESSING INFLAMMATION
Mizugaki, A. et al [Japan]

IS-EX02
Panoona Hall

ECSS-JSPFSM Exchange symposium: Lactate/pyruvate metabolism in skeletal muscle: Energy substrates and beyond

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

IS-EX02-1
LACTATE TRANSPORTERS IN SKELETAL MUSCLE
Kitao, Y. [Japan]

IS-EX02-2
LACTATE AS A SIGNALING MOLECULE FOR TRAINING ADAPTATION
Hashina, D. [Japan]

IS-EX02-3
EXERCISE-INDUCED PDH REGULATION IN SKELETAL MUSCLE
Pilegaard, H. [Denmark]

17:15 - 18:45
OP-PM40
South Hall 1A

Fat, glucose and metabolism

Chair(s):
Bassel, F. [Canada]

16:45 - 18:15
OP-PM40-1
EFFECT OF MATCH A-HA TEA SUPPLEMENTATION ON METABOLIC AND PHYSIOLOGICAL RESPONSES AT MODERATE INTENSITY EXERCISE IN FEMALES
Kaviani, M. et al [Canada]

17:00 - 18:30
OP-PM40-2
THE INFLUENCE OF ‘SLEEP-LOW’ CARBOHYDRATE PERIODISATION ON IRON REGULATION AND IMMUNE FUNCTION IN ELITE TRIATHLETES
McKay, A. et al [Australia]

17:15 - 18:45
OP-PM40-3
PRE-MATCH MUSCLE GYCOGEN LEVELS OF THREE MATCHES IN 1 WEEK BASED ON HIGH CARBOHYDRATE INTAKE
Nakamura, D. et al [Japan]

17:30 - 18:45
OP-PM40-4
EFFECTS OF VOLUNTARY EXERCISE ON PLASMA AND URINARY METABOLITES AND GUT MICROBIOTA IN A HIGH-FAT-DET FED MICE
Oyanagi, E. et al [Japan]

17:45 - 18:45
OP-PM40-5
ISOCALORIES AND ENJOYMENT OF MODERN ENTRAINMENT MODALITIES (HIIT VS. SIT VS. THRESHOLD VS. U.TI IN FIT AND LIMITED 50gGlucose T. et al [Australia]

17:15 - 18:45
OP-PM45
South Hall 1B

Nutrition: Protein and dietary regimens

Chair(s):
Rowlands, D. [New Zealand]
Patricia, D. [Canada]

16:45 - 18:15
OP-PM45-1
BODY COMPOSITION AND NUTRIENT INTAKE OF OLYMPIC AND ELITE RHYTHMIC GYMNASTS
Kolimchikov, S. et al [United Kingdom]

17:00 - 18:30
OP-PM45-2
EFFECTS OF 4- HOUR TIME RESTRICTED FEEDING ON BODY COMPOSITION AND PERFORMANCE
Wachsmuth, N. et al [Germany]

17:45 - 18:45
OP-PM45-3
PROTEIN SUPPLEMENTATION DOES NOT FURTHER ALIGNMENT ENDURANCE CAPACITY AND PERFORMANCE FOLLOWING PROLONGED ENDURANCE EXERCISE TRAINING: A RANDOMIZED CONTROLLED TRIAL
Kunst, K.L. et al [Netherlands]

18:00 - 18:15
OP-PM45-4
EFFECTS OF POST-EXERCISE WHEY PROTEIN OR CARBOHYDRATE CONSUMPTION ON PERFORMANCE RECOVERY AND INFLAMMATORY CYTKINES IN YOUNG COMPETITIVE SWIMMERS
McKinley, B.J. et al [Canada]

17:15 - 18:45
OP-PM52
South Hall 2A

Health and fitness: Cardiovascular

Chair(s):
Donath, L. et al [Germany]

16:45 - 18:15
OP-PM52-1
EFFECTS OF SPRINT INTERVAL TRAINING ON EXERCISE MOTIVATION AND AFFECTIVE RESPONSES IN PATIENTS WITH MAJOR DEPRESSIVE DISORDERS: A RANDOMIZED CONTROLLED TRIAL
Donath, L. et al [Germany]

17:30 - 18:15
OP-PM52-2
EFFECTS OF ADULTS.
FITNESS AND NAFLD IN OVERWEIGHT AND OBESE ADULTS.
FOR SLEEP-LOW CARBOHYDRATE PERIODISATION ON IRON REGULATION AND IMMUNE FUNCTION IN ELITE TRA

16:45 - 18:15
OP-PM52-3
THE EFFECTS OF EXERCISE ON THE SYMPTOMS OF PERIPHERAL NEUROPATHIES – A META-ANALYSIS
Streckmann, F. et al [Germany]

17:00 - 18:15
OP-PM52-4
THE ASSOCIATION BETWEEN CARDIORESPIRATORY FITNESS, AND PHYSICAL ACTIVITY PROGRAM IN HEALTHY YOUNG ADULTS.
Rudnik, S. et al [Germany]

17:30 - 18:15
OP-PM52-5
THE EFFECTS OF EXERCISE ON THE SYMPTOMS OF PERIPHERAL NEUROPATHIES – A META-ANALYSIS
Streckmann, F. et al [Germany]

17:00 - 18:15
OP-PM52-1
THE EFFECTS OF EXERCISE ON THE SYMPTOMS OF PERIPHERAL NEUROPATHIES – A META-ANALYSIS
Streckmann, F. et al [Germany]

17:30 - 18:15
OP-PM52-2
THE EFFECTS OF EXERCISE ON THE SYMPTOMS OF PERIPHERAL NEUROPATHIES – A META-ANALYSIS
Streckmann, F. et al [Germany]

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THE EFFECTS OF EXERCISE ON THE SYMPTOMS OF PERIPHERAL NEUROPATHIES – A META-ANALYSIS
Streckmann, F. et al [Germany]

17:30 - 18:15
OP-PM52-4
THE EFFECTS OF EXERCISE ON THE SYMPTOMS OF PERIPHERAL NEUROPATHIES – A META-ANALYSIS
Streckmann, F. et al [Germany]
OP-MI13

**North Hall**

**Middle - Long distance running**

**Chair(s):**

Dereve, W. [Belgium]

Dufour, S. [France]

**Presentations**

**17:00 OP-MI13-1**

**ANALYSIS OF ACUTE-CHRONIC WORKLOAD RATIOS IN POPULAR MARATHON TRAINING PROGRAMS**

Ferlic, M. et al [United States]

**17:15 OP-MI13-2**

**EFFECT OF TWO DIFFERENT RETRAINING PROGRAMS ONpopular long-distance runners in terms of postural balance**

Molina-Molina, A. et al [Spain]

**17:30 OP-MI13-3**

**ALTERATIONS IN TRAINING VOLUME AFFECT SKELETAL MUSCLE OXIDATIVE CAPACITY IN TRAINED MIDDLE-DISTANCE RUNNERS**

Bellinger, P. et al [Australia]

**17:45 OP-MI13-4**

**UPHILL RUNNING GAIT VARIABILITY**

Padulo, J. et al [Croatia]

**18:00 OP-MI13-5**

**DIFFERENT PHYSIOPHYSIOLOGICAL RESPONSES TO A HIGH-INTENSITY REPETITION SESSION PERFORMED ALONE OR IN A GROUP BY ELITE MIDDLE-DISTANCE RUNNERS**

Casado, A. et al [Spain]
A SINGLE-BLIND RANDOMIZED CONTROLLED TRIAL Schöler, R. et al (Germany) 19:15 OP-PM56-4
PSYCHO-PHYSIOLOGICAL RESPONSES TO PERCEPTUALLY-REGULATED INTERVAL RUNS IN HYPOXIA AND NORMOXIA Hobbins, L. et al (United Kingdom) IS-BN06
Club F
OP-PM53
Terrace 2A
Terrace 2B
Saturday, July 6, 2019

**Op-Pm42**

Panorama Hall

Nutrition: Other supplements

**Chair(s):**
Basset, F. [Canada]
Shannon, O. [United Kingdom]

**08:00** OP-PM42-1

The effects of caffeine supplementation on subsequent sleep quality in sub-elite rugby league players

Dascrobe, B.J. et al [Australia]

**08:15** OP-PM42-2

Sodium citrate ingestion protocol impacts induced alkalosis, gastrointestinal symptoms and palatability

Unwin, C.S. et al [Australia]

**08:30** OP-PM42-3

The use of dietary supplements among elite female soccer players: a survey of current practices

Abreu, R. et al [Portugal]

**08:45** OP-PM42-4

BelT on Alps: Effects of dietary nitrate supplementation on skeletal muscle fractional O2 extraction during submaximal exercise in hypobaric hypoxia

Rosica, L. et al [Italy]

**09:00** OP-PM42-5

Catechin-rich green tea intake reduces exercise-induced blood pressure elevation and enhances executive function

Tsukamoto, H. et al [Japan]

**09:15** OP-PM42-6

Effects of salvia miltiorrhiza extract supplementation on cardiac biomarkers after high intensity interval exercise

Fang, C.C. et al [Taiwan]

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**Is-Ex03**

South Hall 1a

CSSS-ECCS Exchange symposium: Support system for elite athletes and public health

**Chair(s):**
Zhang, L. [China]
Tian, Y. [China]

**08:30** IS-Ex03-1

The experimental studies on the latest reforms for table tennis

Xiao, D. [China]

**08:45** IS-Ex03-2

The effects of exercise, dietary restriction and hypoxia on blood lipids in obese people

Zhang, L. [China]

**09:00** IS-Ex03-3

The effects of exercise and hypoxia on insulin sensitivity

Dela, F. [Denmark]

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**Op-Pm48**

South Hall 1b

Cardiovascular physiology III

**Chair(s):**
Hamlin, M. [New Zealand]

**08:00** OP-PM48-1

Characterising cerebral haemodynamic oscillations during running

Imi, G. et al [United Kingdom]

**08:15** OP-PM48-2

Vagal-related heart rate variability, but not its co-efficient of variation, indicates impaired exercise performance during functional overreaching

Bellinger, C. [Australia]

**08:30** OP-PM48-3

Cardiorespiratory response of paracedics to workload in day and night shifts

Fenger, A. et al [Germany]

**08:45** OP-PM48-4

Acute effects of high-intensity interval training (HIIT) vs. moderate intensity continuous training (MCT) on arterial stiffness and wave reflection in young obese women

Lopes, W.A. et al [Brazil]

**09:00** OP-PM48-5

Cardiovascular physiology following repeated maximal exercise in myalgic encephalomyelitis

Hodges, L. [New Zealand]

**09:15** OP-PM48-6

Effects of isometric resistance training and detraining on ambulatory blood pressure and morning blood pressure surge in young normotensives

Baross, A.W. et al [United Kingdom]

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**Op-Bn27**

South Hall 2a

Neuromuscular fatigue II

**Chair(s):**
Nosaka, K. [Australia]
Krug, J. [Germany]

**08:00** OP-BN27-1

Interaction between upper body kinematics and power production during ballistic medicine ball throws

Sayers, M. [Australia]

**08:15** OP-BN27-2

Assessment of force-velocity profile in elite female handball players

Petridis, L. et al [Hungary]

**08:30** OP-BN27-3

Tuning muscle coordination patterns with learning the power clean

Benio, K. et al [Japan]

**08:45** OP-BN27-4

Association between countermovement jump-derived markers of neuromuscular status and strength gain with concurrent training

Fyfe, J.J. et al [Australia]

**09:00** OP-BN27-5

Rest redistribution attenuates velocity and power loss in back squats performed by women

Merigian, J.J. et al [United States]
Oral & Invited Presentations

09:15  OP-MI15-6  EFFECT OF DIFFERENT TYPES OF LOADS ON THE FORCE-VELOCITY RELATIONSHIP OBTAINED DURING THE BENCH PRESS THROW EXERCISE
Nedeljković, A. et al [Serbia]

OP-BN28
North Hall
Jumping and squatting
Chair(s):
Eils, E. [Germany]
Baltzopoulos, B. [United Kingdom]
08:00  OP-BN28-1  KNEE JOINT MOMENTS IN ELITE HIGH JUMPERS
Goldmann, J. P. et al [Germany]

08:15  OP-BN28-2  STRETCH-SHORTENING CYCLE IN ROWING
Held, S. et al [Germany]

08:30  OP-BN28-3  THE EFFECTS OF CLUSTER-SET AND TRADITIONAL-SET PAP PROTOCOLS ON VERTICAL JUMP PERFORMANCE
Dello Iacono, A. et al [United Kingdom]

08:45  OP-BN28-4  TRICEPS SURAE MUSCLE-TENDON UNIT PROPERTIES IN PREADOLESCENT CHILDREN: EFFECTS OF ATHLETIC TRAINING
Pendidis, N. et al [Germany]

09:00  OP-BN28-5  ARE THERE DIFFERENCES IN JUMP HEIGHT AND MUSCLE ACTIVATION PATTERN ACROSS SAND AND RIGID SURFACE SPECIFIC ATHLETES?
Brodatzki, Y. et al [Germany]

09:15  OP-BN28-6  JUMP PERFORMANCE MEASUREMENTS ON RIGID AND SAND SURFACES IN A STANDARDIZED LABORATORY SETTING – USING MARKER-BASED INFORMATION TO DETECT GROUND CONTACT TIMES
Eils, E. et al [Germany]

OP-BN29  
Club A
Motor learning and motor control: Children
Chair(s):
Franco, E. [Spain]
08:00  OP-BN29-1  THE ASSOCIATION BETWEEN SELF-PERCEIVED AND ACTUAL MOTOR COMPETENCE IN DRYLAND VS AQUATIC ENVIRONMENTS
Pratt, N. [United Kingdom]

08:15  OP-BN29-2  A COMPARISON OF MOTOR PERFORMANCE BETWEEN GERMAN AND CHINESE 7- TO 8-YEAR-OLD CHILDREN
Yin, X.F. et al [China]

08:30  OP-BN29-3  MOTOR COMPETENCE IN SCHOOL CHILDREN IS CORRELATED WITH LEISURE TIME BUT NOT PE-CLASS ACTIVITY LEVELS
Krüger-Hombergen, M. et al [Netherlands]

08:45  OP-BN29-4  NEW INSIGHT ON MOTOR BEHAVIOUR UNDERLYING FITNESS AND GRAPHIC-MOTOR, FINE, AND CROSS CORRELATED SKILLS IN SCHOOL CHILDREN
Bondi, D. et al [Italy]

09:00  OP-BN29-5  THE INFLUENCE OF SEX ON LEARNING A DYNAMIC BALANCE TASK IN PRIMARY SCHOOL-AGED CHILDREN
Schedler, S. et al [Germany]

OP-PM58  
Club E
Endurance: Winter sports
Chair(s):
Lamberts, R. [South Africa]
Linnamo, V. [Finland]
08:00  OP-PM58-1  TRAINING CHARACTERISTICS OF HIGHLY-TRAINED CROSS-COUNTRY SKIERS THROUGHOUT THE TRANSITION FROM JUNIOR TO SENIOR LEVEL
Karlsson, Ø. et al [Sweden]

08:15  OP-PM58-2  THE IMPORTANCE OF PACING BEHAVIOR FOR CURRENT AND FUTURE PERFORMANCE IN JUNIOR ELITE SPEED SKATING
Stoter, I.K. et al [Netherlands]

08:30  OP-PM58-3  DEVELOPMENT OF 1500-M PACING BEHAVIOUR IN ELITE YOUTH SHORT-TRACK SPEED SKATERS: A LONGITUDINAL STUDY
Menting, S.G.P. et al [United Kingdom]

08:45  OP-PM58-4  RIFLE CARRIAGE DECREASES SPEED AT LACTATE THRESHOLD, ANAEROBIC ENERGY CONTRIBUTION AND PERFORMANCE IN BIATHLON SKIING
Jonsson Kårström, M. et al [Sweden]

09:00  OP-PM58-5  A COMPARISON BETWEEN DIFFERENT ESTIMATES OF ANAEROBIC ENERGY PRODUCTION DURING SUPERMAXIMAL ROLLER-SKING EMPLOYING THE DOUBLE POULING AND DIAGONAL STRIDE SUB-TECHNIQUES
Andersson, E.P. et al [Sweden]

09:15  OP-PM58-6  EXTERNAL COMPRESSION TROUSERS SLIGHTLY IMPROVE SYSTEMIC HAEMODYNAMICS DURING CYCLING IN ENDURANCE-TRAINED AND UN-TRAINED MALES
Colfer, J.D. et al [New Zealand]

OP-PM71  
Club H
Injury prevention III
Chair(s):
Patricia, D. [Canada]
08:00  OP-PM71-1  INVESTIGATION OF CUMULATIVE SPORT RELATED CONCUSSIONS ON COGNITIVE PERFORMANCE AND HEMODYNAMIC RESPONSE
Coenen, J. et al [Canada]

08:15  OP-PM71-2  GOALKEEPER INJURIES IN AN ELITE FOOTBALL CLUB: A DIFFERENT PATTERN COMPARED TO FIELD PLAYERS
Larruskin, J. et al [Spain]

08:30  OP-PM71-3  ASYMMETRY OF THE INTERNAL OBLIQUE IN ADOLESCENT TENNIS PLAYERS WITH FEMOROACETABULAR IMPINGEMENT: A VOLUMETRIC MRI STUDY
Kux, J. et al [Germany]

08:45  OP-PM71-4  THE ASSOCIATIONS OF RS1107946 POLYMORPHISM IN THE COL1A1 WITH FATIGUE-FRACTURE AND IMPINGEMENT: A VOLUMETRIC MRI STUDY
Miyamoto-Mikami, E. et al [Japan]

09:00  OP-PM71-5  PRE-SEASON HIP/GROIN STRENGTH AND HAGOS SCORES ARE ASSOCIATED WITH PROSPECTIVE INJURY IN PROFESSIONAL FOOTBALL PLAYERS
Bourne, M. et al [Australia]

09:15  OP-PM71-6  INJURY EPIDEMIOLOGY AND IMPACT OF INJURIES IN THE HYUNDAI A-LEAGUE
Karlsson, Ø. et al [Sweden]

IS-MI05
Terrace 2A
Consumer digital technologies for health and sports performance
Chair(s):
Abt, G. [United Kingdom]
08:00  IS-MI05-1  CONSUMER DIGITAL TECHNOLOGIES FOR HEALTH AND SPORT: GLOBAL AND FUTURE TRENDS
Abt, G. [United Kingdom]

08:30  IS-MI05-2  WEARABLE TECHNOLOGY FOR HEALTH
Benson, A. [Australia]

09:00  IS-MI05-3  CONSUMER DIGITAL TECHNOLOGIES FOR SPORTS PERFORMANCE MEASUREMENT
Balsalobre-Fernández, C. [Spain]

IS-SH08
Terrace 2B
‘Sport’ - Public health or public harm?
Chair(s):
Mansfield, L. [United Kingdom]
08:00  IS-SH08-1  IS SPORT BAD FOR OUR PUBLIC HEALTH?
Weed, M. [United Kingdom]

08:30  IS-SH08-2  IS SPORT POLICY BAD FOR PUBLIC HEALTH?
Kay, T. [United Kingdom]

09:00  IS-SH08-3  THE ROLE OF VOLUNTARY SPORTS ORGANISATIONS IN DELIVERING PHYSICAL ACTIVITY ON PRESCRIPTION (PAOP) – THE CASE OF SWEDEN
Aggestål, A. [Sweden]

24th Annual Congress of the European College of Sport Science
Saturday, July 6, 2019

09:45 - 11:15

Congress Hall

Cardiac, vascular and cerebrovascular adaptation to hypoxia at rest and during exercise; lessons from high altitude natives

Chair(s):

Stembridge, M. [United Kingdom]
Cogo, A. [Italy]

09:45
IS-PM12-1
CARDIAC STRUCTURE, ABSOLUTE BLOOD VOLUME AND EXERCISE CAPACITY IN HIGH ALTITUDE NATIVES
Stembridge, M. [United Kingdom]
10:15
IS-PM12-2
THE RELATIONSHIP BETWEEN VASCULAR DYSFUNCTION, HIGH ALTITUDE AND OCCUPATIONAL PHYSICAL ACTIVITY IN SNOW MOUNTAINEERS
Pratoli, L. [Italy]
10:45
IS-PM12-3
CEREBRAL OXYGEN DELIVERY AND METABOLISM AT REST AND DURING EXERCISE IN ACCLIMATISED LOWLANDERS AND HIGH ALTITUDE NATIVES
Ainslie, P. [Canada]

Panorama Hall

The neuroscience and interpretation of placebo effects in sports and exercise

Chair(s):

Roelands, B. [Belgium]

09:45
IS-MI01-1
THE NEUROBIOLOGY OF THE PLACEBO EFFECT
Benedetti, F. [Italy]
10:15
IS-MI01-2
POTENTIAL MECHANISMS OF PLACEBO AND NO-COEBO EFFECTS IN SPORT AND EXERCISE
Beedie, C. [United Kingdom]
10:45
IS-MI01-3
THE ROLE AND IMPACT OF THE PLACEBO EFFECT IN SPORT PERFORMANCE AND COMPETITION
Hettinga, F. [United Kingdom]

South Hall 1B

Training and testing: Endurance

Chair(s):

Gabrys, T. [Czech Republic]
Skorski, S. [Germany]

09:45
OP-PM57-1
INTEGRATING POST-EXERCISE SAUNA BATHING INTO THE TRAINING PROGRAM OF MIDDLE-DISTANCE RUNNERS ENHANCES TEMPERATE EXERCISE PERFORMANCE
Kirby, N. et al [United Kingdom]
10:00
OP-PM57-2
BREATHE-VERSUS TIME-AVERAGING STRATEGIES FOR VO2MAX ASSESSMENT: MATHEMATICAL MODELING AND RELIABILITY
Martin-Rincón, M. et al [Spain]
10:15
OP-PM57-3
CAN THE SELF-PACED, CYCLE-BASED MAXIMAL OXYGEN UPTAKE TEST PRODUCE HIGHER VO2MAX VALUES THAN STANDARD GRADED EXERCISE TEST PROTOCOL?
Struik, I. et al [Czech Republic]
10:30
OP-PM57-4
RELATIONSHIP BETWEEN RUNNING PERFORMANCE AND ENERGY METABOLIC CAPACITIES IN MIDDLE-DISTANCE RUNNERS
Mitsuka, T. et al [Japan]
10:45
OP-PM57-5
PACING STRATEGY DETERMINANTS DURING A RUN LEG OF SIMULATED OLYMPIC-DISTANCE TRIATHLON: RELATIONSHIP BETWEEN PACING INDEX AND CLASSIC PHYSIOLOGICAL VARIABLES
Aoyagi, A. et al [Japan]
11:00
OP-PM57-6
INFLUENCE OF MENSTRUAL CYCLE AND ORAL CONTRACEPTIVES ON RATING OF PERCEIVED EXERTION THROUGHOUT AN ENDURANCE EXERCISE IN FEMALE ATHLETES
Barba-Moreno, L. et al [Spain]

South Hall 2A

Running

Chair(s):

Placentini, M. [Italy]
Nicol, C. [France]

09:45
OP-MI16-1
ANALYSIS OF THE PHYSIOLOGICAL COMPETITION ZONES IN A MOUNTAIN MARATHON RACE REGARDING HEART RATE AND RACE SPEED, AND NUTRITIONAL APPLICATIONS
Ruiz de Areatxabalde, X. et al [Spain]
10:00
OP-MI16-2
DOSE-RESPONSE EFFECTS OF WEIGHTED VEST RUNNING ON RUNNING ECONOMY
Kilding, A.E. et al [New Zealand]
10:15
OP-MI16-3
PHYSIOLOGICAL FACTORS RELATED TO UPHILL VS. DOWNHILL RUNNING TIME-TRIAL PERFORMANCE
Lemire, M. et al [France]
10:30
OP-MI16-4
RUNNING ECONOMY AND HEART RATE ARE SIMILAR AT MATCHED RPE ON A TREADMILL AND OVERGROUND
Buckley, J.D. et al [Australia]
10:45
OP-MI16-5
EFFECTS OF CARBOHYDRATE INTAKE DURING A 1-H HEAVY INENSITY CYCLING EXERCISE ON SUBSEQUENT RUNNING ECONOMY – A SINGLE-BLIND STUDY
Triska, C. et al [Austria]

South Hall 2B

Physiology: Muscle metabolism

Chair(s):

Derwe, W. [Belgium]
Kitakoa, Y. [Japan]

09:45
OP-PM66-1
MUSCLE METABOLITES AFTER A SOCCER GAME IN FEMALE ATHLETES: IMPLICATIONS FOR SPRINT PERFORMANCE
Ermidis, G. et al [Greece]
10:00
OP-PM66-2
PERIPHERAL ADAPTATIONS TO ENDURANCE TRAINING IMPROVES OXYGEN DELIVERY AND OXYGEN EXTRACTION – THE EFFECT OF ONE-LEGGED TRAINING
Skattebo, Ø. et al [Norway]
10:15
OP-PM66-3
AN ACUTE BOUT OF EXERCISE DOWNREGULATES THIOREDOXIN-INTERACTING PROTEIN (TXNIP) EXPRESSION IN RAT SKELETAL MUSCLE
Ra, S.G. et al [Japan]
10:30
OP-PM66-4
EFFECTS OF DIET CHANGE AND LADDER CLIMBING EXERCISE ON HYPERTROPHY AND AUTOPHAGY OF CARDIAC MUSCLE IN HIGH-TAT INDUCED OBESE RATS
Kim, K. et al [Korea, South]

North Hall

Team sports II

Chair(s):

Spencer, M. [Norway]
Póvoas, S. [Portugal]

09:45
OP-MI18-1
SPECIFIC PHYSICAL PERFORMANCE IN WORLD CLASS, TOP-ELITE AND ELITE FEMALE TEAM HAND-BALL PLAYERS
Wagner, H. et al [Austria]
10:00
OP-MI18-2
MATCH-PLAY ACTIVITY PROFILE OF MALE AUSTRIAN LACROSSE PLAYERS
Hauër, R. et al [Austria]
10:15
OP-MI18-3
RELATIONSHIP BETWEEN INTERNAL AND EXTERNAL TRAINING VARIABLES IN AN ELITE NETBALL TEAM
Simson, M. et al [Australia]
10:30
OP-MI18-4
PHYSICAL DEMANDS IN TEAM-HANDBALL – DIFFERENCES BETWEEN PLAYING LEVEL
Luleberget, L. et al [Norway]
10:45
OP-MI18-5
GLOBAL MOTION VISUALISATION FOR DETECTION OF DECEPTIVE MOTION IN RUGBY
Lynch, S.D. et al [France]
11:00
OP-MI18-6
SPIN KINETICS IN SPORTS WITH REPETITIVE OVERHEAD ACTIVITIES
Fett, D. et al [Germany]
OP-BN30

Club H

Injury prevention
Chair(s):
Dixon, S. [United Kingdom]
Baltzopoulos, B. [United Kingdom]

09:15 OP-BN30-1
ACTIVE & SAFE CENTRAL: AN ON-LINE PLATFORM AND RESOURCE FOR THE PREVENTION OF INJURY IN SPORT AND RECREATIONAL ACTIVITY
Pike, I. et al [Canada]

10:00 OP-BN30-2
POSTURAL DYNAMICS OF ATRESTED FEMALES WITH EXCESSIVE MEDIAL KNEE DISPLACEMENT DURING SINGLE-LEG LANDING
VAZ, J.R. et al [Portugal]

10:15 OP-BN30-3
NEURODYNAMIC SLIDERS PROMOTE FLEXIBILITY IN YOUNG PEOPLE WITH A GOOD PHYSICAL CONDITION
Iturriaga, T. et al [Spain]

10:45 OP-BN30-4
CHARACTERISTICS OF KNEE VALGUS MOTION ARE DIFFERENT BETWEEN LANDING AND SIDESTEP CUTTING TASKS IN FEMALE SOCCER PLAYERS
Ito, W. et al [Japan]

10:45 OP-BN30-5
EVALUATION OF AN ERGONOMIC PREVENTION PROGRAM TO REDUCE MUSCULOSKELETAL DISORDERS IN GERIATRIC CAREGIVERS
Otto, A.K. et al [Germany]

11:00 OP-BN30-6
A PROSPECTIVE INVESTIGATION OF THE ASSOCIATION BETWEEN ISOMETRIC MUSCLE STRENGTH AND RUNNING RELATED INJURY AMONG NOVICE AND RECREATIONAL RUNNERS
Dillon, S. et al [Ireland]

OP-PM65

Club H

Mixed sports
Chair(s):
Anderson, E [United Kingdom]
Heazlewood, I. [Australia]

09:45 OP-PM65-1
LONG TERM EFFECTS OF MULTIPLE CONCLUSIONS ON NEUROVASCULAR COUPLING IN RETIRED CONTACT SPORT ATHLETES
Sirant, L.W. et al [Canada]

10:00 OP-PM65-2
REPEATED-SPIRT TRAINING IN HYPOXIA IN ELITE FEMALE RUGBY SEVENS
Brockenier, F. et al [France]

10:15 OP-PM65-3
NEWCOMB BALL TRAINING EFFECT ON THE PHYSICAL FITNESS OF WOMEN AT MIDLIFE
Tunik, S. [Israel]

10:30 OP-PM65-4
A COMPARISON OF WORKLOADS PLACED ON FIELDERS, BOWLERS AND BATTERS IN A TEAM COMPETING IN THE 2018 INDIAN PREMIER LEAGUE SEASON
Christie, C.J. et al [South Africa]

OP-PM68

Terrace 2A

Health and fitness: Brain, mental and mixed
Chair(s):
Araujo, D. [Portugal]
Mello, M. [Brazil]

09:45 OP-PM68-1
TRAVEL FATIGUE AND SLEEP/WAKE BEHAVIOURS OF PROFESSIONAL SOCCER PLAYERS DURING INTERNATIONAL COMPETITION
Lastella, M. et al [Australia]

10:00 OP-PM68-2
ARE COGNITIVE SKILLS IN YOUNG ADULTS AFFECTED BY A Bout OF SUB-MAXIMAL AEROBIC EXERCISE?
Pilz-Burstein, R. et al [Israel]

10:15 OP-PM68-3
ADAPTATION VARIATION BETWEEN DOMINANT AND NON-DOMINANT UPPER LIMBS FOLLOWING SHORT-TERM STRENGTH TRAINING
Rowe, G. et al [Australia]

10:30 OP-PM68-4
EFFECTS OF ACUTE MAXIMAL AND SUBMAXIMAL EXERCISE ON EXECUTIVE FUNCTION: A COMPARISON BETWEEN ARM AND LEG CYCLING
Hill, M. et al [United Kingdom]

OP-PM70

Terrace 2B

Physical activity / inactivity II
Chair(s):
Song, W. [Korea, South]
Breen, L. [United Kingdom]

09:45 OP-PM70-1
16 WEEKS INCREASING STEPPING TIME SHIFTS INNATE IMMUNE FUNCTION TOWARDS A LESS PRO-INFLAMMATORY STATUS
Hartman, Y. et al [Netherlands]

10:00 OP-PM70-2
CHANGES IN PHYSICAL ACTIVITY LEVEL OVER 11 YEARS AND MORTALITY RISK: THE HUNT STUDY
Moholdt, T. et al [Norway]

10:15 OP-PM70-3
SAFETY AND FEASIBILITY OF EXERCISE FOR WOMEN WITH BREAST CANCER AND HIGH DISEASE BURDEN – THE SAFE TRIAL
Sandler, C.X. et al [Australia]

10:30 OP-PM70-4
EFFECTS OF 6-MONTH RESISTANCE TRAINING ON QUALITY OF LIFE IN PANCREATIC CANCER PATIENTS: A RANDOMIZED CONTROLLED TRIAL
Lastella, M. et al [Australia]

10:45 OP-PM70-5
PHYSICAL ACTIVITY REDUCES CHEMOTHERAPY-RELATED METABOLIC TOXICITY IN PATIENTS WITH TESCELLAR GERM CELL TUMOR
Krupposite, P. et al [Slovakia]

Saturday, July 6
11:30 - 13:00

IS-PM13

Congress Hall

Dietary nitrate and hypoxia
Chair(s):
Porcelli, S. [Italy]

11:30 IS-PM13-1
DIETARY NITRATE SUPPLEMENTATION IN HYPOXIA: SKELETAL MUSCLE OXYGENATION AND ENERGETICS
Vanhatalo, A. [United Kingdom]

12:00 IS-PM13-2
DIETARY NITRATE SUPPLEMENTATION IN HYPOXIA: EFFECTS ON COGNITIVE FUNCTION AND ACUTE MOUNTAIN SICKNESS
Shannon, O.M. [United Kingdom]

12:30 IS-PM13-3
EFFECTS OF DIETARY NITRATE IN EXERCISE PERFORMANCE IN CHRONIC HYPOXIA
Porcelli, S. [Italy]

OP-PM60

Panorama Hall

Thermoregulation II
Chair(s):
Minahan, C. [Australia]
Esser, K. [United States]

11:30 OP-PM60-1
EVIDENCE OF RE-ACTIVATION OF 4-MONTH ACCLIMATIZATION MORE THAN 6 MONTHS LATER
Malgoyre, A. et al [France]

11:45 OP-PM60-2
VOLUNTARY HYDRATION STATUS IS MAINTAINED DURING A 5-DAY HEAT ACCLIMATION PROGRAM IMPROVING HEAT STRESS INDICATORS AND MAIN-
South Hall 1B

**Molecular biology and biochemistry: Metabolomics - Proteomics**

**Chair(s):**
- Wessner, B. [Austria]
- Rück, M. [Switzerland]

**South Hall 1B**

**Molecular biology and biochemistry: Metabolomics - Proteomics**

**Chair(s):**
- Wessner, B. [Austria]
- Rück, M. [Switzerland]

** Subjects with obesity have differences in erythrocyte fatty acid composition at baseline and following exercise and feeding when compared to lean subjects of identical fitness level.**

- Johannisse, D.R. et al [Canada]
- JOANANNE,
- JOAN

**11:30 OP-PM61-1**

**DOES SELF-CHOSEN WALKING SPEED REFLECT MODERATE INTENSITY PHYSICAL ACTIVITY IN CHILDREN?**

- Haapala, E.A, Gao, Y. et al [Finland]

**11:45 OP-PM61-2**

**WHEN SHOULD WE START TESTING CHILDREN FOR AEROBIC FITNESS? A LESSON LEARNED FROM HOMOLOGICAL STUDY.**

- Mamra, A. et al [Norway]

**12:00 OP-PM61-3**

**IS DYSFUNCTIONAL MOVEMENT RELATED TO OVERWEIGHT IN URBAN ADOLESCENTS?**

- Karuc, J. et al [Croatia]

**12:15 OP-PM61-4**

**MAXIMAL VOLUNTARY CONTRACTION AND FORCE SUSTAINABILITY OF MORE THAN 8000 SUBJECTS IN TRANSITION FROM CHILDHOOD TO EARLY ADULTHOOD.**

- Sievert, A. [Germany]

**OP-PM62**

**South Hall 1B**

**Molecular biology and biochemistry: Metabolomics - Proteomics**

**Chair(s):**
- Wessner, B. [Austria]
- Rück, M. [Switzerland]

**Marathon-induced alterations in the human serum metabolome.**

- Stander, Z. et al [South Africa]
- ZINER, ZIN

**11:45 OP-PM62-1**

**SUBJECTS WITH OBESITY HAVE DIFFERENCES IN ERYTHROCYTE FATTY ACID COMPOSITION AT BASELINE AND FOLLOWING EXERCISE AND FEEDING WHEN COMPARED TO LEAN SUBJECTS OF IDENTICAL FITNESS LEVEL.**

- Johannisse, D.R. et al [Canada]
- JOANANNE,
- JOAN

**12:00 OP-PM61-3**

**SIX-MONTH PHYSIOTHERAPY-EXERCISE INTERVENTION IN PATIENTS WITH DIABETIC INFLAMMATORY MYOPATHY IMPROVES FATTY ACID OXIDATION IN PRIMARY MUSCLE CELLS IN VITRO.**

- Nemec, M. et al [Slovakia]
- NEMEC, M

**12:15 OP-PM62-4**

**THE EFFECT OF B-ALANINE SUPPLEMENTATION ON CARNOSINE AND HISTIDINE CONTENT IN THE HIP-TISSUE OF 14-MONTH OLD RATS.**

- Hoffman, J. et al [United States]

**12:30 OP-PM62-5**

**ANALYSIS OF THE MITOCHONDRIAL PROTEOME FROM HUMAN SKELETAL MUSCLE IN RESPONSE TO ENDURANCE TRAINING REVEALS VOLUME-DEPENDENT REMODELLING.**

- Bishop, D.J. et al [Australia]

**12:45 OP-PM62-6**

**EFFECTS OF DIFFERENT EXERCISE MODES ON THE PROTEIN EXPRESSION OF BMP-4/BMP-7 AND THERMOGENENESIS RELATED PROTEINS IN ADIPOSE TISSUE OF OBSESE RATS.**

- Yan, Y. [China]
### Oral & Invited Presentations

#### 50th 24th Annual Congress of the European College of Sport Science

#### 11:45 - OP-BN31-2
**THE EFFECTS OF STRETCHING RATE ON PLANTAR FLEXOR NEUROMECHANICAL PROPERTIES AND MAXIMUM ANGLE RANGE OF MOTION**
Pinto, M.D. et al [Australia]

#### 12:00 - OP-BN31-3
**ACUTE STATIC STRETCHING DOES NOT ALTER BALANCE CONTROL ABILITY: THE ROLE OF NEUROMUSCULAR ACTIVATION**
Shokohyar, S. et al [Italy]

#### 12:15 - OP-BN31-4
**WHAT MAKES LONG-TERM RESISTANCE-TRAINED INDIVIDUALS SO STRONG? A COMPARISON OF SKELETAL MUSCLE MORPHOLOGY, ARCHITECTURE, AND JOINT MECHANICS**
Maden-Wilkinson, T. et al [United Kingdom]

#### 12:30 - OP-BN31-5
**DIFFERENCE IN ENERGY GAIN AND TAKE-OFF PARAMETERS ACCORDING TO SEX AND LEVEL OF EXPERTISE IN THE POLE VAULT**
Frère, J. et al [France]

#### 12:45 - OP-BN31-6
**INTER-SESSION RELIABILITY OF SAGITTAL PLANE HIP PROPRIOCEPTION MEASUREMENT IN HEALTHY YOUNG ADULTS**
Steingrube, H. et al [Germany]

#### 12:00 - OP-BN31-2
**THE EFFECT OF LATERAL WIND ON THE FLIGHT STABILITY IN SKI JUMPING**
HU, Q. et al [China]

#### 12:15 - OP-BN31-3
**MULTIVARIATE REGRESSION MODELING OF CHINESE ARTISTIC GYMNASTIC HANDSPRING VAULTING KINEMATIC PERFORMANCE AND JUDGES SCORES**
he, w. [China]

#### 12:30 - OP-BN31-4
**SPECTRAL ALTERATIONS OF LOWER LIMB EMG SIGNAL DURING A 4-KM TRACK CYCLING TIME TRIAL IN HIGH-LEVEL FEMALE CYCLISTS**
Bideau, N. et al [France]

#### 12:45 - OP-BN31-5
**A COMPARISON OF VASTUS MEDIALIS, VASTUS LATERALIS, BICEPS FEMORIS, AND LATERAL GASTROCNEMIUS ELECTROMYOGRAPHIC ACTIVITY BETWEEN SEXES DURING A JUMP LANDING**
Pantano, K. [United States]

#### 11:45 - OP-PM67-2
**THE INTRINSIC MUSCLE CLOCK AND MUSCULO-SKELETAL HEALTH**
Esser, K. [United States]

#### 12:00 - OP-PM67-3
**EXERCISE ADHERENCE AND PSYCHOLOGICAL NEEDS SATISFACTION IN THE PHYSICAL ACTIVITY AND ASTHMA IN YOUTH (PLAY) INTERVENTION**
Westergren, T. et al [Norway]

#### 12:15 - OP-PM67-4
**END CRITERIA FOR REACHING MAXIMAL OXYGEN UPTAKE IN PATIENTS NEWLY DIAGNOSED WITH CANCER. BASELINE DATA FROM THE RANDOMIZED CONTROLLED TRIAL OF PHYSICAL TRAINING AND CANCER PHYS-CAN**
Bjørke, A.C.H. et al [Norway]

#### 12:30 - OP-PM67-5
**OCCURRENCE FACTORS OF HEAD BRUISES IN THROWING TECHNIQUE OF JUDO - INFLUENCE OF UNEXPECTED CONDITION ON BACKWARD BREAKFALL**
Bjørke, A.C.H. et al [Norway]

#### 11:45 - OP-PM67-1
**OVERUSE INJURIES IN SWEDISH ELITE ATHLETICS – A PROSPECTIVE COHORT STUDY**
Lundberg Zachrisson, A. et al [Sweden]

#### 12:00 - OP-PM67-2
**BASIC RESEARCH ON OCCURRENCE FACTORS OF HEAD BRUISES IN THROWING TECHNIQUE OF JUDO**
Lundberg Zachrisson, A. et al [Sweden]

#### 12:15 - OP-PM67-3
**VISUAL ANALOGUE SCALE AND BODY MASS INDEX MAY PLAY IMPORTANT ROLES FOR DETERIORATE WOMAN'S SCORES OF PREVENTIVE AGAINST KNEE OSTEOARTHRITIS IN COMMUNITY-DWELLING OLDER ADULTS**
Chen, C.H. et al [Taiwan]

#### 12:30 - OP-PM67-4
**SIX WEEKS OF ENDURANCE TRAINING MODULATE MYELOID DERIVED SUPPRESSOR CELLS (MDSC) IN GASTROINTESTINAL CANCER PATIENTS**
Pessoa, A.F.M. et al [Brazil]

#### 12:45 - OP-PM67-5
**COMPARATIVE ANALYSIS OF THE EFFECTS OF REGULAR EXERCISE ON IMMUNOREGULATORY AND COGNITIVE ABILITIES IN YOUNG AND ELDERLY ADULTS**
Balogh, L. et al [Hungary]

#### Saturday, July 6

#### 15:15 - 16:30
**PL-PS04 Congress Hall**

**The importance of circadian rythm for athletic performance and skeletal muscle health**
Mackey, A. [Denmark]

**THE INTRINSIC MUSCLE CLOCK AND MUSCULO-SKELETAL HEALTH**
Esser, K. [United States]

**CIRCADIAN CONTROL OF DIURNAL PERFORMANCE PATTERNS IN ATHLETES**
Brandstætter, R. [Austria]
CP-PM01 MOLECULAR SIGNALING RESPONSE

LECTURE ROOM: FORUM HALL (CP POSTER AREA)

Chairs:
Relic, D. [Germany]
Apro, W. [Sweden]

CP-PM01-1 [YIA]

A NETWORK-DRIVEN APPROACH TO IDENTIFYING MECHANISMS OF CONTRACTION-INDUCED MUSCLE ADAPTATION AS A FUNCTION OF AGE

Willis, C.R.G. et al [United Kingdom]

Effect of acute protein intake on muscle protein synthesis rates during 2 weeks of resistance exercise training in healthy young males

Fuchs, C.J. et al (Netherlands)

CP-PM04-9

LOW GLYCOGEN AVAILABILITY INCREASES AUTO-HAPY SINGALLING FOLLOWING RESISTANCE EXERCISE

Horvath, O. et al [Switzerland]

CP-PM04-6

EFFECT OF SCIATIC DERENATION ON MITO-CHONDRIAL STRUCTURE IN SINGLE MUSCLE FIBER

Takeda, K. [Japan]

CP-PM04-7

STRENGTH IMPROVEMENTS THROUGH OCCLUS-AL SPLINTS? THE EFFECTS OF DIFFERENT LOWER JAW POSITIONS ON MAXIMAL ISOMETRIC FORCE PRODUCTION AND PERFORMANCE IN DIFFERENT JUMPING TYPES

Onhofard, D. et al [Germany]

CP-PM04-8

EFFECTS OF ACUTE STATIC AND BALLISTIC STRETCHING EXERCISES ON MUSCLE STRENGTH AND BALANCE: A PILOT STUDY

Mani, E. et al [Cyprus]

CP-PM04-5

NEUROMUSCULAR, METABOLIC AND PERCEPTUAL RESPONSE TO CONCURRENT TRAINING

Cross, R. et al [Australia]

CP-PM04-3

THE EFFECT OF WEATHER ON IAAF AND OLYMPIC TRACK AND FIELD PERFORMANCE FROM 1983 - 2017

Guy, J.H. et al [Australia]

CP-PM04-4

EXERCISE DURATION IS AN INDEPENDENT MARKER OF WORKLOAD IN ENDURANCE TYPE CONSTANT-LOAD EXERCISE

Weiner, L. et al [Australia]

CP-PM04-1

THE UTILITY OF A SELF-PACED SUBMAXIMAL CONSTANT-LOAD TEST TO MONITOR FATIGUE IN ULTRA-MARATHON RUNNERS.

Sangan, H. et al [United Kingdom]

CP-PM04-2

SPRINT INTERVAL TRAINING VERSUS HIGH INTENSITY INTERVAL TRAINING IN UNTRAINED UNIVERSITY STUDENTS

Boer, P. [South Africa]

CP-PM04-6

GLUCOSE INFLAMMATION AND MUSCLE DAMAGE AMONG EXERTED SWimmers DURING SHORT-TERM RESTORED MUSCULAR CRABALованЕС

Vaddz, K. et al [Hungary]

CP-PM04-7

EFFECTS OF MODERATE-INTENSITY ENDURANCE AND HIGH-INTENSITY INTERVAL TRAINING UNDER HYPOXYCIC CONDITIONS ON BODY COMPOSITION AND GLUCOSE TOLERANCE

Ogita, F. et al [Japan]

CP-PM05 TRAINING AND TESTING

LECTURE ROOM: FORUM HALL (CP POSTER AREA)

Chairs:
Wievelthove, T. [Germany]
Colfer, J. [New Zealand]

CP-PM05-1 [YIA]

EFFECTS OF REPEATED SPRINT TRAINING IN HYPOXIA ON REPEATED WINGATE SPRINT ABILITY AND LACTATE METABOLISM

Takei, N. [Japan]

CP-PM05-2

NEUROMUSCULAR, METABOLIC AND PERCEPTUAL RESPONSE TO CONCURRENT TRAINING

Cross, R. et al [Australia]

CP-PM05-3

THE EFFECT OF WEATHER ON IAAF AND OLYMPIC TRACK AND FIELD PERFORMANCE FROM 1983 - 2017

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THE UTILITY OF A SELF-PACED SUBMAXIMAL CONSTANT-LOAD TEST TO MONITOR FATIGUE IN ULTRA-MARATHON RUNNERS.

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CP-PM05-6

SPRINT INTERVAL TRAINING VERSUS HIGH INTENSITY INTERVAL TRAINING IN UNTRAINED UNIVERSITY STUDENTS

Boer, P. [South Africa]

CP-PM05-7

EFFECTS OF MODERATE-INTENSITY ENDURANCE AND HIGH-INTENSITY INTERVAL TRAINING UNDER HYPOXYCIC CONDITIONS ON BODY COMPOSITION AND GLUCOSE TOLERANCE

Ogita, F. et al [Japan]

CP-PM05 TRAINING AND TESTING

LECTURE ROOM: FORUM HALL (CP POSTER AREA)

Chairs:
Wievelthove, T. [Germany]
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CP-PM05-1 [YIA]

EFFECTS OF REPEATED SPRINT TRAINING IN HYPOXIA ON REPEATED WINGATE SPRINT ABILITY AND LACTATE METABOLISM

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Boer, P. [South Africa]

CP-PM05-7

EFFECTS OF MODERATE-INTENSITY ENDURANCE AND HIGH-INTENSITY INTERVAL TRAINING UNDER HYPOXYCIC CONDITIONS ON BODY COMPOSITION AND GLUCOSE TOLERANCE

Ogita, F. et al [Japan]
THE EFFECT OF AN UNILATERAL SHORT-TERM TWO DIFFERENT SPEEDS CONCENTRIC ISOKINETIC KNEE EXTENSIONS AT REDISTRIBUTION ON TOTAL WORK DURING

MORIEUX, G. et al [France]
CP-BN01-6 TENSIONSTOMYOGRAPHY INDICATES DIFFERENT LEVELS OF POST-EXERCISE CONTRACTILE FATIGUE BETWEEN TRADITIONAL SETS AND REST REDISTRIBUTION SETS AT DIFFERENT VELOCITIES
Omiec, D. et al [Czech Republic]
CP-BN01-7 CHANGES IN THE RATE OF FORCE DEVELOPMENT-SCALING FACTOR FOLLOWING ISOMETRIC ELECTROMYOSTIMULATION TRAINING PROGRAM
Mirko, D.M. et al [Serbia]
CP-BN01-8 HISTORY DEPENDENCE OF MUSCLE EXCITATION AND OXGENATION
Song, J. et al [Korea, South]
CP-BN01-9 A NEW METHOD OF SPLITTING NEUROMUSCULAR ELECTRICAL STIMULATION CURRENT OVER SEVERAL SMALLER ELECTRODES
Aldayel, A. [Saudi Arabia]

LECTURE ROOM: FORUM HALL (CP POSTER AREA)

Chair(s):

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LECTURE ROOM: FORUM HALL (CP POSTER AREA)

Chair(s):
**Conventional Print Poster Presentations**

**CP-PW02-3 [YIA]**
EFFECT OF DIFFERENT CARBOHYDRATE MEAL INTAKE AFTER EXERCISE ON AERobic MUSCLE GYCOGEN AND URINE HEPIDIN LEVEL IN ELITE NORDIC COMBINED ATHLETES.
Ishibashi, A. et al [Japan]

**CP-PW02-4**
THE EFFECT OF CARBOHYDRATE SUPPLEMENTATION ON SUBSTRATE OXIDATION DURING EXERCISE IN HYPOXIA AFTER BREAKFAST CONSUMPTION OR OMSSION
Griffiths, A. et al [United Kingdom]

**CP-PW02-5**
EFFECTS OF HIGH-CARBOHYDRATE MEAL ON MUSCLE GYCOGEN AND PHYSICAL PERFORMANCE AFTER RAPID WEIGHT LOSS IN ELITE COLLEGIATE WRESTLERS
Kondo, E. et al [Japan]

**CP-PW02-6**
EFFECTS OF VITAMIN D SUPPLEMENTATION ON MUSCLE FUNCTION IN FEMALE COLLEGE VOLLEYBALL PLAYERS
Liu, Y.H. et al [Taiwan]

**CP-BN02-1 [YIA]**
MUSCLE SIZE-SCALED SHEAR ELASTIC MODULUS AND THE HUMAN GASTROCNEMIUS MEDIAS DURING BODY WEIGHT SUPPORTED RUNNING USING THE VERTICAL TREADMILL FACILITY
Yagi, M. et al [Japan]

**CP-BN02-2 [YIA]**
ASSESSMENT OF ACHILLES TENDON LENGTH DURING WALKING AND RUNNING: A NEW IN VIVO APPROACH
Kharazi, M.R. et al [Germany]

**CP-BN02-4 [YIA]**
CHANCES IN ECHO INTENSITY AND SHEAR ELASTIC MODULUS OF THE HAMSTRINGS WITH PASSIVE KNEE EXTENSION
Nokoo, S. et al [Japan]

**CP-BN02-5**
CHARACTERISTICS OF LOWER LUMB TENDONS AND THEIR RELATIONSHIPS WITH THE JAWELIN THROW PERFORMANCE
Kunimasa, Y. et al [Japan]

**CP-BN02-6**
EFFECTS OF FASCICLE LENGTH FILTERING ON MUSCLE-TENDON BEHAVIOURAL PARAMETERS DURING CYCLING
Walker, J. et al [United Kingdom]

**CP-BN02-7**
EFFECT OF WEIGHT LOAD ON MUSCLE-TENDON COMPLEX BEHAVIOR DURING SQUAT EXERCISE
Noro, H. et al [Japan]

**CP-BN02-8**
VISCOSOELASTIC PROPERTIES OF VASTUS LATERALIS MUSCLE-TENDON COMPLEX IN COLLEGIATE SPRINTERs
Hata, K. et al [Japan]

**CP-BN02-9**
RELATIONSHIP BETWEEN DECREASED STRETCH-SHORTENING CYCLE PERFORMANCE AFTER CYCLING AND STRETCH REFLEX OF TRICEPS SURAE MUSCLE
Takahashi, K. et al [Japan]

**CP-BN02-10**
DECREASE IN PASSIVE TENSION IS ASSOCIATED WITH AN INCREASE IN SOLEUS HOFFMANN-REFLEX AMPITUDE DURING A 1-MIN CONSTANT LENGTH STRETCHING OF THE PLANTAR FLEXOR MUSCLES
Datoussaid, M. et al [Belgium]

**CP-SH03-1**
Lecture Room: Forum Hall (CP Poster Area)
Chair(s): Frühaufl, A. [Austria]

**CP-SH03-2**
ASPECTS OF PSYCHOSOMATIC DISORDERS IN HIGHLY QUALIFIED ATHLETES
Gogina, A. et al [Russia]

**CP-SH03-3**
WHAT IS ORIENTEERING SPORT? A CASE STUDY OF THE ATHLETES PERCEPTION IN BRAZIL
Scopel, E. et al [Brazil]

**CP-SH03-4**
IMPLICIT PERSONALITY TRAITS AND SUCCESS IN SPORTS.
Igolkina, A. et al [Russia]

**CP-SH03-5**
THE RELATIONSHIP BETWEEN EXPECTED VALUE AND BRAND LOYALTY FOR SPORTS BRANDS SUPPORTING FEMINISM: VERIFICATION OF THE MEDIATING EFFECT OF BRAND EMOTION
Kim, I.G. et al [Korea, South]

**CP-BN03-2 [YIA]**
ALTERNATIONS IN FUNCTIONAL CONNECTIVITY IS ASSOCIATED WITH COGNITIVE IMPROVEMENT INDUCED BY ACUTE EXERCISE
Saito, S. et al [Japan]

**CP-BN03-3 [YIA]**
ASSOCIATION BETWEEN ENDOGENOUS DOPAMINE RELEASE AND COGNITIVE IMPROVEMENT DURING EXERCISE
Kono, T. et al [Japan]

**CP-BN03-4**
QUADRICEPS ACTIVATION DURING SELECTED FUNCTIONAL EXERCISES WITH AND WITHOUT ENHANCED ABDOMINAL CORE ACTIVATION
Ishihara, T. et al [Japan]

**CP-BN03-5**
EFFECTS OF HOLDING EXTERNAL LOADS WITH DIFFERENT MASSES ON POSTURAL CONTROL SYSTEM DURING QUIET STANDING
Yaegashi, M. et al [Japan]

**CP-BN03-6**
EFFECT OF CARBOHYDRATE SUPPLEMENTATION ON MUSCLE SIZE-SCALED SHEAR ELASTIC MODULUS
Latella, C. [Australia]

**CP-BN03-7**
ACTIVITY DURING CONTRACTION AND RELAXATION IN A VARIETY OF MUSCLES
Tetsu, T. et al [Japan]
Wednesday, July 3, 2019

12:45 - 13:45

**CP-BN03-8**
**EFFECT OF MUSCLE RELAXATION ON CORTI-COSPINAL EXCITABILITY OF OTHER MUSCLES IN THE SAME LIMB**
Ito, M. et al (Japan)

**CP-BN03-9**
**WITHIN AND BETWEEN DAY RELIABILITY OF MUSCLE SYNERGIES IN A COMPLEX STRENGTH TRAINING TASK**
Santos, P. et al (Portugal)

**CP-PM03 HEALTH AND FITNESS**

**LECTURE ROOM: FORUM HALL (CP POSTER AREA)**

**CP-PM03-1**
**VENTILATORY RESPONSE AT REST AND DURING MAXIMAL EXERCISE TESTING IN PATIENTS WITH SEVERE OBESITY BEFORE AND AFTER SLICE GASTRECTOMY PROCEDURE**
Favero, C. et al (Italy)

**CP-PM03-2**
**THE RELATIONSHIP BETWEEN SLEEP HABITS AND MEETING THE CHILDREN'S PHYSICAL ACTIVITY GUIDELINES IN FIFTH- AND SIXTH-GRADE JAPANESE CHILDREN**
Aoki, T. et al (Japan)

**CP-PM03-3**
**IMPACT OF DECREASE IN FATNESS ON CHANGES IN MENSTRUAL PATTERN IN JAPANESE COMPETITIVE ADULT WOMEN**
Uchiuma, E. et al (Japan)

**CP-PM03-4**
**THE COMBINED EFFECTS OF ACUTE EXERCISE AND FREQUENT BREAKS IN SITTING ON POSTPRANDIAL METABOLISM IN OLDER ADULTS**
Wheeler, M. (Australia)

**CP-PM03-5**
**COMBINED EFFECTS OF PHYSICAL ACTIVITY AND SEDENTARY BEHAVIOR ON FUNCTIONAL FITNESS IN MIDDLE-AGED AND OLDER COMMUNITY-DWELLERS: A PRELIMINARY STUDY**
Wu, H.J. et al (Taiwan)

**CP-PM03-6**
**PHYSICAL ACTIVITY, HEALTH PERCEPTION, BARRIERS TO EXERCISE IN ADULT NON-ATHLETES AND ATHLETES – INFLUENCE OF SPORT DURING YOUTH**
Leik, D. et al (Germany)

**CP-PM03-7**
**THE EFFECT OF ONE YEAR OF AEROBIC EXERCISE ON UPPS AND LIPOPTEINS IN OLDER ADULTS**
Berglund, I. (Norway)

**CP-PM03-8**
**EFFECT OF COMBINED EXERCISE AND DIETARY INTERVENTION ON SELF-CONTROL IN OBESE ADOLESCENTS**
Xiang, M.Q. et al (China)

**CP-PM03-9**
**HIGH VELOCITY LEG STRENGTH BUT NOT HANDGRIP STRENGTH IS ASSOCIATED WITH FUNCTIONAL CAPACITY IN OLDER ADULTS**
Vetrovsky, T. et al (Czech Republic)

**CP-BN06 SPORT TECHNOLOGY MIXED**

**LECTURE ROOM: FORUM HALL (CP POSTER AREA)**

**CP-BN06-1**
**CONTROLLED AND IN-SITU EVALUATION OF INDUSTRIAL EXOSKELETON: PRELIMINARY RESULTS**
De Bock, S. et al (Belgium)

**CP-BN06-2**
**THE MECHANICAL ROVER: CONSTRUCTION, VALIDITY, AND RELIABILITY OF A MEASURING STATION FOR WIND BRAKED ROWING EROGMETERS**
Menzt, L. et al (Germany)

**CP-BN06-3**
**PRECISE AUTOMATED PASSING IN AMERICAN FOOTBALL**
Hoflaus, B. et al (Australia)

**CP-BN06-4**
**EFFECTS OF CYCLING SHORTS PADDED ON PERCEIVED DISCOMFORT AND SADDLE PRESSURE DISTRIBUTION AMONG FEMALE CYCLISTS IN LABORATORY CONDITIONS**
Larsen, A.S. et al (Denmark)

**CP-BN06-5**
**COMPARISON OF PUSH-IN HARDNESS METERS: HAND-HELD TYPE AND ULTRASONOGRAPHIC DEVICES**
Nurayama, M. et al (Japan)

**CP-BN06-6**
**MICROCURRENT DEVICE IMPROVES LACTATE REMOVAL, PRESERVES LEAN MASS, AND ATTENUATES MUSCULAR SORENESS IN ENDURANCE ATHLETES: A PILOT STUDY**
Seijo, M. et al (United Kingdom)

**CP-BN06-7**
**THE DEVELOPMENT OF AN ATHLETE SPECIFIC CHRONOTYPE INDEX**
Ryan, R. et al (Australia)

**CP-BN06-8**
**ASSESSMENT OF MUSCLE SWELLING AFTER EXERCISE USING BIOELECTRICAL IMPEDANCE ANALYSIS**
Iwata, A. et al (Japan)

**CP-BN06-9**
**EFFECTS OF SELF NATURE POSTURE EXERCISE (SNPE) ON FITNESS, FUNCTIONAL MOVEMENT, RANGE OF MOTION, AND PAIN PERCEPTION**
Lee, H. et al (Korea, South)

**CP-BN07-1**
**POSTURAL STABILITY AND REGULATION BEFORE AND AFTER ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION – A TWO YEARS LONGITUDINAL STUDY**
Hermassi, S. et al (Qatar)

**CP-BN07-2**
**RECOVERY EFFECT ON ECCENTRIC EXERCISE-INDUCED MUSCLE DAMAGE BY CONTRAST WATER THERAPY**
Lee, J.H. et al (Taiwan)

**CP-BN07-3**
**A NOVEL BEHAVIOURAL INTERVENTION TO REDUCE SEDENTARY TIME IN OLDER ADULTS UNDERGOING ELECTIVE HIP OR KNEE SURGERY: INTERESTS: A RANDOMISED CONTROLLED FEASIBILITY STUDY**
Aunger, J.A. et al (United Kingdom)

**CP-BN07-4**
**TREATMENT EFFECTS OF FUNCTIONAL ELECTRICAL STIMULATION ON PATHOLOGICAL TREMOR**
Kang, N. et al (Korea, South)

**CP-BN07-5**
**PREDICTION AND VALIDATION OF AN ACCURATE AND SIMPLIFIED TOOL TO CONFIRM SARCOPENIA AND RISK OF PHYSICAL DISABILITY IN PEOPLE LIVING WITH HIV/AIDS**
ILOSANTOS, A.P.S. et al (Brazil)

**CP-BN07-6**
**EFFECTS OF SELF NATURE POSTURE EXERCISE (SNPE) ON FITNESS, FUNCTIONAL MOVEMENT, RANGE OF MOTION, AND PAIN PERCEPTION**
Lee, H. et al (Korea, South)

**CP-BN07-7**
**PHYSICAL READINESS AND SELF-RATED ABILITY WITHIN AND BETWEEN DAY RELIABILITY OF A PRELIMINARY STUDY**
Lee, J.H. et al (Taiwan)

**CP-BN07-8**
**TWO-DIMENSIONAL KNEE AND HIP KINEMATICS IN ATHLETES WITH AND WITHOUT ADDUCTOR SPRAINS IN CHRONIC STAGE**
Hunsawong, T. et al (Thailand)

**CP-BN07-9**
**PRELIMINARY RESULTS OF THE USE OF A SIMPLE AND EFFECTIVE TOOL TO CONFIRM SARCOPENIA IN BADMINTON PLAYERS**
Barone, G. et al (Italy)

**CP-BN08 BALANCE AND POSTURE**

**LECTURE ROOM: FORUM HALL (CP POSTER AREA)**

**CP-BN08-1**
**RELATIONSHIP BETWEEN ANKLE PLANTAR FLEXOR FORCE STEADINESS AND POSTURAL STABILITY ON STABLE AND UNSTABLE PLATFORMS**
Hirono, T. et al (Japan)

**CP-BN08-2**
**VOLUNTARY STEP EXECUTION IS A LIMITED PREDICTOR FOR RECOVERY PERFORMANCE AFTER SUDDEN BALANCE LOSS**
Weth, J. et al (United Kingdom)

**CP-BN08-3**
**TRUNK NEUROMUSCULAR CONTROL IS ASSOCIATED WITH POSTURAL CONTROL DURING CHALLENGING BALANCE TASK**
Duchene, Y. et al (France)

**CP-BN08-4**
**BACK ROTATOR ISOKINETIC STRENGTH PROFILE IN BADMINTON PLAYERS**
Li, N. et al (China)

**CP-BN08-5**
**EVALUATION OF PROPRIOECEPTION IN SUBJECTS BEFORE AND AFTER TOTAL KNEE ARTHROPLASTY**
Duchene, Y. et al (France)

**CP-BN08-6**
**DOES EXPLICIT VR USB USE BENEFIT BEGINNERS’ HANDSTAND PERFORMANCE? APPROACHING ALTERED COACHING OF SKILL-RELATED MOTOR BEHAVIOUR**
Rohleder, J. et al (Germany)

**CP-BN08-7**
**COMPARISON OF DIFFERENT BALLET POINTE SHOES ON GROUND REACTION FORCE DURING BALLET MOVEMENTS**

Conventional Print Poster Presentations

Lie, C.F. et al [Taiwan]
CP-BN04-8
THE EFFECT OF EMG BIOFEEDBACK ON THE ACTIVITY OF POSTURAL MUSCLES DURING STANDING IN THE ELDERLY: IMPLICATIONS FOR BALANCE TRAINING.

Dos Anjos, F. et al [Italy]
CP-BN04-9
INTER-RATER RELIABILITY OF THE FOOT LIFT TEST IN PHYSICALLY ACTIVE INDIVIDUALS.

Thanasoot, K. et al [Thailand]

**CP-BN05 RUNNING AND THROWING**

LECTURE ROOM: FORUM HALL (CP POSTER AREA)
Chair(s):
Paradisis, G. [Greece]
Couppe, C. [Denmark]

CP-BN05-1 [YIA]
BUILT FOR FAST SPRINT RUNNING: PHASE-SPECIFIC ASSOCIATION OF INDIVIDUAL HIP EXTENSOR SIZES WITH SPRINT VELOCITY AND STEP VARIABLES.

Tokashiki, K. et al [Japan]

CP-BN05-2 [YIA]
INTERRELATIONSHIP BETWEEN JOINT MOVEMENTS TO MAINTAIN PRECISION OF PERFORMANCE IN BASEBALL THROWING.

Kimura, A. et al [Japan]

CP-BN05-3
EFFECT OF TRUNK LATERAL TILT ON PITCHING BIOMECHANICS AND PERFORMANCE.

Tseng, T. et al [Taiwan]

CP-BN05-4
THE EFFECT OF EARLY TRUNK ROTATION ON BASEBALL PITCHING MECHANICS.

Yeh, H. et al [Taiwan]

CP-BN05-5
CAN BIOMECHANICAL METAPHOR CORRECTLY CONVEY INFORMATION OF SPORTS TECHNIQUES? A KINEMATIC ANALYSIS OF DART THROWING.

Zeniya, H. et al [Japan]

CP-BN05-6
IDENTIFICATION OF RUNNING PATTERNS IN JUNIOR HIGH SCHOOL STUDENTS.

Yamagoya, T. et al [Japan]

CP-BN05-7
BEHAVIOUR OF MUSCLE-TENDON COMPLEX OF THE GASTRIC NEMIUS LATERALIS DURING THE STANCE PHASE OF STAIR GAIT IN YOUNG AND OLD ADULTS.

Johansson, J. et al [Luxembourg]

CP-BN05-8
MEDIAL LUNGITUDINAL ARCH DEFORMATION DURING GAIT IN ELEMENTARY SCHOOL GIRLS.

Kuchi, A. et al [Japan]

CP-BN05-9
EFFICACY OF TRANSVERSE ARCH SUPPORT SHOE INSOLES IN COUNTERING PLANTAR FORCE.

Saho, Y. et al [Japan]

CP-BN08 JUMPING AND SQUATTING

LECTURE ROOM: FORUM HALL (CP POSTER AREA)
Chair(s):

CP-BN08-1
LONGITUDINAL CHANGES IN THE EARLY AND LATE RATES OF FORCE DEVELOPMENT IN THE COMPETITION SEASON FOR JUMPERS.

Zushti, K. et al [Japan]

CP-BN08-2
BASKETBALL DUNK KINETICS – AGREEMENT BETWEEN FORCE PLATE AND MARKERLESS 3-D MOTION CAPTURE SYSTEM ASSESSMENTS.

Cobarkapa, D. et al [United States]

CP-BN08-3
KNEE KINEMATICS DIFFERENCES IN DIFFERENT LANDING TASKS BETWEEN FEMALE BASKETBALL PLAYER AND NON-PLAYER.

Kagaya, Y. et al [Japan]

CP-BN08-4
DETERMINING JUMP HEIGHT IN BEACHVOLLEYBALL WITH INERTIAL MEASUREMENT DEVICES.

Schmidt, M. et al [Germany]

CP-BN08-5
DOES HIP STRENGTH INFLUENCE KNEE POWER DURING DROP JUMP TASKS IN ADOLESCENTS?

Petrovic, M. et al [Iceland]

CP-BN08-6
THE SPIKE IN BEACH VOLLEYBALL – EXAMINATION OF TWO DIFFERENT ARM SWING TECHNIQUES.

Scharpf, N. et al [Australia]

CP-BN08-7
DIFFERENCES IN PEAK VELOCITY, PEAK POWER, JUMP HEIGHT AND COUNTERMOVEMENT DEPTH. JUMPS OVER A 50CM HURDLE AND ON TO A 50CM BOX.

Janikov, M.T. et al [Czech Republic]

CP-BN08-8
IS THE JUMPING PERFORMANCE INFLUENCED BY THE BASIC ANTHROPOMETRIC PARAMETERS IN FEMALE VOLLEYBALL PLAYERS?

Jandova, S. et al [Czech Republic]

CP-MI02 TRAINING AND TESTING

LECTURE ROOM: FORUM HALL (CP POSTER AREA)
Chair(s):

CP-MI02-1
PREFERRED TEACHING STYLES OF PETE TEACHER CANDIDATES.

Wilkinson, C. et al [United States]

CP-MI02-2
IS THERE A PLACE FOR EXTERNAL SPORTS SPECIALISTS IN EXTRACURRICULAR SPORTS CLUB ACTIVITIES AT JAPANESE MIDDLE- AND HIGH-SCHOOLS?

Shimizu, Y. et al [Japan]

CP-MI02-3
EFFECTS OF A SHORT-TERM HIGH INTENSITY INTERVAL TRAINING ON PHYSICAL FITNESS AND EXECUTIVE FUNCTIONS IN ELEMENTARY SCHOOL CHILDREN.

Tottori, N. et al [Japan]

CP-MI02-4
GAZE ANALYSIS OF EARLY CHILD CARE TEACHERS’ OBSERVATION SKILL.

Nakazawa, K. et al [Japan]

CP-MI02-5
PHYSIOLOGICAL PROFILES OF YOUNG PILOTS OF AN ELITE DRIVER ACADEMY.

Kamazac, N. et al [Italy]

CP-MI02-6
THE BASIC ANTHROPOMETRIC PARAMETERS IN YOUNG MALE-AND FEMALE VOLLEYBALL PLAYERS?

Lee, M. et al [Taiwan]

CP-MI02-7
THE ROLE OF BURPEES AS PUNISHMENT FOR A “MISSED OBSTACLE” DURING OBSTACLE COURSE RACING: A PILOT STUDY.

Monika, K. et al [Czech Republic]

CP-MI02-8
IS THERE AN ACUTE EFFECT IN PERFORMING COMMON RANGE OF MOTION TESTS?

Holzgreve, F. et al [Germany]

CP-MI02-9
IMU-BASED CLASSIFICATION OF THE FUNCTIONAL MOVEMENT SCREEN DEEP SQUAT AND HURDLE STEP TESTS.

Lee, M. [Taiwan]

CP-SH01 PHYSICAL EDUCATION / PEDAGOGIC APPROACHES

LECTURE ROOM: FORUM HALL (CP POSTER AREA)
Chair(s):

CP-SH01-1 [YIA]
IS THERE A PLACE FOR EXTERNAL SPORTS SPECIALISTS IN EXTRACURRICULAR SPORTS CLUB ACTIVITIES AT JAPANESE MIDDLE- AND HIGH-SCHOOLS?

Shimizu, Y. et al [Japan]

CP-SH01-2
EFFECTS OF A SHORT-TERM HIGH INTENSITY INTERVAL TRAINING ON PHYSICAL FITNESS AND EXECUTIVE FUNCTIONS IN ELEMENTARY SCHOOL CHILDREN.

Tottori, N. et al [Japan]

CP-SH01-3
GAZE ANALYSIS OF EARLY CHILD CARE TEACHERS’ OBSERVATION SKILL.

Nakazawa, K. et al [Japan]

CP-SH01-4
IS THERE A PLACE FOR EXTERNAL SPORTS SPECIALISTS IN EXTRACURRICULAR SPORTS CLUB ACTIVITIES AT JAPANESE MIDDLE- AND HIGH-SCHOOLS?

Shimizu, Y. et al [Japan]

CP-SH01-5
EFFECTS OF A SHORT-TERM HIGH INTENSITY INTERVAL TRAINING ON PHYSICAL FITNESS AND EXECUTIVE FUNCTIONS IN ELEMENTARY SCHOOL CHILDREN.

Tottori, N. et al [Japan]

CP-SH01-6
GAZE ANALYSIS OF EARLY CHILD CARE TEACHERS’ OBSERVATION SKILL.

Nakazawa, K. et al [Japan]

CP-SH01-7
IS THERE A PLACE FOR EXTERNAL SPORTS SPECIALISTS IN EXTRACURRICULAR SPORTS CLUB ACTIVITIES AT JAPANESE MIDDLE- AND HIGH-SCHOOLS?

Shimizu, Y. et al [Japan]

CP-SH01-8
EFFECTS OF A SHORT-TERM HIGH INTENSITY INTERVAL TRAINING ON PHYSICAL FITNESS AND EXECUTIVE FUNCTIONS IN ELEMENTARY SCHOOL CHILDREN.

Tottori, N. et al [Japan]

CP-SH01-9
GAZE ANALYSIS OF EARLY CHILD CARE TEACHERS’ OBSERVATION SKILL.

Nakazawa, K. et al [Japan]
CP-SH05 PSYCHOLOGY / MOTIVATION

LECTURE ROOM: FORUM HALL (CP POSTER AREA)

Chair(s):
Johansen, B. [Norway]
Mammen, A. [Norway]

CP-SH05-1
RELATIONSHIP OF EMPOWERING ENVIRONMENTS CREATED BY THE COACH AND PSYCHOLOGICAL NEEDS SATISFACTION TO MEXICAN ADOLESCENT-AGE ATHLETES’ INTENTIONS TO CONTINUE PARTICIPATION
Ramírez-Mejía, J.J. et al [Mexico]

CP-SH05-2
DIFFERENCES IN PERCEIVED SOCIAL SUPPORT IN BOYS ENGAGING OR NOT ORGANIZED SPORT
Silva, G. et al [Portugal]

CP-SH05-3
INVESTIGATING CONFIDENCE AND SELF-EFFICACY RATINGS IN ATHLETIC TRAINING STUDENTS IN JAPAN: A LONGITUDINAL STUDY FROM JUNIOR THROUGH SENIOR YEAR
IDE, Y. et al [Japan]

CP-SH05-4
GENDER DIFFERENCES IN THE GAME OF GO: PARENTS’ EXPECTANCY AND VALUE BELIEFS ON YOUNG PARTICIPANTS
Chao, Y.C. et al [Taiwan]

CP-SH05-5
THE EFFECT OF NATIONALITY, GENDER, AND GRADE UPON MOTIVATION FOR PHYSICAL EDUCATION AMONG ELEMENTARY SCHOOL CHILDREN IN JAPAN AND SOUTH KOREA
Ikeda, T. et al [Japan]

CP-SH05-6
DOES AGE MATTER? A QUALITATIVE COMPARISON OF MOTIVES AND ASPECTS OF RISKS IN ADOLESCENT AND ADULT FREERIDERS
Frohau, A. et al [Austria]

CP-SH05-7
TEAM UNITY AS A PREDICTOR OF Athlete Com-PETITIVE MOTIVATION
Kai, Y. [Japan]

CP-SH05-8
WHY DO FANS FOLLOW THE ATHLETES SOCIAL MEDIA (BRAND) PAGES?
Kajos, A. [Hungary]

CP-SH05-9
IMPlicit and Explict AchEivement Motives of Young Athletes
Krisel, E. et al [Germany]

CP-MI09 TEAM SPORTS

LECTURE ROOM: FORUM HALL (CP POSTER AREA)

Chair(s):
Sayers, M. [Australia]
Dascombe, B. [Australia]

CP-MI09-1
A LONGITUDINAL COMPARISON OF ANAEROBIC PERFORMANCE IN ELITE CZECH JUNIOR ICE HOCKEY PLAYERS IN THE PERIOD 2001 TO 2018
Heller, J. et al [Czech Republic]

CP-MI09-2
THE ESTABLISHMENT OF PHYSICAL FITNESS AND TECHNICAL SKILLS EVALUATION INDEX FOR CHINESE PROFESSIONAL MEN’S BASKETBALL ATHLETES
Wang, Z. [China]

CP-MI09-3
ATHLETE MONITORING DURING WOMEN’S COLLEGIATE BASKETBALL PRE-SEASON
Jones, M.T. et al [United States]

CP-MI09-4
READINESS TO RE-PERFORM DURING A COMPETITIVE WEEKLY CYCLE IN U14 AND U16 MALE SOCCER PLAYERS
Lehnert, M. et al [Czech Republic]

CP-MI09-5
RELATIONSHIP BETWEEN CONDITIONING AND GPS PARAMETERS IN RUGBY PLAYERS TRAINING IN A SUMMER CAMP
Onishi, T. [Japan]

CP-MI09-6
SMALL-SIZED GAMES LEAD TO LOWER STIMULUS AND GREATER INTER-INDIVIDUAL VARIABILITY IN THE HEART RATE RESPONSE COMPARED TO INTERRUMENT RUNNING IN PREPUBLERTAL SOCCER PLAYERS
MASSAMBA, A. et al [France]

CP-MI09-7
SPRINT THRESHOLDS AND LIMITS OF AGREEMENT IN TESTING MAXIMAL VELOCITY IN U16 FEMALE SOCCER PLAYERS
Hodun, M. et al [Germany]

CP-MI09-8
TEMPORARY FATIGUE DURING FUTSAL GAMES
Ohmura, T. [Japan]

CP-MI09-9
CHANGE OF DIRECTION PERFORMANCE OF RUGBY PLAYERS: INFLUENCES OF PHYSICAL AND TECHNICAL ASPECTS
Freitas, T.T. et al [Spain]

CP-MI09-10
MODELLING THE OVERALL TECHNICAL PERFORMANCE IN YOUNG PORTUGUESE SOCCER PLAYERS: THE INEX PROJECT
Abohrounejad, M. et al [Portugal]

CP-MI12 ENDURANCE

LECTURE ROOM: FORUM HALL (CP POSTER AREA)

Chair(s):
Etchezbarria, N. [Australia]
Petersen, C. [New Zealand]

CP-MI12-1
SELF-SELECTED MUSIC REDUCES PERCEIVED EXERTION DURING HIGH-INTENSITY INTERVAL EXERCISE WITHOUT AFFECTING EXERCISE-INDUCED IMPROVEMENTS IN INHIBITORY CONTROL
Sugimoto, T. [Japan]

CP-MI12-2
THE USE OF RESTING HEART RATE AND HEART RATE VARIABILITY TO MONITOR STRESS AND PREDICT PERFORMANCE FOLLOWING HYPOXIC REPEATED SPRINT TRAINING IN RUGBY PLAYERS
Homlin, M.J. et al [New Zealand]

CP-MI12-3
BODY & BOAT SIGNIFICANCE OF MORPHOLOGY ON ELITE ROWING PERFORMANCE
Delaurochelambert, Q. [France]

CP-MI12-4
MONITORING THE TRAINING RESPONSE IN A PROFESSIONAL FEMALE LONG-DISTANCE TRIATHLETE USING SUBMAXIMAL EXERCISE TESTS - A PRACTICAL SINGLE-CASE APPROACH
Schneider, C. et al [Germany]

CP-MI12-5
SOLDERING TASKS’ PHYSIOLOGICAL DEMANDS BY HEART RATE ZONE SCORES
Canino, M. et al [United States]

CP-MI12-6
THE PARKINSON CRITICAL HEART RATE TEST: USING THE CRITICAL POWER MODEL FOR PARKINSON DISEASE
Bariyeri, R.A. et al [Brazil]

CP-MI12-7
INCREASED OXIDATION OF LIPID ENERGY SOURCES OCCURS INDEPENDENT OF CHANGES IN RUNNING ECONOMY AFTER AN EXERCISE INDUCED FATIGUE PROTOCOL
Kelly, L.P. et al [Canada]

CP-MI12-8
COMPLETE WIRELESS EMG PROTOTYPE (WELFIT EMG) RELIABILITY VERIFICATION. COMPARING AMPLITUDE WITH TELMYO DTS (NORAXON)
Kim, S. et al [Korea, South]

CP-MI12-9
LOCATION OPTIMISATION FOR IMUS IN THE DESIGN OF MOTION TRACKING SOCCER TIGHTS BASED ON SOFT TISSUE ARTIFACT ANALYSIS
Ahsmann, L.L. et al [Netherlands]

CP-SH06 PSYCHOLOGICAL RE-SPONSES TO EXERCISE I

LECTURE ROOM: FORUM HALL (CP POSTER AREA)

Chair(s):
Calogirou, G. [Norway]
Prats-Puiu, A. [Spain]

CP-SH06-1
EFFECTS OF PHYSICAL ACTIVITIES AND SLEEPING HOURS LEVEL ON STRESS REACTIONS
Takahashi, M. et al [Japan]

CP-SH06-2
PHYSICAL ACTIVITY OF NURSERY SCHOOL TEACHERS AND THEIR PSYCHOLOGICAL STRESS.
Takeda, N. et al [Japan]

CP-SH06-3
PHYSICAL ACTIVITY, STRESS, AND SEDENTARY BEHAVIOR IN GRADUATE STUDENTS: THE PASS STUDY
Durston, E. et al [United States]

CP-SH06-4
DANCE ON: CAN A COMMUNITY BASED DANCE PROGRAMME IMPROVE THE PHYSICAL AND PSYCHOLOGICAL WELL-BEING OF SOCIO-ECONOMICALLY DISADVANTAGED OLDER ADULTS?
Dingley, E. et al [United Kingdom]

CP-SH06-5
ASSOCIATION BETWEEN PHYSICAL ACTIVITY AND ANXIETY AMONG CHINESE COLLEGE STUDENTS: A CROSS-SECTIONAL STUDY
Ye, M. et al [China]

CP-SH06-6
RISK AND PROTECTIVE FACTORS: THE ROLE OF PHYSICAL ACTIVITY AT WORK OR DURING LEISURE TIME ON STRESS IN A HIGHLY STRESSED OCCUPATIONAL GROUP
Conventional Print Poster Presentations

Bischoff, L. et al [Germany]
CP-SH06-7
ASSOCIATION BETWEEN PHYSICAL FITNESS AND ACADEMIC PERFORMANCE AMONG CHINESE COLLEGE STUDENTS
Xiang, F. et al [China]
CP-SH06-8
INVESTIGATION OF THE EFFECT OF AEROBIC EXERCISE TO THE UNIVERSITY STUDENTS CREATIVE LEVELS
Tekin, M. et al [Turkey]

CP-SH07 PSYCHOLOGICAL RESPONSES TO EXERCISE II

LECTURE ROOM: FORUM HALL [CP POSTER AREA]
Chair(s): Weippert, M. [Germany] Blanquera, L. [Belgium]
CP-SH07-1
ARE SEDENTARY TIME AND PA ASSOCIATED WITH PERIWENOPAUSE RELATED DEPRESSION? THE FLAMENCO PROJECT
Marín-Jiménez, N. et al [Spain]
CP-SH07-2
EFFECTS OF SITTING AND STANDING POSTURES ON PSYCHOLOGICAL AND PHYSIOLOGICAL STATES
Aya, T. et al [Japan]
CP-SH07-3
THE RATING OF FATIGUE SCALE: CONSTRUCT VALIDITY AND RESPONSIVENESS TO A TRAINING INTERVENTION
Dékerle, J. et al [United Kingdom]
CP-SH07-4
PSYCHOLOGICAL RESPONSES TO FOUR HIGH-INTENSITY INTERVAL EXERCISE PROTOCOLS
Marques, M. et al [Brazil]
CP-SH07-5
ENDURANCE PERFORMANCE AND PSYCHO-PSYCHOLOGICAL RESPONSES TO SELF-PACED RUNNING EXERCISE FOLLOWING PARTIAL SLEEP DEPRIVATION
Sousis, W. et al [France]
CP-SH07-6
EXERCISE DURING ISOLATION – DAILY VS. EVERY SECOND DAY EXERCISE PROTOCOLS AND THEIR INFLUENCEPSYCHOPHYSIOLOGICAL EFFECTS
Abein, V. et al [Germany]
CP-SH07-7
EFFECTS OF ALTERATIONS IN VISUAL FLOW ON PHYSIOLOGICAL AND PSYCHOLOGICAL RESPONSES TO EXERCISE
Ando, S. et al [Japan]
CP-SH07-8
THE IMPACT OF CAMERA STABILITY ON CYBER SICKNESS, PRESENCE AND PSYCHOPHYSIOLOGICAL RESPONSES DURING A VIRTUAL WALK IN NATURE
Litleskäre, S. et al [Norway]

CP-PM09 MOLECULAR BIOLOGY

LECTURE ROOM: FORUM HALL [CP POSTER AREA]
Chair(s): Pérez López, A. [Spain] Prats-Puig, A. [Spain]
CP-PM09-1
ENDURANCE TRAINING IMPROVES SKELETAL MUSCLE MITOCHONDRIAL FUNCTION IN OBESE SUBJECTS
Magneza, B. et al [Italy]
CP-PM09-2
INTERFERENCE EFFECTS IN CONCURRENT TRAINING – COMPARISON OF ENDURANCE EXERCISE AND HIGH-INTENSITY INTERVAL TRAINING AFTER RESISTANCE EXERCISE.
Shirai, T. et al [Japan]
CP-PM09-3
ELECTRIC PULSE STIMULATION PROTOCOL AS A MODEL OF RESISTANCE EXERCISE IN HUMAN MYOTUBES
Valero, M. et al [Chile]
CP-PM09-4
EFFECTS OF EXERCISE ON EXPRESSION OF MYOD, MYOGENIN, MEF2MRNA IN HINDLimb-SUSPENSION RAT SKELETAL MUSCLE
Wang, Y. [China]
CP-PM09-5
TIME COURSE EFFECTS OF VOLTARY RUNNING EXERCISE ON PROTEIN PRODUCTS OF IMMEDIATE EARLy GENES IN MURINE HIPPOCAMPUS
Yokokawa, T. et al [Japan]
CP-PM09-6
AEROBIC EXERCISE TRAINING AND DEHYDROEPANADROSTERONE ADMINISTRATION INCREASE TESTICULAR SEX STEROID HORMONES AND ENHANCE REPRODUCTIVE FUNCTION IN OBESE RATS
Tato, K. et al [Japan]
CP-PM09-7
THE EFFECT OF ACUTE BOUT OF RESISTANCE EXERCISE ON SKELETAL MUSCLE PROTEIN SYNTHESIS DURING LOW AMINO ACID CONCENTRATION IN RAT SKELETAL MUSCLE
Saso, K. et al [Japan]
CP-PM09-8
IRISH PREVENTS DEXAMETHASONE-INDUCED ATROPHY IN C2C12 MYOTUBES
Chang, J. et al [Korea, South]
CP-PM09-9
METABOLIC ANALYSIS OF SKELETAL MUSCLE BEFORE AND AFTER EXERCISE IN THOROUGH-BRED HORSES
Ohmura, H. et al [Japan]
CP-PM09-10
PHYSICAL INTERVENTION AND MYO-MICRORNA EXPRESSION ON SATELLITE CELLS OF ELDERLY
Pietrangelo, T. et al [Italy]

CP-SH08 TEACHING AND COACHING EFFECTS ON CHILDREN

LECTURE ROOM: FORUM HALL [CP POSTER AREA]
Chair(s): Vago, P. [Italy]
CP-SH08-1
EFFECTS OF LONG-DISTANCE RUNNING IN SCHOOL PHYSICAL EDUCATION CLASSES WITH A FOCUS ON COMPETITION
Matsumoto, Y. et al [Japan]
CP-SH08-2
PHYSICAL ACTIVITY, PHYSICAL EDUCATION AND THE WATER IN WHICH WE SWIM
Spacey, H. L. et al [United Kingdom]
CP-SH08-3
THE MOTOR PROFICIENCY ASSESSMENT USING THE BRUININKS-OSERETSKY TEST, SECOND EDITION AT CZECH SCHOOL CHILDREN
Šeflová, I. et al [Czech Republic]
CP-SH08-4
EMPLOYING AN INTERDISCIPLINARY TEACHING APPROACH TO PHYSICAL EDUCATION ON CHILDREN’S ENGLISH AND MOTOR PERFORMANCES IN ELEMENTARY SCHOOL
Chýl, I. et al [Poland]
CP-SH08-5
ANALYSIS OF THE TECHNICAL INTERACTIONS OF A BASKETBALL TRAINING COACH: A CASE REPORT STUDY
Nieto Guisado, A. et al [Spain]
CP-SH08-6
LOAD CHARACTERISTICS OF SMALL-SIDED GAMES IN SOCCER FROM THE VIEWPOINT OF IMPROVEMENT IN PHYSICAL FITNESS: THE EFFECT OF RULE CHANGES
Santner, A. et al [Austria]

CP-SH08-7
COGNITIVE AND MOTOR EFFECTS OF A 9-WEEK TRAINING INTERVENTION WITH COMPLEX COORDINATION EXERCISES AND CONCURRENT COGNITIVE TASKS IN CHILDREN AGED 6 TO 10: A PARTLY RANDOMISED, CONTROLLED STUDY
Salzinger, A. et al [Austria]
CP-SH08-8
THE EFFECTIVENESS OF PSYCHOLOGICAL WORKSHOPS FOR COACHES IN INCREASING WELL-BEING OF CHILDREN PRACTICING SOCCER AND GYMNASTICS
Wilczynska, D. et al [Poland]

CP-PM11 OBESITY AND WEIGHT LOSS

LECTURE ROOM: FORUM HALL [CP POSTER AREA]
Chair(s): Kaviani, M. [Canada] Keytsman, C. [Belgium]
CP-PM11-1
EFFECT OF AEROBIC EXERCISE ON PLASMA 3-HYDROXYISOBUTYRATE LEVEL IN OVERWEIGHT AND OBESE MEN - COMPARISON BETWEEN NON-INSULIN RESISTANCE, PRE-INSULIN RESISTANCE AND INSULIN RESISTANCE - Myonenono, K. et al [Japan]
CP-PM11-2
CHANGES AND FOLLOW UP IN FITNESS, FATNESS AND PERCEIVED HEALTH AFTER A BRISK WALKING PROGRAM ONCE AGE AND LEVEL EDUCATION ARE CONSIDERED IN MODERATELY OBESE WOMEN
Garner, S. et al [France]
CP-PM11-3
CARDIORESPIRATORY FITNESS ASSOCIATIONS WITH METABOLIC RISK FACTORS IN A COHORT OF 18-YEAR OLD ESTONIANS
Maestu, E. et al [Estonia]
Thursday, July 4, 2019

CP-PM11-4
EFFECT OF EXERCISE ALONE ON HEPATIC STEATO-SIS: ARE BENEFITS SEEN BY META-ANALYSIS?
Baker, C. J. et al [Australia]

CP-PM11-5
COMBINED ASSOCIATION OF CHRONOTYPE AND EXERCISE HABITS ON CENTRAL OBESITY IN MIDDLE-AGED AND ELDERLY JAPANESE ADULTS: THE WASDAS HEALTH STUDY
Ito, T. et al [Japan]

CP-PM11-6
EFFECTS OF TIME RESTRICTED FEEDING (16/8) ON ENERGY EXPENDITURE, BODY COMPOSITION AND PERFORMANCE
Haupt, S. et al [Germany]

CP-PM11-7
ENERGY REPLACEMENT DIMINISHES THE POST-PRANDIAL TRIGLYCERIDE-LOWERING EFFECT OF ACCUMULATED WALKING IN POSTMENOPAUSAL WOMEN
Nagayama, C. et al [Japan]

CP-PM11-8
THE CHALLENGES OF MEETING ENERGY NEEDS - A CASE STUDY OF A SEMI-PROFESSIONAL FEMALE JIU-JITSU ATHLETE
Hirao, H. et al [Japan]

CP-MI15 AGEING
LECTURE ROOM: FORUM HALL (CP POSTER AREA)
Chair(s):
Keller, M. [Switzerland]
Franchi, M. [Italy]

CP-MI15-1
PHYSICAL ACTIVITY TO SLOW DOWN THE AGEING PROCESS: A LARGE CROSS-SECTIONAL POPULATION STUDY (THE LIFELINES COHORT)
van de Zande, S. et al [Netherlands]

CP-MI15-2
DO STEP LENGTH AND STEP FREQUENCY ASOCIATE TO VO2 AND WALKING EFFICIENCY IN ELDERLY ACTIVE WOMEN?
Blasco-Lafarga, C. et al [Spain]

CP-MI15-3
STUDY ON THE BODY SHAPE, LOWER LUMB STRENGTH, FLEXIBILITY AND BALANCE ABILITY OF ELDERLY RESIDENTS IN BEIJING
Su, J. [China]

CP-MI15-4
HANDGRIP STRENGTH AMONG MANUAL WORKERS IN THEIR FIFTH AND SIXTH DECADE OF LIFE
Norheim, K. L. et al [Denmark]

CP-MI15-5
RELATIONSHIP BETWEEN HANDGRIP STRENGTH, SIT-TO-STAND PERFORMANCE, AND OTHER COMMON PHYSICAL VARIABLES IN HEALTHY, ACTIVE, OLDER CZECHS
Steff, M. et al [Czech Republic]

CP-MI15-6
INFLUENCE OF COGNITIVE INTERFERENCE TASKS ON GAIT PERFORMANCE BEFORE AND AFTER SUSTAINED COGNITIVE ACTIVITY IN OLDER ADULTS
Gube, M. et al [Germany]

CP-MI15-7
CHANGES IN THE COGNITIVE FUNCTION OF THE FINGERS AND TOES ASSOCIATED WITH AGING
Kim, S. et al [Japan]

CP-MI15-8
POSTURAL CONTROL DURING UNILATERAL AND BILATERAL EXTERNAL PERTURBATIONS IN YOUNG AND OLDER ADULTS
Ivanoa, T. D. et al [Canada]

CP-MI15-9
LOWER EXTREMITY MUSCLE QUALITY IN RELATION TO GAIT PARAMETERS IN COMMUNITY-DWELLING MIDDLE-AGE AND OLDER ADULTS
Chen, L. [Taiwan]

CP-MI15-10
EFFECTS OF EXERCISE TRAINING ON HANDGRIP STRENGTH IN SENIORS: A META-ANALYTICAL REVIEW
Narat, M. et al [Germany]

CP-MI15-11
THE EFFECTS OF STATIC STRETCHING PROGRAM ON PASSIVE AND ACTIVE PROPERTY OF GASTROCNEMIUS MUSCLE TENDON UNIT
Matsuo, S. et al [Japan]

CP-MI15-12
DIFFERENCES IN SPLIT-TIMES AND STROKE COUNTS BETWEEN JUNIOR AND SENIOR KAYAKERS DURING CANOE SLALOM COMPETITION
Hirano, T. et al [Japan]

CP-MI15-13
PEAK HEART RATE ANALYSIS IN AMATEUR SURFERS DEPENDING ON THE NUMBER OF MANEUVERS CARRIED OUT ON A WAVE
Sansleban, A. [Spain]

CP-MI15-14
DIFFERENCES IN CHANGES OF PHYSICAL FITNESS AND ANTHROPOMETRICS OF FEMALE AND MALE RECRUITS DURING MILITARY SERVICE
Sanhila, M. et al [Finland]

CP-MI15-15
ACUTE EFFECTS OF 300 SECONDS OF STATIC AND DYNAMIC STRETCHING ON FLEXIBILITY, MUSCLE EXTENSIBILITY AND THE SHEAR ELASTIC MODULUS OF THE GASTROCNEMIUS MUSCLE-TENDON UNIT
Matsuo, S. et al [Japan]

CP-MI15-16
THE EFFECT OF STATIC STRETCHING ON FLEXIBILITY, MUSCLE GLYCOGEN UTILIZATION DURING REPEATED SPRINTS AND MUSCLE GYCOGEN UTILIZATION DURING REPEATED SPRINTS
Takuya, O. et al [Japan]

CP-MI15-17
THE EFFECTS OF 2 WEEKS OF HIGH-INTENSITY TRAINING IN MODERATE AND MILD HYPOXIA ON EXERCISE PERFORMANCE AND AEROBIC CAPACITY IN HORSES
Mukai, K. et al [Japan]

CP-MI15-18
EFFECTS OF HYPOXIA ON POWER OUTPUTS AND MUSCLE GYCOGEN UTILIZATION DURING REPEATED SPRINTS
Takuyo, O. et al [Japan]

CP-PM07 HYPOXIA
LECTURE ROOM: FORUM HALL (CP POSTER AREA)
Chair(s):
Menz, V. [Austria]
Pantano, K. [United States]

CP-PM07-1
RESPIRATORY EXERCISES DURING HIGH ALTITUDE [HA] EXPOSURE, HELP TO MAINTAIN A BETTER OXYGEN SATURATION IN NON-PROFESSIONAL CLIMBERS COUNTERACTING THE EFFECTS OF PROGRESSIVE HYPOXIA.
Balliero, F. et al [Italy]

CP-PM07-2
MODERATE HYPOXIA PROMOTES SKELETAL MUSCLE CELL GROWTH AND HYPERTROPHY
Sakushima, K. [Japan]

CP-PM07-3
EFFECT OF NUMBER OF EXERCISE TRAINING SESSIONS ON ENOS EXPRESSION
Hieda, M. et al [Japan]

CP-PM07-4
THE EFFECTS OF BEETROOT JUICE ON APPETITE, ACRYLATED CHOLEN AND ENERGY INTAKE AT 4300M SIMULATED ALTITUDE
Matu, J. et al [United Kingdom]

CP-PM07-5
EXERCISE-INDUCED HYPOXEMIA LEADS TO SPECIFIC ADAPTATIONS IN CARDIOVASCULAR SYSTEM DURING ACCLIMATIZATION TO MODERATE HYPOXIA
Durand, F. et al [France]

CP-PM07-6
HIGH ALTITUDE TRAINING CAMPS OF ELITE SWIMMERS – GENETIC, BIOCHEMICAL AND PHYSIOLOGICAL ASPECTS
Veselá, J. et al [Czech Republic]

CP-PM07-7
THE EFFECTS OF TIME RESTRICTED FEEDING (16/8) ON ENERGY EXPENDITURE, BODY COMPOSITION AND PERFORMANCE
Haupt, S. et al [Germany]

CP-PM07-8
EFFECTS OF HYPOXIA ON POWER OUTPUTS AND MUSCLE GYCOGEN UTILIZATION DURING REPEATED SPRINTS
Takuyo, O. et al [Japan]

CP-PM13 INJURY PREVENTION
LECTURE ROOM: FORUM HALL (CP POSTER AREA)
Chair(s):
Pantano, K. [United States]
Cortis, C. [Italy]

CP-PM13-1
ASSOCIATION BETWEEN ANKLE DORSIFLEXION RANGE OF MOTION AND KNEE KINEMATICS DURING SINGLE-LEG LANDING BY SUBJECTS
CP-PM16-9
SUPPLEMENTATION WITH PEQUI-OIL DOES NOT INDUCE BLOOD PRESSURE REDUCTION IN NON-INFECTION SYSTEMS.
Wirth, M. et al [Brazil]

CP-PM19-10
RELATIONSHIP BETWEEN PITCHING ACCURACY AND MUSCLE ACTIVITIES IN SKILLED BASEBALL PITCHERS.
Kuwata, M. et al [Japan]

CP-PM19-5
EFFECTS OF ASTHMA PHARMACOLOGICAL TREATMENT ON LUNG VOLUME AND EXERCISE PERFORMANCE IN ACTIVE FEMALE ATHLETES.
Wardenaar, F. et al [United States]

CP-PM19-9
THE EFFECT OF RHYTHMIC LOWER LIMB MOVEMENTS ON THE PERFORMANCE OF MULTI-LIMB SYTCH AND SUBSEQUENT INTERVAL SESSION.
Yuki, H. et al [Japan]

CP-PM19-3
DEVELOPMENT OF THE IMMERSIVE 3D-VR TRAINING SYSTEM FOR ENHANCING SPORTS VISION DEVELOPMENT OF THE IMMERSIVE 3D-VR TRAINING SYSTEM FOR ENHANCING SPORTS VISION.
Kuwata, M. et al [Japan]

CP-PM19-2
EFFECT OF RHYTHMIC LOWER LIMB MOVEMENTS ON THE PERFORMANCE OF MULTI-LIMB SYTCH.
Eraslan, L. et al [Turkey]

CP-PM19-8
EFFECTS OF ASTHMA PHARMACOLOGICAL TREATMENT ON LUNG VOLUME AND EXERCISE PERFORMANCE IN ACTIVE FEMALE ATHLETES.
Yuki, H. et al [Japan]

CP-PM19-7
EFFECT OF CREATIVE SUPPLEMENTATION ON NEUROMUSCULAR FATIGUE WHEN CYCLING ABOVE CRITICAL POWER.
Schoef, L. et al [United Kingdom]

CP-PM19-6
ELECTROMYOGRAPHIC ANALYSIS OF DIFFERENT CYCLIC LOCOMOTION IN HUMAN.
Shpakov, A. et al [Russia]

CP-PM19-1
EFFECTS OF A BRANCHED-CHAIN AMINO ACIDS-ALANINE-SUPPLEMENTATION INTAKE IN HIGH INTEGRITY ENDURANCE CYCLING TESTS.
Gervasi, M. et al [Italy]

CP-PM16-9
ACUTE EFFECT OF CAFFEINE-DERIVED PHYSIOLOGICAL AND PERFORMANCE RESPONSES TO BASIC MILITARY TRAINING IN CONSCRIPTS OTHER THAN MILITARY TRAINING IN CONSCRIPTS.
Ööpik, V. et al [Estonia]

CP-PM16-8
EFFECTS ON LEARNING A PERCEPTUAL-MOTOR TASK.
Abdollahipour, R. et al [Czech Republic]

CP-PM16-7
RAPID BUT NOT MAXIMAL FORCE RATIOS ARE SIGNIFICANTLY REDUCED BY A PROFESSIONAL SOCCER MATCH.
Gil, S.M. et al [Spain]

CP-PM16-6
INJURIES IN ADOLESCENT SCHOOL BOY RUGBY PLAYERS – ARE THE CORRECT INJURY PREVENTION STRATEGIES BEING IMPLEMENTED?
Robinson, B. et al [South Africa]

CP-PM16-5
THE EFFECT OF FOOT TAPPING ON GAIT AND STATIC POSTURE OF YOUNG HEALTHY MALES WITH CHRONIC ANKLE INSTABILITY.
Yuki, H. et al [Japan]

CP-PM16-4
INFECTIONS. PILOT STUDY.
Robinson, B. et al [South Africa]

CP-PM16-3
ASSESSMENT OF VITAMIN NUTRITIONAL STATUS IN JAPANESE MALE COLLEGIATE ATHLETES.
Nagasawa, T. et al [Japan]

CP-PM16-2
IN JAPANESE FEMALE COLLEGIATE ATHLETES WITH THE THERAPEUTIC EFFECTS OF IRON SUPPLEMENTATION IN ATHLETES WITH LOW IRON RESERVES.
Nagasawa, T. et al [Japan]

CP-PM16-1
ANALYSIS OF THE VITAMIN D-STATUS OF YOUNG ELITE TEAM SPORT ATHLETES – STUDY CONCENTRATED ON FIELD HOCKEY PLAYERS.
Broedel-Popoli, F. et al [Germany]

CP-PM-1
INFECTIONS. PILOT STUDY.
Robinson, B. et al [South Africa]

CP-PM-1
EFFECTS OF RHYTHMIC LOWER LIMB MOVEMENTS ON THE PERFORMANCE OF MULTI-LIMB SYTCH.
Yuki, H. et al [Japan]

CP-PM-1
RELATIONSHIP BETWEEN PITCHING ACCURACY AND MUSCLE ACTIVITIES IN SKILLED BASEBALL PITCHERS.
Kuwata, M. et al [Japan]

CP-BN09-10
BILATERAL CHARACTERISTICS IN STRAIN OF ILIOTIBIAL BAND AND LOWER EXTREMITIES ALIGNMENT IN MIDDLE-DISTANCE RUNNERS.
Kim, D. et al [Japan]

CP-BN09-9
INTERVENTIONAL STUDY WITH ELITE JAPANESE ATHLETE STATUS BY THE ASSOCIATION OF ACTN3 R577X POLYMORPHISM WITH ELITE JAPANESE ATHLETE STATUS BY THE ASSOCIATION OF ACTN3 R577X POLYMORPHISM WITH ELITE JAPANESE ATHLETE STATUS BY.
Mauriège, P. et al [Canada]

CP-BN09-8
PERIPHERAL TISSUE ADAPTATIONS TO HIGH INTENSITY ENDURANCE CYCLING TESTS.
Franzoni, F. [Italy]

CP-BN09-7
RELATIONSHIP BETWEEN PITCHING ACCURACY AND MUSCLE ACTIVITIES IN SKILLED BASEBALL PITCHERS.
Kuwata, M. et al [Japan]

CP-BN09-6
EFFECTS OF COMBINED TRAINING ON THE EXERCISE PERFORMANCE IN ACTIVE FEMALE ATHLETES.
Wardenaar, F. et al [United States]

CP-BN09-5
THE ASSOCIATION OF ACTN3 R577X POLYMORPHISM WITH ELITE JAPANESE ATHLETE STATUS BY THE ASSOCIATION OF ACTN3 R577X POLYMORPHISM WITH ELITE JAPANESE ATHLETE STATUS BY.
Mauriække, P. et al [Canada]

CP-BN09-4
COMPARISON OF MUSCLE ACTIVITY AND MUSCLE FATIGUE DURING RUNNING EXERCISE ON NON-MOTORIZED TREADWILL, MOTORIZED TREADWILL AND OVERGROUND.
Jang, J.S. et al [Korea, South Korea]

CP-BN09-3
EFFECTS OF ASTHMA PHARMACOLOGICAL TREATMENT ON LUNG VOLUME AND EXERCISE PERFORMANCE IN ACTIVE FEMALE ATHLETES.
Wardenaar, F. et al [United States]

CP-BN09-2
COMPARISON OF MUSCLE ACTIVITY AND MUSCLE FATIGUE DURING RUNNING EXERCISE ON NON-MOTORIZED TREADWILL, MOTORIZED TREADWILL AND OVERGROUND.
Jang, J.S. et al [Korea, South Korea]

CP-BN09-1
THE ASSOCIATION OF ACTN3 R577X POLYMORPHISM WITH ELITE JAPANESE ATHLETE STATUS BY THE ASSOCIATION OF ACTN3 R577X POLYMORPHISM WITH ELITE JAPANESE ATHLETE STATUS BY.
Mauriække, P. et al [Canada]

CP-PB09-2
EFFECTS OF COMBINED TRAINING ON THE EXERCISE PERFORMANCE IN ACTIVE FEMALE ATHLETES.
Wardenaar, F. et al [United States]

CP-PB09-1
COMPARISON OF MUSCLE ACTIVITY AND MUSCLE FATIGUE DURING RUNNING EXERCISE ON NON-MOTORIZED TREADWILL, MOTORIZED TREADWILL AND OVERGROUND.
Jang, J.S. et al [Korea, South Korea]

CP-PM20-2
THE ASSOCIATION OF ACTN3 R577X POLYMORPHISM WITH ELITE JAPANESE ATHLETE STATUS BY THE ASSOCIATION OF ACTN3 R577X POLYMORPHISM WITH ELITE JAPANESE ATHLETE STATUS BY.
Mauriække, P. et al [Canada]

CP-PM20-1
COMPARISON OF MUSCLE ACTIVITY AND MUSCLE FATIGUE DURING RUNNING EXERCISE ON NON-MOTORIZED TREADWILL, MOTORIZED TREADWILL AND OVERGROUND.
Jang, J.S. et al [Korea, South Korea]

CP-PM20-0
EFFECTS OF COMBINED TRAINING ON THE EXERCISE PERFORMANCE IN ACTIVE FEMALE ATHLETES.
Wardenaar, F. et al [United States]

CP-BN09-9
INTERVENTIONAL STUDY WITH ELITE JAPANESE ATHLETE STATUS BY THE ASSOCIATION OF ACTN3 R577X POLYMORPHISM WITH ELITE JAPANESE ATHLETE STATUS BY.
Mauriække, P. et al [Canada]

CP-BN09-8
PERIPHERAL TISSUE ADAPTATIONS TO HIGH INTENSITY ENDURANCE CYCLING TESTS.
Franzoni, F. [Italy]

CP-BN09-7
RELATIONSHIP BETWEEN PITCHING ACCURACY AND MUSCLE ACTIVITIES IN SKILLED BASEBALL PITCHERS.
Kuwata, M. et al [Japan]

CP-BN09-6
EFFECTS OF COMBINED TRAINING ON THE EXERCISE PERFORMANCE IN ACTIVE FEMALE ATHLETES.
Wardenaar, F. et al [United States]

CP-BN09-5
THE ASSOCIATION OF ACTN3 R577X POLYMORPHISM WITH ELITE JAPANESE ATHLETE STATUS BY THE ASSOCIATION OF ACTN3 R577X POLYMORPHISM WITH ELITE JAPANESE ATHLETE STATUS BY.
Mauriække, P. et al [Canada]

CP-BN09-4
COMPARISON OF MUSCLE ACTIVITY AND MUSCLE FATIGUE DURING RUNNING EXERCISE ON NON-MOTORIZED TREADWILL, MOTORIZED TREADWILL AND OVERGROUND.
Jang, J.S. et al [Korea, South Korea]

CP-BN09-3
EFFECTS OF ASTHMA PHARMACOLOGICAL TREATMENT ON LUNG VOLUME AND EXERCISE PERFORMANCE IN ACTIVE FEMALE ATHLETES.
Wardenaar, F. et al [United States]

CP-BN09-2
COMPARISON OF MUSCLE ACTIVITY AND MUSCLE FATIGUE DURING RUNNING EXERCISE ON NON-MOTORIZED TREADWILL, MOTORIZED TREADWILL AND OVERGROUND.
Jang, J.S. et al [Korea, South Korea]

CP-BN09-1
THE ASSOCIATION OF ACTN3 R577X POLYMORPHISM WITH ELITE JAPANESE ATHLETE STATUS BY THE ASSOCIATION OF ACTN3 R577X POLYMORPHISM WITH ELITE JAPANESE ATHLETE STATUS BY.
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EFFECTS OF COMBINED TRAINING ON THE EXERCISE PERFORMANCE IN ACTIVE FEMALE ATHLETES.
Wardenaar, F. et al [United States]

CP-PB09-1
COMPARISON OF MUSCLE ACTIVITY AND MUSCLE FATIGUE DURING RUNNING EXERCISE ON NON-MOTORIZED TREADWILL, MOTORIZED TREADWILL AND OVERGROUND.
Jang, J.S. et al [Korea, South Korea]

CP-PB09-0
EFFECTS OF COMBINED TRAINING ON THE EXERCISE PERFORMANCE IN ACTIVE FEMALE ATHLETES.
Wardenaar, F. et al [United States]

CP-PM20-0
EFFECTS OF COMBINED TRAINING ON THE EXERCISE PERFORMANCE IN ACTIVE FEMALE ATHLETES.
Wardenaar, F. et al [United States]
CP-PM08-3  EXERCISE INTENSITY AND ENERGY EXPENDITURE OF THE ELDERLY DURING A PETANQUE GAME
Chen, H.W. et al [Taiwan]

CP-PM08-4  EFFECTS OF A HEALTH PROMOTION PROGRAM FOR OLDER ADULTS IN THE HANDHELD STRENGTH TEST COMPARED TO THE GENERAL POPULATION
Río-de Frutos, X. et al [Spain]

CP-PM08-5  EIGHT-WEEK OF NEUROMUSCULAR ELECTRICAL STIMULATION TRAINING IMPROVES MUSCLE STRENGTH AND REDOX HOMEOSTASIS IN OLDER MALE INDIVIDUALS
Jandova, T. et al [Italy]

CP-PM08-6  EFFECTS OF SHORT TERM KETTLEBELL EXERCISE ON THE MUSCLE OF LOWER LIMB AND WALKING FUNCTIONS OF ELDERLY WOMEN.
Giu Duc, P. et al [Korea, South]

CP-PM08-7  THE VARIATION IN PERCEPTION OF FATIGUE IN ELDERLY
Soito, Y. et al [Japan]

CP-PM08-8  PLASMA N-METHYLMETHAN OXIDE LEVEL AND LIFESTYLE HABITS IN KOREAN ELDERLY PEOPLE WITH OR WITHOUT HYPOTENSION
Kim, N. Korea, South]

CP-PM08-9  THE EFFECTS OF UNSTEADY SLOPE TREADMILL WALKING ON PHYSIOLOGICAL RESPONSES DURING UNSTEADY WORKLOAD EXERCISE IN THE ELDERLY
Nishimura, K. et al [Japan]

CP-PM08-10 THE EFFECT OF HIGH INTENSITY INTERVAL TRAINING (HIIT) ON IL-6, HOMOCYTESTIN, AND C-REACTIVE PROTEIN IN MASTERS ATHLETES AND SEDENTARY OLDER MALES
Hayes, L.D. et al [United Kingdom]

CP-PM12 GENDER

LECTURE ROOM: FORUM HALL (CP POSTER AREA)

Chair(s):

CP-PM12-3  RELATONSHIP BETWEEN PHYSICAL ACTIVITY AND MUSCULOSKELETAL DISORDERS IN MEN AND WOMEN 19-64 YEARS OLD
Mokhlesabadifarahani, A. [Iran]

CP-PM12-4  IMPACT OF DIFFERENT MODES OF EXERCISE IN PUS URSUSKOSCHELETAL DISORDERS IN MEN AND WOMEN 19-64 YEARS OLD
Nishimura, K. et al [Japan]

CP-PM12-5  ASSOCIATION LIVING ARRANGEMENT WITH ENDURANCE TRAINING ON CIRCULATORY DYNAMICS OF BRAIN IN ELDERLY
Kim, Y.J. et al [Korea, South]

CP-PM12-6  THE EFFECT OF AGE, TRAINING STATUS, GENDER AND GENES ON MAXIMAL STRENGTH TRAINING ADAPTABILITY
Gólewa-Fjellet, S. et al [Norway]

CP-PM12-7  A GENDER COMPARISON OF MUSCULOSKELETAL DISORDERS, PAIN AND FORWARD HEAD POSTURE AMONG OFFICE WORKERS
Deprei, O. et al [Cyprus]

CP-PM12-8  PREVALENCE OF CHRONIC ANKLE INSTABILITY AND HISTORY OF ANKLE SPRAIN IN MALE AND FEMALE COLLEGIATE ATHLETES
Koumura, T. et al [Japan]

CP-PM12-9  EXPLORING THE EFFECTIVENESS FOR CARDIO TRAINING WHILE OPERATING OUTDOOR FITNESS EQUIPMENT
Chang, K. et al [Taiwan]

CP-PM21 CARDIOVASCULAR ATHLETES

LECTURE ROOM: FORUM HALL (CP POSTER AREA)

Chair(s):

CP-PM21-3  THE BEDROCK OF THE CARDIOVASCULAR SCREENING OF HIGHLY TRAINED FOOTBALL PLAYERS VERSUS CLASSIC PRE-PARTICIPATION EVALUATION
Stoian, I.M. et al [Romania]

CP-PM21-4  THE EFFECT OF HIGH INTENSITY INTERVAL TRAINING (HIIT) ON PERFORMANCE AND VASCULAR FUNCTION IN ELITE TRIATHLETES
Hayate, N. et al [Japan]

CP-PM21-5  THE IMPACT OF PARTICIPATING TO A 330 KM LONG ULTRA-TRAIL VERSUS A 67 KM SHORT ULTRA-TRAIL ON MUSCULAR AND CARDIAC GENETIC REGULATION BY MICRORNAS.
Speretta, G.F. et al [Brazil]

CP-PM21-6  THE IMPACT OF SWIM EXERCISE ON THE DEXA-METABOLISM IN RATS
Yamaguchi, S. et al [Japan]

CP-PM21-7  EFFECTS OF INGESTING OXYGENATED WATER ON HEART RATE AND BLOOD LACTATE DURING SIMULATED GAMES IN TAELVONDO ATHLETES
Chung, Y.K. et al [Taiwan]

CP-PM21-8  EFFECT OF HIGH INTENSITY INTERVAL TRAINING (HIIT) ON PERFORMANCE AND VASCULAR FUNCTION IN ELITE TRIATHLETES
Hayate, N. et al [Japan]

CP-PM21-9  ASSOCIATION BETWEEN PHYSICAL FITNESS AND CARDIOVASCULAR RESPONSES TO ACUTE STRESS IN MILITARY FIREFIGHTERS
Speretta, G.F. et al [Brazil]

CP-PM21-10 THE EFFECTS OF INCREASED CALF VENOUS COMPLIANCE WITH ENDURANCE TRAINING ON CIRCULATORY RESPONSES TO ACUTE EXERCISE
Kimura, Y. et al [Japan]
Conventional Print Poster Presentations

Friday, July 5, 2019

13:30 - 14:30

CP-MI10 STRENGTH AND POWER

LECTURE ROOM: FORUM HALL (CP POSTER AREA)

Chair(s):
Iglesias-Soler, E. [Spain]
Kristiansen, M. [Denmark]

CP-MI10-1

RELIABILITY OF POWER AND VELOCITY VARIABLES COLLECTED DURING THE BENCH PULL EXERCISE
Pérez-Del Río, A. et al [Austria]

CP-MI10-2

LOAD DISTRIBUTION DURING SUSPENSION TRAINING EXERCISE
Fusco, A. et al [Italy]

CP-MI10-3

CORRELATION BETWEEN POWER CAPABILITIES AND TROWING PERFORMANCE IN FEMALE ATHLETES
Duca, M. et al [Italy]

CP-MI10-4

CHANGES IN EMG ACTIVITY OF GLEUTUS MAXIMUS AND STRENGTH AFTER SQUAT MASTERING PROGRAM – CASE STUDY
Chudy, J. et al [Slovakia]

CP-MI10-5

POWER - MASS CURVE PARAMETERS IN DEEP SQUAT: ACCELERATION VS. CONCENTRIC PHASE OF MOTION
Buzgó, G. et al [Slovakia]

CP-MI10-6

WHICH ANTHROPOMETRIC AND LOWER BODY POWER VARIABLES ARE PREDICTIVE OF PROFESSIONAL AND AMATEUR PLAYING STATUS IN MAL RUGBY UNION PLAYERS?
Jones, T. et al [Qatar]

CP-MI10-7

PREDICTION OF SHOOTING SPEED IN NATIONAL WOMENS HANDBALL TEAMS
Saavedra, J.M. et al [Iceland]

CP-SH09 MORALITY AND CHARACTER DEVELOPMENT

LECTURE ROOM: FORUM HALL (CP POSTER AREA)

Chair(s):
Hedenborg, S. [Sweden]

CP-SH09-1

ATTITUDES TOWARDS OPPONENTS IN SPORTS
Grushko, A. et al [Russia]

CP-SH09-2

CHARACTERISTICS OF HARASSMENT BY COACHES IN JUNIOR HIGH-SCHOOL, HIGH-SCHOOL, AND UNIVERSITY IN THE JAPANESE SPORTS SETTINGS
Horimoto, N. et al [Japan]

CP-SH09-3

EXPLORING THE TEACHING STRATEGIES FOR TEACHING FILED GAMES FROM THE PERSPECTIVE OF CREATIVITY & CHARACTER EDUCATION
Shin, K. [Korea, South]

CP-SH09-4

IT’S HARDER TO PUSH WHEN I HAVE TO PUSH HARD! THE LEVEL OF CONCURRENT PHYSICAL EXERTION AFFECTS DECISION-MAKING ON HYPOTHETICAL MORAL DILEMMAS
Weipert, M. et al [Germany]

CP-SH09-5

OTHER DOPING CONTROLS. ONE PROCEDURE VISION TO REVISION
Mrajet-Agulier, R. et al [Spain]

CP-SH09-6

RELATIONSHIP BETWEEN COMPETITION LEVEL, ANTI-DOPING LEARNING MOTIVATION, AND CONFIRMATION BEHAVIOR REGARDING PROHIBITED SUBSTANCES AMONG JAPANESE UNIVERSITY ATHLETES: A CROSS-SECTIONAL STUDY
Murofushi, Y. et al [Japan]

CP-SH09-7

LIFELONG LEARNING: TO THE CORE OF DEVELOPMENT BETWEEN SPORT AND CULTURE OF SAFETY
Joffroy, S. et al [France]

CP-SH09-8

OCCUPATIONAL HEALTH AND SAFETY AWARENESS IN ELITE RUGBY
Chen, Y. et al [Ireland]

CP-SH09-9

GOOD REFEREES ARE NOT NICE. PERSONALITY EFFECTS ON FOOTBALL REFEREE DECISION-MAKING
Grøde, A. et al [Germany]

CP-SH10 TEAM FUNCTIONING AND LEADERSHIP

LECTURE ROOM: FORUM HALL (CP POSTER AREA)

Chair(s):
Bjørndal, C. [Norway]

CP-SH10-1

COACHES’ LEADERSHIP PROFILE IN TRADITIONAL ROWING TRAINERS
Léon Guerreño, P. [Spain]

CP-SH10-2

PERCEIVED COACH LEADERSHIP STYLE AND PSYCHOLOGICAL WELL-BEING AMONG SOUTH AFRICAN NATIONAL MALE WHEELCHAIR BASKETBALL PLAYERS.
Jooste, J. [South Africa]

CP-SH10-3

IMPLEMENTING A SHARED LEADERSHIP PROGRAM IN INDIVIDUAL SPORTS: AN INTERVENTION STUDY MEASURING THE EFFECTIVENESS OF SHARED LEADERSHIP IN ATHLETICS GROUPS
Bultheel, M. et al [Belgium]

CP-SH10-4

A NETWORK APPROACH TO UNDERSTANDING TEAM WORK IN AUSTRALIAN FOOTBALL
Young, C. [Australia]

CP-SH10-5

CONFLICTS OF TEAM BUILDING IN THE SPORTS ENVIRONMENT
Németh, Zs. [Hungary]

CP-SH10-6

MEASURING ROLE PERCEPTION IN TEAM SPORTS: THE VALIDATION OF THE CHINESE VERSION OF ROLE AMBIGUITY SCALE (RAS)
Ho, W.J. et al [Taiwan]

CP-SH10-7

PSYTOOL: SPORT PSYCHOLOGY AS A THEORETICAL FRAME TO PROMOTE A POSITIVE ATTITUDE IN GRASSROOT SPORTS
Sáez de Villarreal, E. et al [Spain]

CP-MI13 SWIMMING

LECTURE ROOM: FORUM HALL (CP POSTER AREA)

Chair(s):
Gonjo, T. [Norway]

CP-MI13-1

ANALYSIS OF THE INFLUENCING FACTORS OF LEG EXTENSION DURING THE WALKOUT MOVEMENT IN ARTISTIC SWIMMING
Kaho, M. [Japan]

CP-MI13-2

THE SESSION RPE BREAKPOINT CORRESPONDING TO INTENSITY THRESHOLDS IN OPEN WATER SWIMMERS
Ieno, C. et al [Italy]

CP-MI13-3

SLEEPING HIS WAY TO AN ASIAN GAMES MEDAL
Tan, A. [Singapore]

CP-MI13-4

COMPARISON OF SWIMMING START IN 100 M EVENTS AMONG GENERATIONS OF JAPANESE COMPETITIVE SWIMMERS
Suito, H. et al [Japan]

CP-MI13-5

EFFECT OF BODY COOLING ON PERFORMANCE IN TRIATHLON COMPETITIONS – DOES PRECOOLING IMPROVE PERFORMANCE?
Nakashima, D. [Japan]

CP-MI13-6

THE EFFECT OF DIFFERENCE ACTIVE RECOVERY PROTOCOLS ON BLOOD LACTATE CLEARANCE IN YOUNG SWIMMERS
Chaiwatpreecha, N. [Thailand]

CP-MI13-7

EFFECT OF 6-WEEK INSPIRATIONAL MUSCLE TRAINING ON DIAPHRAGM AND ACCESSORY RESPIRATORY MUSCLE FUNCTIONS IN ELITE SWIMMERS
Ando, R. et al [Japan]

CP-MI13-8

DIFFERENCES OF INTER-LIMB COORDINATION BETWEEN SYNCHRONIZED SWIMMERS AND NON-SYNCHRONIZED SWIMMERS: A PILOT STUDY
Vathagavarakul, R. et al [Japan]

CP-MI13-9

COMPARISONS OF GENDER-RELATED HEMATOLOGICAL, HORMONAL AND FITNESS INDICES IN YOUTH SWIMMERS
Ou, J. et al [China]

CP-SH11 EXERCISE, COGNITION AND PERFORMANCE I

LECTURE ROOM: FORUM HALL (CP POSTER AREA)

Chair(s):
Ludyga, S. [Switzerland]
Bruce, L. [Australia]

CP-SH11-1

THINK ALoud: UNLOCKING DUATHLETES THOUGHT PROCESSES
McEwan, H. et al [United Kingdom]

CP-SH11-2

HIGH LEVEL FOOTBALL PLAYERS’ ABILITY TO USE IMPACT INFORMATION AS AFFORDANCES FOR ACTION
Beavan, A. et al [Germany]

CP-MI13-10

HYPOTHETICAL MORAL DILEMMAS: IMMORALITY AFFECTS DECISION-MAKING ON HYPOTHETICAL MORAL DILEMMAS
Mrajet-Agulier, R. et al [France]

CP-MI13-11

DEFINING THE ROLE OF LEADING IN IPT: A PERCEPTION OF THE LEADERSHIP ROLE AMONG JAPANESE U17 NATIONAL TEAM COACHES
Weipert, M. et al [Germany]

CP-MI13-12

THE EFFECTIVENESS OF A MENTAL SKILLS INTERVENTION IN JUNIOR HIGH SCHOOL, HIGH SCHOOL, AND UNIVERSITY IN THE JAPANESE SPORTS SETTINGS
Horimoto, N. et al [Japan]

CP-MI13-13

THE EFFECTIVENESS OF AN INTERVENTION TO IMPROVE PERFORMANCE: A POSTER AREA EXPERIENCE
Weipert, M. et al [Germany]

CP-MI13-14
CP-SH11-3
SELF-TALK, AUDITORY DISTRACTION, AND PERFORMANCE ACCURACY IN BASKETBALL FREE-THROW SHOOTING
Warren Friedrich, K. et al [Denmark]
CP-SH11-4
CAN YOU REACH IT? THE INFLUENCE OF TENNIS EXPERIENCE ON PERIPHERAL SPACE
Zavadsko, A. et al [Germany]
CP-SH11-5
EFFECT OF MICROGRAVITY ON BEHAVIORAL AND NEURAL PERFORMANCE
Wollskeifen, P. [Germany]
CP-SH11-6
THE EFFECT OF COMBINED COGNITIVE AND EXERCISE TRAINING ON WORKING MEMORY PERFORMANCE AND BRAIN SIGNAL COMPLEXITY
Guo, G.W. et al [Taiwan]
CP-SH11-7
EFFECTS OF ACUTE AEROBIC EXERCISE ON DELAYED FREE-RECALL PERFORMANCE
Kamino, K. et al [Japan]
CP-SH11-8
INFLUENCE OF EXPERTISE AND GAME TIME ON FOOTBALL REFEREE DECISIONS
Graele, A. et al [Germany]

CP-PM10 ORTHOPEDICS
LECTURE ROOM: FORUM HALL (CP POSTER AREA)
Chair(s):
Niederer, D. [Germany]
Gil, S. [Spain]
CP-PM10-1
EXPOSURE-ADJUSTED INJURY INCIDENCE RATES IN OLYMPIC COMBAT SPORTS: A COMPARATIVE STUDY OF THREE CONSECUTIVE OLYMPIC GAMES
Lystad, R.P. et al [Australia]
CP-PM10-2
VERIFICATION OF POSTURE IMPROVEMENT EFFECT OF PHYSICAL FUNCTION IMPROVEMENT TRAINING AND POSTURE LEARNING
Kudo, S. et al [Japan]
CP-PM10-3
PREVALENCE OF LUMBAR DISC DEGENERATION IN COLLEGIATE RUNNERS
Kudo, Y. et al [Japan]
CP-PM10-4
EFFECT OF A 3-DIMENSIONAL COMBINED EXERCISE INTERVENTION PROGRAM FOR THE REDUCTION OF SCOLIOSIS ANGLE IN PATIENTS WITH ADOLESCENT IDIOPATHIC SCOLIOSIS
Ahn, S. et al [Korea, South]
CP-PM10-5
REVIEW OF SCAPULAR MOVEMENT DISORDERS AMONG ADULTS WITH FORWARD HEAD POSTURE
Angin, E. et al [Cyprus]
CP-PM10-6
THE EFFECTS OF COMPETITION LEVEL ON THE PREVALENCE OF LUMBAR DISC DEGENERATION IN GYMNASTS
Koyama, K. et al [Japan]
CP-PM10-7
PREVALENCE OF CHRONIC ANKLE INSTABILITY IN COLLEGIATE ATHLETES: THE INTERNATIONAL ANKLE CONSORTIUM DIAGNOSED CRITERIA
Udompanich, N. et al [Thailand]
CP-PM10-8
THE CHONDROPROTECTIVE EFFECT OF EARLY PASSIVE MOTION COMBINED WITH INTRA-ARTICULAR PLATELET-RICH PLASMA (PRP) INJECTIONS ON ARTICULAR CARTILAGE AFTER ACUTE ANTERIOR CRUCIATE LIGAMENT RUPTURE
Chunh Hao, L. [Taiwan]
CP-PM10-9
ACUTE EFFECTS OF SELF-MYOFASCIAL RELEASE WITH FOAM ROLLING ON FLEXIBILITY, ARTERIAL STIFFNESS AND AUTONOMIC NERVOUS SYSTEM FUNCTION IN WOMEN
Lee, C. [Korea, South]
CP-SH12 EXERCISE, COGNITION AND PERFORMANCE II
LECTURE ROOM: FORUM HALL (CP POSTER AREA)
Chair(s):
Johansen, B. [Norway]
Latella, C. [Australia]
CP-SH12-1
EFFECT OF DIFFERENT COGNITIVE TASKS ON DUAL-TASK PERFORMANCE
Zhang, L. et al [Japan]
CP-SH12-2
FUNCTIONAL CAPACITY, SKELETAL MUSCLE STRENGTH AND SLEEP QUALITY CORRELATE WITH COGNITIVE FUNCTION IN MULTIPLE SCLEROSIS PATIENTS
Kamiya, C. et al [Cyprus]
CP-SH12-3
THE RELATION BETWEEN PERCEPTUAL-COGNITIVE SKILLS AND EXERCISE FUNCTION IN YOUTH VOLLEYBALL PLAYERS
Namba, H. [Japan]
CP-SH12-4
DOES A MENTAL TASK REQUIRES PHYSICAL PERFORMANCE? THE EFFECT OF THE CONTROL CONDITION
Mangin, T. et al [France]
CP-SH12-5
ASSOCIATION BETWEEN LOCOMOTOR SYNDROME AND COGNITIVE FUNCTION IN COMMUNITY-DWELLING OLDER ADULTS IN JAPAN
Fujita, K. [Japan]
CP-SH12-6
SOMATOSENSORY DYSFUNCTION IN CHILDREN WITH DEVELOPMENTAL COORDINATION DISORDER
Tseng, Y.T. et al [Taiwan]
CP-SH12-7
MEDICATION OF GLOBAL SELF-WORTH ON THE RELATIONSHIP BETWEEN DEVELOPMENTAL COORDINATION DISORDER AND INTERNALIZING PROBLEMS IN GRADE 3 CHILDREN
U, Y.C. et al [Taiwan]
CP-SH12-8
THE EFFECT OF ENVIRONMENTAL CONDITIONS ON DECISION MAKING OF FOOTBALL REFEREE
Scoot, C. et al [United Kingdom]

CP-MI16 APP AND METHOD DEVELOPMENT
LECTURE ROOM: FORUM HALL (CP POSTER AREA)
Chair(s):
Wiesinger, H. [Austria]
CP-MI16-1
VALIDATION OF SMARTPHONE APP VOICE RECOGNITION PHYSICAL ACTIVITY SYSTEMS USING TRI-AXIAL ACCELEROMETER
Fedele, G. et al [Italy]
CP-MI16-2
DEVELOPMENT OF A MACHINE LEARNING METH-OD TO EVALUATE KARATE SKILLS FROM INERTIAL SENSOR DATA
Shimpei, A. et al [Japan]
CP-MI16-3
A MOBILE APPLICATION FOR HOME-BASED EXERCISE INTERVENTION FOR PEOPLE LIVING WITH HIV
Plemen, M. et al [Italy]
CP-MI16-4
VALIDITY AND RELIABILITY OF A SMARTPHONE MOTION ANALYSIS APP FOR LOWER LIMB KINEMATICS DURING RUNNING
Mousavi, S.H. et al [Netherlands]
CP-MI16-5
FAT CONTENT AND MUSCLE QUALITY OF THE QUADRICEPS MUSCLE ASSESSED BY ELECTRICAL IMPEDANCE MYOGRAPHY: CORRELATIONS WITH ULTRASOUND MEASUREMENTS
Longo, S. et al [Italy]
CP-MI16-6
CONTINUOUS MEASUREMENT OF ACETONE RELEASE DURING CYCLING AS A BIOMARKER FOR PHYSIOLOGICAL METABOLIC STATE, A Pilot Study
Kupers, B.A.M. et al [Netherlands]
CP-MI16-7
NIRS ON A FUNCTIONAL SCALE OF 0-100%: ESTABLISHING PRACTICALITY OF THE MOXY MONITOR FOR SPORT SCIENCE
Feldmann, A. et al [Switzerland]
CP-MI16-8
SENSOR-BASED OBJECTIVE MEASUREMENT OF PHYSICAL ACTIVITY IN SWISS ARMED FORCES
Oeschger, R. et al [Switzerland]
CP-MI16-9
THE ESTIMATION OF CACORIC CONSUMPTION ON A NEW ELLIPTICAL MACHINE
Fedele, G. et al [Italy]

CP-MI04 TRAINING AND TESTING III
LECTURE ROOM: FORUM HALL (CP POSTER AREA)
Chair(s):
Dascombe, B. [Australia]
Kristiansen, E. [Denmark]
Fedele, G. et al [Italy]
CP-MI04-1
FINGER AND BALL MOVEMENT AT RELEASE IN RELATION TO ACCURACY IN BASEBALL PITCHING
Kusakasu, A. [Japan]
CP-MI04-2
PERFORMANCE ANALYSIS IN PROFESSIONAL ICE HOCKEY: USING TRACKING DATA TO COMBINE TACTICAL AND PHYSIOLOGICAL ANALYSIS
Kowar, J. et al [France]
CP-MI04-3
QUANTIFYING COLLECTIVE PERFORMANCE IN RUGBY UNION
Saulière, G. et al [France]
Conventional Print Poster Presentations

CP-MI04-4
DOES DIFFERENT FACIAL DIRECTION INFLUENCE THE SWimmer’S HORIZONTAL POSTURE?
Morayama, S. et al [Japan]
CP-MI04-5
ANALYSIS OF FACTORS INFLUENCING THE HEIGHT OF THRUST MOTION IN ARTISTIC SWIMMING
Muro, O. [Japan]
CP-MI04-6
ASYMMETRIES OF MUSCLE STRENGTH IN LOWER LUMB MUSCLE TWITCH DURING STRETCH-SHORTENING CYCLE MOVEMENT IN COLLEGIATE ALPINE SKIERS
Kashiwagi, Y. et al [Japan]
CP-MI04-7
ESTIMATION OF HAND PROPELLIVE FORCES AT FOUR SWIMMING TECHNIQUES USING PRESSURE MEASUREMENT AND UNDERWATER MOTION CAPTURE
Tsunokawa, T. et al [Japan]
CP-MI04-8
THE INFLUENCE OF SKI WIDTH ON PERCEPTUAL CHARACTERISTICS DURING TRAINING IN YOUNG ALPINE SKIERS
SEIFERT, J.G. et al [United States]
CP-MI04-9
LOWER LIMB MUSCLE TWITCH DURING STRETCH-ASYMMETRIES OF MUSCLE STRENGTH IN ALPINE SKIER
SATO, K. et al [Japan]
CP-MI04-10
DOES DIFFERENT FACIAL DIRECTION INFLUENCE THE SWimmer’S HORIZONTAL POSTURE?
Morayama, M. et al [Japan]

CP-PM17 CHILDREN

LECTURE ROOM: FORUM HALL (CP POSTER AREA)
Chair(s):

Vago, P. [Italy]
Segura-Jiménez, V. [Spain]
CP-PM17-1
FOOT STRIKE PATTERNS AND SPRINT PERFORMANCE AMONG INFANTS
Ooto, Y. et al [Japan]

CP-PM17-2
AGE-DIFFERENCES IN TACTICAL BALL-GAME ABILITIES IN JAPANESE ELEMENTARY SCHOOL CHILDREN
Okuda, T. et al [Japan]

CP-PM17-3
FACTORS IMPACTING LEVELS OF TELEVISION VIEWING TIME AND PHYSICAL ACTIVITY GUIDELINES AMONG JAPANESE YOUNG CHILDREN
Hyrushik, K. [Japan]

CP-PM17-4
THE EFFECT OF CRAWLING DURING CHILDHOOD ON CARDIOVASCULAR AND ANTHROPOMETRIC PARAMETERS IN APPARENTLY HEALTHY CHILDREN
Cazorla-González, J. et al [Spain]

CP-PM17-5
STRUCTURED ACTIVE PLAY PROGRAM FOR PRE-SCHOOLERS, STRENGTHENS BALANCE ABILITY
SATO, K. et al [Japan]

CP-PM17-6
IMPACT OF LONGITUDINAL CHANGES IN MENSTRUAL PATTERN AND BODY COMPOSITION ON BONE MINERAL ACCRUAL IN JAPANESE COMPETITIVE GIRL RUNNERS
Kinoshita, N. et al [Japan]

CP-PM17-7
COMPARISONS OF IN-SCHOOL AND OUT-OF-SCHOOL PHYSICAL ACTIVITY AMONG CHINESE JUNIOR MIDDLE SCHOOL ADOLESCENTS
Zhu, Z. et al [China]

CP-PM17-8
LONGITUDINAL CHANGES OF MUSCULOSKELETAL FINDINGS IN ELEMENTARY AND JUNIOR HIGH SCHOOL STUDENTS: A 2-YEAR PROSPECTIVE SURVEY OF MUSCULOSKELETAL EXAMINATION RESULTS
Kasai, Y. et al [Japan]

CP-PM17-9
PREVALENCE OF BACK PAIN IN CHILDREN AND ADOLESCENTS IN RURAL AND URBAN AREAS IN NORTH RHINE-WESTPHALIA (GERMANY)
Fron, K. et al [Germany]

CP-PM17-10
MODELING SOCCER PLAYERS’ TACTICAL EFFICIENCY LEVELS
Bagatin, R. et al [Portugal]

CP-PM18 TEAM SPORTS

LECTURE ROOM: FORUM HALL (CP POSTER AREA)
Chair(s):

Ali, A. [New Zealand]
CP-PM18-1
A STUDY ON KNEE JOINT CONCENTRIC PEAK TORQUE AND STRENGTH ASYMMETRIES IN MEN’S PROFESSIONAL UNDER-23 VOLLEYBALL TEAM
Nikolov, H.r. et al [Bulgaria]

CP-PM18-2
THE RELATIONSHIP BETWEEN THE RANGE OF THE VELOCITY OF BATTED BALLS WHICH WERE PITCHED INTO VARIOUS COURSES AT THE TIME OF BATTING PRACTICE AND THE RESULTS OF GAMES
Sato, N. et al [Japan]

CP-PM18-3
PERFORMANCE DURING EXCLUSIONS IN FEMALE HANDBALL: RESULTS FROM THE 2017 PANAMERICAN CANN CHAMPIONSHIP
Trejo, A. et al [Uruguay]

CP-PM18-4
INFLUENCE OF HALF TIME SCORE, MATCH LOCATION AND SCORING FIRST ON MATCH OUTCOME IN ROLLER HOCKEY
Artóox-Alló, J. et al [Spain]

CP-PM18-5
PERFORMANCE OF THE SHOTS AND GOALS IN AFC FLUTSAL CHAMPIONSHIP 2018
Chen, Y.C. et al [Taiwan]

CP-PM18-6
PERFORMANCE DURING EXCLUSIONS IN FEMALE HANDBALL: RESULTS FROM THE 2017 PANAMERICAN CANN CHAMPIONSHIP
Trejo, A. et al [Uruguay]

CP-PM18-7
PERFORMANCE DURING EXCLUSIONS IN FEMALE HANDBALL: RESULTS FROM THE 2017 PANAMERICAN CANN CHAMPIONSHIP
Trejo, A. et al [Uruguay]

CP-PM18-8
MATCH OUTCOME AND TECHNICAL-TACTICAL PERFORMANCE OF THE PRESENT ASIAN SOCCER-EVIDENCE FROM 2019 AFC ASIAN CUP
GONG, B.N. et al [Spain]

CP-MI07 MIXED II

LECTURE ROOM: FORUM HALL (CP POSTER AREA)
Chair(s):

Hoffmann, U. [Germany]
Mamen, A. [Norway]
CP-MI07-1
THE EFFECT OF GENERAL FATIGUE ON THE CAPABILITY TO MAINTAIN BODY BALANCE
Mazure-Rózycka, J. et al [Poland]

CP-MI07-2
SLEEP PATTERNS OF ELITE SHOOTERS BEFORE AND DURING COMPETITION
LU, J.J. et al [China]

CP-MI07-3
RESPIRATORY TRAINING MODIFIES THE BREATHING PATTERN TOWARDS A MORE EFFICIENT ONE DURING MAXIMAL INCREMENTAL EXERCISE
Ballero, F. et al [Italy]

CP-MI07-4
INFLUENCES OF LONG-TERM SPORTS EXPERIENCE ON THE CORTICAL INHIBITION DURING DUAL-TASK
Fukumoto, H. et al [Japan]

CP-MI07-5
DEVELOPMENT OF STROKE RATE IN ROWING FROM 2013 TO 2018
Altmann, K. [Germany]

CP-MI07-6
CENTRAL OBESITY AND BIOLOGICAL MATURITY AS DETERMINANTS OF THE CENTRE OF PRESSURE PATH LENGTH
Font-Udá, R. et al [Spain]

CP-MI07-7
EFFECT OF FOOT TYPES ON THE WEIGHT-BEARING RESPONSE OF THE FOOT MORPHOLOGY USING PMRI
Maruyama, M. et al [Japan]

CP-MI07-8
CARDIOVASCULAR EFFECTS OF LOAD CARRIAGE IN SOLDIERS: A PILOT STUDY
Larsson, J. et al [Sweden]

CP-MI07-9
EVALUATION OF A GROUP BASED 8-WEEK OUT-DOOR FISHTRAINING ON PHYSIO-LOGICAL PERFORMANCE IN RECREATIONAL ATHLETES
Hendker, A. et al [Germany]

CP-MI07-10
NEUROMUSCULAR RESPONSES DURING A SUSTAINED, ISOMETRIC LEG EXTENSION MUSCLE ACTION AT A CONSTANT PERCEPTION OF EFFORT
Keller, J. et al [United States]

CP-BN10 SPORTS PHYSIOTHERAPY I

LECTURE ROOM: FORUM HALL (CP POSTER AREA)
Chair(s):

Behrens, M. [Germany]
Kux, J. [Germany]

CP-BN10-1
EFFECTS OF THE DIRECTION OF CROSS TAPING OF THE MIDDLE SCALENE MUSCLE ON MUSCLE TONE AND STIFFNESS
Choi, H.S. et al [Korea, South]

CP-BN10-2
EFFECT OF KINESIO TAPING® ON VERTICAL JUMP PERFORMANCE IN JUNIOR TENNIS PLAYERS
ULUSOY, B. et al [Turkey]

CP-BN10-3
THE EFFECTS OF SELF-MYOFASCIAL RELEASE AND STATIC AUTO-STRETCHING EXERCISES IN THE RANGE OF MOTION AND STRENGTH OF TRUNK EXTENORS
FONTA, M. et al [Greece]
CP-BN10-4
FOAM ROLLING AND INDICES OF AUTONOMIC RECOVERY FOLLOWING EXERCISE-INDUCED MUSCLE DAMAGE
Damico, A. et al [United States]

CP-BN10-5
EFFECTS OF TISSUE FLOSSING ON GASTROCNEMIUS MUSCLE EXERTION AND FLEXIBILITY
Kaneda, H. et al [Japan]

CP-BN10-6
EFFECTS OF MASSAGE AND COLD-WATER IMMERSSION AFTER AN EXHAUSTIVE RUNNING SESSION ON PHYSIOLOGICAL AND PSYCHOLOGICAL PARAMETERS IN RUNNERS
Dunabelliet, I. et al [Spain]

CP-BN10-7
IS VIBRATION ROLLING AS A WARM-UP EXERCISE MORE EFFECTIVE TO IMPROVE ON FLEXIBILITY, JOINT PROPRIOCEPTION, MUSCLE STRENGTH, AND DYNAMIC BALANCE COMPARED TO NON-VIBRATION ROLLING AND STATIC STRETCHING?
Lyu, B. [Taiwan]

CP-BN22 AMINO ACIDS, FAT, GLUCOSE AND METABOLISM
LECTURE ROOM: FORUM HALL (CP POSTER AREA)
Chairs:
Traska, C. [Austria]
Gagnon, D. [Canada]

CP-BN22-1
EFFECT OF CARBOHYDRATE INGESTION AFTER MUSCLE GYCOGEN DEPLETION ON HIGH-INTENSITY ENDURANCE PERFORMANCE
Tsukamoto, M. et al [Japan]

CP-BN22-2
THE INFLUENCE OF DIFFERENT AMOUNT OF CARBOHYDRATE DIET INGESTION AFTER EXHAUSTION EXERCISE ON POSTPRANDIAL LIPIDIA
Yang, T. et al [Taiwan]

CP-BN22-3
THE IMPACT OF PRE-EXERCISE CARBOHYDRATE SUPPLEMENTATION WITH HIGH-CONCENTRATION DRINKS ON ENERGY METABOLISM AND EXERCISE INTENSITY IN FEMALE COLLEGIATE ATHLETES
Kimoto, R. et al [Japan]

CP-BN22-4
ACUTE EFFECT OF NUTRITION INTAKE BEFORE OR AFTER RESISTANCE EXERCISE ON MUSCLE BREAKDOWN IN THE MUSCULAR YOUNG MENS
Kume, W. et al [Japan]

CP-BN22-5
THE EFFECTS OF COWS MILK, GOATS MILK, WHEY PROTEIN AND AN ENERGY-MATCHED CARBOHYDRATE DRINK ON RECOVERY FROM REPEATED SPRINTERING AND JUMPING IN TEAM SPORT ATHLETES
Curtiss, M. et al [Ireland]

CP-BN22-6
THE EFFECTS OF CYSTEINE AND GLUTAMINE SUPPLEMENTATION ON GASTROINTESTINAL PERMEABILITY AND SUBJECTIVE FATIGUE IN RESPONSE TO CYCLING EXERCISE IN YOUNG MENS
Iwashita, W. et al [Japan]

CP-BN22-7
INTAKE OF BRANCHED-CHAIN AMINO ACIDS IN COMBINATION WITH ENDURANCE EXERCISE – NO EFFECT ON mRNA EXPRESSION OF PROTEINS REGULATING MITOCHONDRIAL BIOGENESIS
Edhamn, S. et al [Sweden]

CP-BN22-8
AMOUNT, SOURCE AND PATTERN OF DIETARY PROTEIN INTAKE ACROSS THE ADULT LIFESPAN: A CROSS-SECTIONAL STUDY
Smeuninx, B. et al [United Kingdom]

CP-BN23 ENDURANCE METHODS: RECOVERY
LECTURE ROOM: FORUM HALL (CP POSTER AREA)
Chairs:
Rosdahl, H. [Sweden]

CP-BN23-1
DIFFERENCE IN VENTILATION AND CYCLING ECONOMY IN TWO SITTING POSITIONS ON A BIKE
Kvidland, H. et al [Norway]

CP-BN23-2
INDIVIDUAL PHYSICAL WORKING CAPACITY – A NEW METHOD TO DETERMINE PERFORMANCE FROM SUB-MAXIMAL INCREMENTAL EXERCISE
Müller, A. [Austria]

CP-BN23-3
PREDICTING AEROBIC PERFORMANCE ENDURANCE – SAVE TIME AND BLOOD!
Johansen, J. et al [Norway]

CP-BN23-4
PHYSIOLOGICAL DETERMINANTS OF ELITE MOUNTAIN BIKE CROSS-COUNTRY MARATHON PERFORMANCE
Carmo, E.C. et al [Brazil]

CP-BN23-5
EFFECTS OF COLD WATER IMMERSION RECOVERY STRATEGY ON PHYSIOLOGICAL INDEXES AFTER HIGH-INTENSITY INTERMITTENT EXERCISE
Yang, Y. et al [Taiwan]

CP-BN23-6
AN ANALYSIS OF GAME MOVEMENT DEMANDS OF INTERPROVINCIAL WOMEN'S RUGBY UNION CALLANAN, D. et al [Ireland]

CP-BN23-7
DOES HIGH-INTENSITY PRE-LOAD HAVE AN EFFECT ON LACTATE ELIMINATION RATE AFTER CROSS-COUNTRY SKIING SPRINT PERFORMANCE?
Valkun, D. et al [Estonia]

CP-BN23-8
CORRELATION BETWEEN EARLOBE SURFACE TEMPERATURE AND INNER EAR TEMPERATURE IN A HOT ENVIRONMENT
Sato, K. et al [Japan]

CP-BN24 DISEASE AND PHYSICAL ACTIVITY
LECTURE ROOM: FORUM HALL (CP POSTER AREA)
Chairs:
Pérez López, A. [Spain]
Westergren, T. [Norway]

CP-BN24-1
THE USEFULNESS OF ACTIVITY TRACKERS AND HEART RATE MONITORS IN LIFESTYLE MEDICINE – A CASE STUDY
Dvórank, M. et al [Hungary]

CP-BN24-2
THE EFFECTS OF OMEGA-3 FATTY ACIDS SUPPLEMENTATION ON AIRWAY INFLAMMATION IN AMERICAN UNIVERSITY FOOTBALL ATHLETES
Meadows, S. et al [United Kingdom]

CP-BN24-3
THE INFLUENCE OF SHORT TERM STOP-REGULAR-EXERCISE ON CARDIOVASCULAR DISEASE RISK FACTORS IN MEN
Yang, Y. et al [Taiwan]

CP-BN24-4
EXAMINING THE PHYSICAL ACTIVITY OF CHILDREN WITH DIABETES
Balatoni, I. et al [Hungary]

CP-BN25 CARDIOVASCULAR MIXED
LECTURE ROOM: FORUM HALL (CP POSTER AREA)
Chairs:
Crisafulli, A. [Italy]
Colfer, J. [New Zealand]

CP-BN25-1
RELATIONSHIP BETWEEN SKIN-GAS NITRIC OXIDE CONCENTRATION AND CAPILLARY VELOCITY FOLLOWING REPEATED SUBMAXIMAL HANDGRIP EXERCISE.
Eguchi, Y. et al [Japan]
Conventional Print Poster Presentations

**CP-PM25-2**
SHEAR STRESS ON CUTANEOUS CAPILLARY ENDOTHELIUM DURING WHOLE BODY EXERCISE
Toya, Y. et al (Japan)

**CP-PM25-3**
VALIDITY AND RELIABILITY OF CONTINUOUS-WAVE NIRS VS FREQUENCY-DOMAIN NIRS TO MEASURE SKELETAL MUSCLE MICROVASCULAR HEMODYNAMIC AND OXYGEN-UPTAKE KINETICS TO EXERCISE IN NORMAL AND TYPE 2 DIABETES MEN
Rowlands, D.S. et al (New Zealand)

**CP-PM25-4**
EFFECTS OF ELECTRICAL MUSCLE STIMULATION ON COGNITIVE PERFORMANCE AND CEREBRAL PERfusion
Takagi, Y. et al (Japan)

**CP-PM25-5**
INFLUENCE OF INCREMENTAL SHORT-MAXIMAL EXERCISE ON URINARY LIVER-TYPE FATTY ACID-BINDING PROTEIN
Kumamoto, S. et al (Japan)

**CP-PM25-6**
THE INFLUENCE OF VITAMIN D STATUS ON PULSE WAVE VELOCITY FOLLOWING ACUTE MAXIMAL EXERCISE IN ADULTS
Chen, L.A. et al (Taiwan)

**CP-PM25-7**
THE EFFECT OF LOWER-BODY NEGATIVE PRESSURE THERAPY ON THE FUNCTIONAL STATE OF EXCELLENT ROWERS
Binhhong, G. et al (China)

**CP-PM25-8**
THE ASSOCIATIONS BETWEEN THE MENSTRUAL CYCLE AND THE EFFECTS OF ACUTE EXERCISE ON APPETITE-REGULATORY HORMONES AND ENERGY INTAKE
Kamemoto, K. et al (Japan)

**CP-PM25-9**
THE EFFECT OF REGULAR PHYSICAL ACTIVITY ON LEVELS OF NESFATIN-1, NEUROPEPTIDE Y AND CORSISOL IN OBESE MEN
Sadegh Eghbali, F. et al (Iran)

**CP-PM25-10**
INFLUENCE OF GOLF COMPETITION ON THE COR-TISOL HORMONE, STATE ANXIETY, AND CHOSEN UNDER PRESSURE IN JUNIOR GOLFER.
Narktawon, K. et al (Thailand)

**CP-PM25-11**
THE IMMEDIATE EFFECTS OF KINESIOTAPING ON CORTISOL HORMONE, STATE ANXIETY, AND CHOKING UNDER PRESSURE IN JUNIOR GOLFER.
Yigit, B. et al (Turkey)

**CP-PM27 HORMONAL**
LECTURE ROOM: FORUM HALL (CP POSTER AREA)

**Chair(s):**
Franzoni, F. (Italy)

**CP-PM27-1**
SEX HORMONES INFLUENCE IN RESPIRATORY VARIABLES IN FEMALE ATHLETES WITH DIFFERENT HORMONAL PROFILES
Peinado, A.B. et al (Spain)

**CP-PM27-2**
RELATIONSHIP BETWEEN HORMONAL CHANGES AND PHYSICAL PARAMETERS AMONG PREPUBLERTIAL FEMALE HANDBALL PLAYERS
Cseko, A. et al (Hungary)

**CP-PM27-3**
INFLUENCE OF VENTILATORY THRESHOLD INTENSITY TRAINING ON BLOOD 2-ARACHIDONYL-LYCOLER LEVEL
Yamashita, T. et al (Japan)

**CP-PM27-4**
MALE ENDOCRINE ADAPTIVE RESPONSE IN SB SCUBA DIVERS.
Verratti, V. et al (Italy)

**CP-PM27-5**
ALTERATION OF HEART RATE AND BONE MINERAL DENSITY AFTER INTERVAL EXERCISE IN CLONED AND NON-CLONED DOGS
Lee, H.S. et al (Korea, South)

**CP-PM27-6**
IMPACT OF PHYSICAL EXERCISE DURING PREGNANCY ON THE MODULATION OF LIVER ARCHO-NIDRAL FUNCTION IN AN ANIMAL MODEL OF NON-ALCOHOLIC FATTY LIVER DISEASE
Stevanovic, J. et al (Portugal)

**CP-PM27-7**
EVALUATION OF DIET QUALITY; NUTRITION KNOWLEDGE
LECTURE ROOM: FORUM HALL (CP POSTER AREA)

**Chair(s):**
Wardenaar, F. (United States)

**CP-PM26-1**
NEW DIETARY ASSESSMENT TOOL FOR ATHLETES
CAPLING, L. et al (Australia)

**CP-PM26-2**
DEVELOPMENT OF THE ATHLETE DIET INDEX: A NEW DIETARY ASSESSMENT TOOL FOR ATHLETES
Miyazaki, T. et al (Japan)

**CP-PM26-3**
exploring the knowledge-behaviour-attitude model in athletes – a pilot study
Teo, J.H.C. et al (Singapore)

**CP-PM26-4**
THE RELATIONSHIP BETWEEN ARTERIAL STIFFNESS AND INCREASE IN BLOOD PRESSURE DURING EXERCISE IN MIDDLE-AGED OVERWEIGHT AND OBES MEN
Takahashi, K. et al (Japan)

**CP-PM26-5**
THE ASSOCIATION BETWEEN HORMONAL CHANGES AND PHYSICAL PARAMETERS AMONG PREPUBLERTIAL FEMALE HANDBALL PLAYERS
Cseko, A. et al (Hungary)

**CP-PM26-6**
THE IMMEDIATE EFFECTS OF KINESIOTAPING ON CORTISOL HORMONE, STATE ANXIETY, AND CHOKING UNDER PRESSURE IN JUNIOR GOLFER.
Yigit, B. et al (Turkey)

**CP-PM26-7**
THE IMMEDIATE EFFECTS OF KINESIOTAPING ON CORTISOL HORMONE, STATE ANXIETY, AND CHOKING UNDER PRESSURE IN JUNIOR GOLFER.
Yigit, B. et al (Turkey)

**CP-PM26-8**
THE RELATIONSHIP BETWEEN ARTERIAL STIFFNESS AND INCREASE IN BLOOD PRESSURE DURING EXERCISE IN MIDDLE-AGED OVERWEIGHT AND OBES MEN
Takahashi, K. et al (Japan)

**CP-PM27-8**
THE RELATIONSHIP BETWEEN ARTERIAL STIFFNESS AND INCREASE IN BLOOD PRESSURE DURING EXERCISE IN MIDDLE-AGED OVERWEIGHT AND OBES MEN
Takahashi, K. et al (Japan)

**CP-PM27-9**
THE RELATIONSHIP BETWEEN ARTERIAL STIFFNESS AND INCREASE IN BLOOD PRESSURE DURING EXERCISE IN MIDDLE-AGED OVERWEIGHT AND OBES MEN
Takahashi, K. et al (Japan)

**CP-PM27-10**
THE RELATIONSHIP BETWEEN ARTERIAL STIFFNESS AND INCREASE IN BLOOD PRESSURE DURING EXERCISE IN MIDDLE-AGED OVERWEIGHT AND OBES MEN
Takahashi, K. et al (Japan)

**CP-PM27-11**
THE RELATIONSHIP BETWEEN ARTERIAL STIFFNESS AND INCREASE IN BLOOD PRESSURE DURING EXERCISE IN MIDDLE-AGED OVERWEIGHT AND OBES MEN
Takahashi, K. et al (Japan)

**CP-PM28 PHYSIOLOGY AND MEDICINE: MIXED**
LECTURE ROOM: FORUM HALL (CP POSTER AREA)

**Chair(s):**
Wardenaar, F. (United States)

**CP-PM28-1**
ALTERATION OF HEART RATE AND BONE MINERAL DENSITY AFTER INTERVAL EXERCISE IN CLONED AND NON-CLONED DOGS
Lee, H.S. et al (Korea, South)

**CP-PM28-2**
IMPACT OF PHYSICAL EXERCISE DURING PREGNANCY ON THE MODULATION OF LIVER ARCHO-NIDRAL FUNCTION IN AN ANIMAL MODEL OF NON-ALCOHOLIC FATTY LIVER DISEASE
Stevanovic, J. et al (Portugal)

**CP-PM28-3**
THE ASSOCIATION BETWEEN GRIP STRENGTH AND PHYSICAL PARAMETERS AMONG PREPUBLERTIAL FEMALE HANDBALL PLAYERS
Cseko, A. et al (Hungary)

**CP-PM28-4**
THE RELATIONSHIP BETWEEN HORMONAL CHANGES AND PHYSICAL PARAMETERS AMONG PREPUBLERTIAL FEMALE HANDBALL PLAYERS
Cseko, A. et al (Hungary)

**CP-PM28-5**
THE RELATIONSHIP BETWEEN HORMONAL CHANGES AND PHYSICAL PARAMETERS AMONG PREPUBLERTIAL FEMALE HANDBALL PLAYERS
Cseko, A. et al (Hungary)

**CP-PM28-6**
THE RELATIONSHIP BETWEEN HORMONAL CHANGES AND PHYSICAL PARAMETERS AMONG PREPUBLERTIAL FEMALE HANDBALL PLAYERS
Cseko, A. et al (Hungary)

**CP-PM28-7**
THE RELATIONSHIP BETWEEN HORMONAL CHANGES AND PHYSICAL PARAMETERS AMONG PREPUBLERTIAL FEMALE HANDBALL PLAYERS
Cseko, A. et al (Hungary)

**CP-PM28-8**
THE RELATIONSHIP BETWEEN HORMONAL CHANGES AND PHYSICAL PARAMETERS AMONG PREPUBLERTIAL FEMALE HANDBALL PLAYERS
Cseko, A. et al (Hungary)

**CP-PM28-9**
THE RELATIONSHIP BETWEEN HORMONAL CHANGES AND PHYSICAL PARAMETERS AMONG PREPUBLERTIAL FEMALE HANDBALL PLAYERS
Cseko, A. et al (Hungary)

**CP-PM28-10**
THE RELATIONSHIP BETWEEN HORMONAL CHANGES AND PHYSICAL PARAMETERS AMONG PREPUBLERTIAL FEMALE HANDBALL PLAYERS
Cseko, A. et al (Hungary)

**CP-PM28-11**
THE RELATIONSHIP BETWEEN HORMONAL CHANGES AND PHYSICAL PARAMETERS AMONG PREPUBLERTIAL FEMALE HANDBALL PLAYERS
Cseko, A. et al (Hungary)
Saturday, July 6, 2019

**13:45 - 14:45**

**CP-MI05 TRAINING AND TESTING IV**

**LECTURE ROOM: FORUM HALL (CP POSTER AREA)**

**Chair(s):**
Kearney, P. [Ireland]
Duhiq, S. [Australia]

**CP-MI05-1**

THE RELATIVE AGE EFFECT IN HANDBALL: ITS EXISTENCE AND INFLUENCE ON PLAYING POSITION FOR YOUTH AND JUNIOR TEAMS

Alsharji, K. [Kuwait]

**CP-MI05-2**

NEUROMUSCULAR ACTIVATION PATTERN OF LOWER EXTREMITY MUSCLES IN CYCLISTS WITH SINGLE AMPLIQUATION OF LEG DURING PEDALING AT VARIOUS WORKLOADS

Watanabe, K. et al [Japan]

**CP-MI05-3**

ISO-INERTIAL ECCENTRIC-OVERLOAD TRAINING IN YOUNG SOCCER PLAYERS: EFFECTS ON STRENGTH, SPRINT, CHANGE OF DIRECTION PERFORMANCE AND SOCCER SHOOTING PRECISION

Wu, C. et al [Taiwan]

**CP-MI05-4**

LONGITUDINAL CHANGES IN 200-METRE RUNNING PERFORMANCE OF OLYMPIC MEDALLISTS FROM ENTRY TO ELITE LEVEL

Maestu, J. et al [Estonia]

**CP-MI05-5**

INFLUENCE OF TRAJECTORIES IN PHYSIOLOGICAL PARAMETERS DURING RUNNING

Rezende, T.M. et al [Brazil]

**CP-MI05-6**

EFFECTS OF AIMING TRAJECTORY FEEDBACK ON AIR RIFLE SHOOTING

Chuang, Y.H. et al [Taiwan]

**CP-MI14 RUNNING**

**LECTURE ROOM: FORUM HALL (CP POSTER AREA)**

**Chair(s):**
Blazevich, A. [Australia]
León Guerero, P. [Spain]

**CP-MI14-1**

CHARACTERISTICS OF SPRINT RUNNING WITH THE HORIZONTAL RESISTED LOADS

Kitano, Y. et al [Japan]

**CP-MI14-2**

PERFORMANCE DETERMINANTS IN SPRINTING: EFFECTS OF FREQUENCY, JUMP AND STRENGTH ON SPEED IN ADOLESCENT TRACK AND FIELD ATHLETES

Spacken, S. et al [Germany]

**CP-MI14-3**

THE SEVEN STEPS APPROACH ON 110M HURDLES ENHANCE THE PERFORMANCE AFTER APPROACH PHASE

Iwasaki, R. et al [Japan]

**CP-MI14-4**

DOSE-RESPONSE RELATIONSHIP BETWEEN RUNNING TRAINING AND BODY-MASS – EPIDEMIOLOGIC SURVEY OF EXPERIENCED RUNNERS AGED 30 TO 60 YEARS

Rüther, T. et al [Germany]

**CP-MI17 RAQUET SPORTS**

**LECTURE ROOM: FORUM HALL (CP POSTER AREA)**

**Chair(s):**
Viewelhove, T. [Germany]

**CP-MI17-1**

SIMULATION OF THE TRAJECTORY OF SHUTTLECOCK IN BADMINTON

Takasuka, R. et al [Japan]

**CP-MI17-2**

COMPARING MUSCLE ACTIVITY OF DROP VOLLEY AND VOLLEY IN TENNIS

Ryosuke, F. et al [Japan]

**CP-MI17-3**

HAS HYEON CHUNG SERVE PERFORMANCE IMPROVED FROM JUNIOR TO PROFESSIONAL?

Kim, H. [United States]

**CP-MI17-4**

NOTHING VENTURED, NO POINT GAINED—AN ANALYSIS OF BREAKPOINT PERFORMANCE OF TENNIS PLAYERS

Cui, Y. et al [China]

**CP-MI17-5**

KINEMATIC MOTION ANALYSIS OF THREE DIFFERENT SERVICE TYPES IN ELITE JUNIOR TENNIS PLAYERS

Vuong, J. et al [Germany]

**CP-MI17-6**

TRAINING EFFECT OF A 4-WEEKS ADD-ON VISUAL TRAINING PROGRAM ON COLLEGIATE TENNIS PLAYERS

Guadalupe Grau, A. et al [Spain]

**CP-MI17-7**

THE ACUTE EFFECT OF DYNAMIC STRETCHING COMBINED WITH VIBRATION ROLLING DURING WARM-UPS ON SPORTS PERFORMANCE IN BADMINTON PLAYERS

Lin, W. et al [Taiwan]

**CP-MI17-8**

ON THE IDENTIFICATION OF KEY MUSCLES TO TARGET IN FES-ROWING TRAINING

Iglesias-Soler, E. [Spain]

**CP-MI17-9**

PATELLAR TENDON STIFFNESS AND THICKNESS IN ELITE SPRINTER AND ENDURANCE TRACK CYCLISTS USING MYOMETRIC AND ULTRASONOGRAPHIC MEASUREMENTS

Klich, S. et al [Poland]

**CP-MI18 MIXED III**

**LECTURE ROOM: FORUM HALL (CP POSTER AREA)**

**Chair(s):**
Chesnokov, V. [Russia]
Blazevich, A. [Australia]

**CP-MI18-1**

THE EFFECTS OF ENHANCED ABDOMINAL CORE ACTIVATION ON QUADRICEPS MUSCLE TORQUE, TIME TO PEAK TORQUE AND MUSCLE ACTIVATION AT DIFFERENT KNEE FLEXION ANGLES

YUILL, S. et al [Turkey]

**CP-MI18-2**

EFFECTS OF 8-WEEK LIGHT VS. HEAVY TIRE FLIP TRAINING ON PHYSICAL FITNESS OF YOUNG ADULTS

Wong, D.P. et al [China]

**CP-MI18-3**

THE RELATIONSHIP OF AGE AND PERFORMANCE OF NON-PROFESSIONAL MIDDLE-AGED MALE RUNNERS

Iwasaki, R. et al [Japan]

**CP-MI18-4**

THE RELATIONSHIP OF AGE AND PERFORMANCE WITH NEUROMUSCULAR FITNESS OF RECREATIONAL RUNNERS: THE PARADIGM OF ATHENS CLASSIC MARATHON

Barbas, A. et al [Greece]

**CP-MI18-5**

EVALUATION OF SELF-PACED TRACK-TEST ALLOWING TO REACH AND TO ESTIMATE VO2max FROM SUBMAXIMAL SPEED

Volmari, C. et al [Finland]

**CP-MI18-6**

ANALYSIS OF BREAKPOINT PERFORMANCE OF TENNIS PLAYERS

CUI, Y. et al [China]

**CP-MI18-7**

THE APPLICATION OF WEARABLE SMART DEVICE ON THE EVALUATION OF RUNNING ECONOMICS IN DISTANCE RUNNERS

Wu, C. et al [Taiwan]

**CP-MI18-8**

PERFORMANCE DETERMINANTS IN SPRINTING: EFFECTS OF FREQUENCY, JUMP AND STRENGTH ON SPEED IN ADOLESCENT TRACK AND FIELD ATHLETES

Spacken, S. et al [Germany]

**CP-MI18-9**

THE EXECUTION OF TECHNIQUE IN SUCCESSFUL TARGET IN FES-ROWING TRAINING

Kapus, J. et al [Slovenia]

**CP-MI19**

**LECTURE ROOM: FORUM HALL (CP POSTER AREA)**

**Chair(s):**
Wiewelhove, T. [Germany]
Kitano, Y. et al [Japan]

**CP-MI19-1**

ADVANCED SIMULATION OF THE TRAJECTORY OF SHUTTLECOCK IN BADMINTON

Takasuka, R. et al [Japan]

**CP-MI19-2**

THE EFFECTS OF SITTING POSTURE CHANGES ON THE SEVEN STEPS APPROACH ON 110M HURDLES ENHANCE THE PERFORMANCE AFTER APPROACH PHASE

Iwasaki, R. et al [Japan]

**CP-MI19-3**

THE ACUTE EFFECT OF DYNAMIC STRETCHING COMBINED WITH VIBRATION ROLLING DURING WARM-UPS ON SPORTS PERFORMANCE IN BADMINTON PLAYERS

Lin, W. et al [Taiwan]

**CP-MI19-4**

THE ACUTE EFFECT OF DYNAMIC STRETCHING COMBINED WITH VIBRATION ROLLING DURING WARM-UPS ON SPORTS PERFORMANCE IN BADMINTON PLAYERS

Lin, W. et al [Taiwan]

**CP-MI19-5**

THE APPLICATION OF WEARABLE SMART DEVICE ON THE EVALUATION OF RUNNING ECONOMICS IN DISTANCE RUNNERS

Wu, C. et al [Taiwan]

**CP-MI19-6**

THE SEVEN STEPS APPROACH ON 110M HURDLES ENHANCE THE PERFORMANCE AFTER APPROACH PHASE

Iwasaki, R. et al [Japan]

**CP-MI19-7**

THE EXECUTION OF TECHNIQUE IN SUCCESSFUL TARGET IN FES-ROWING TRAINING

Kapus, J. et al [Slovenia]

**CP-MI19-8**

ANALYSIS OF BREAKPOINT PERFORMANCE OF TENNIS PLAYERS

CUI, Y. et al [China]

**CP-MI19-9**

THE APPLICATION OF WEARABLE SMART DEVICE ON THE EVALUATION OF RUNNING ECONOMICS IN DISTANCE RUNNERS

Wu, C. et al [Taiwan]
Conventional Print Poster Presentations

CP-MI08-8
EFFECTS OF ECCENTRIC EXERCISE ON TRAPEZIUS MUSCLE BIOMECHANICAL PROPERTIES ASSESSED BY ULTRASONOGRAPHY AND MYOTONOMETRY
Kisielwicz, A. et al [Poland]

CP-MI08-9
FORCE FREQUENCY CURVE BY NMES IS ASSOCIATED WITH MUSCLE THICKNESS AND MAXIMAL VOLUNTARY CONTRACTION FOR QUADRICEPS FEMORIS
Tornyi, A. et al [Japan]

CP-BN11-6
LANDING ERROR SCORING SYSTEM CALCULATION METHOD CAN MAKE AN IMPORTANT DIFFERENCE!
Honzíkova, I. et al [New Zealand]

CP-BN11-7
-> EFFECT OF FUNCTIONAL PILLOW ON POSTURAL BALANCE, FUNCTIONAL MOVEMENT AND FOOT PRESSURE
Yun, S. et al [Korea, South]

CP-BN11-8
EFFECTS OF MASSAGE AND COLD-WATER IMMERSION AFTER AN EXHAUSTIVE RUNNING SESSION ON RUNNING ECONOMY AND BIOMECHANICAL PARAMETERS: A RANDOMIZED CONTROLLED TRIAL
Duranteletta, I. et al [Spain]

CP-PM14 TALENT / ELITE ATHLETES
Lecture Room: Forum Hall (CP Poster Area)
Chair(s): Smith, M. [Australia]
Blancoqueat, L. [Belgium]

CP-PM14-1
IS BIOLOGICAL MATURATION A KEY PREDICTOR OF YOUTH SOCCER PLAYER'S MANAGEMENT OF TEAM PLAY?
Ribeiro, J. et al [Portugal]

CP-PM14-2
ASTHMA AND ALLERGIES WITH REFERENCE TO PULMONARY FUNCTION, RESPIRATORY SYMPTOMS AND PRESCRIBED MEDICAL TREATMENT IN COMPETITIVE SWIMMERS
Pávinen, M. et al [Finland]

CP-PM14-3
THE RELATIVE AGE EFFECT IN POLAND'S YOUTH VOLLEYBALL
Rubończyk, K. et al [Poland]

CP-PM14-4
SLEEP CHARACTERISTICS OF ELITE ATHLETES: COMPARISON BETWEEN SUBJECTIVE SLEEP QUESTIONNAIRE REPORTS AND OBJECTIVE MEASURES USING MONITORING DEVICE
Kisiel-Cohen, R. et al [Israel]

CP-PM14-5
MOTION ANALYSIS OF ELITE SOCCER GOALKEEPERS
Lipinska, P. et al [Poland]

CP-PM14-6
THE ROLE OF BASKETBALL CLUBS COMPETITIVE LEVEL ON TECHNICAL SKILLS DEVELOPMENT DURING YOUTH: THE INEX PROJECT
Guimarães, E. et al [Portugal]

CP-PM14-7
EFFECTS OF DIET FREE ROUTINE TRAINING ON MOVEMENT QUALITY AND INTENSITY IN ARTISTIC SWIMMERS DURING A 12-WEEK COMPETITION PERIOD
Komori, Y. et al [Japan]

CP-PM14-8
ARE THERE REGIONAL DIFFERENCES IN RELATIVE TERRAIN PERFORMANCE IN THE CROSS-COUNTRY SKI SPRINT PROLOGUE?
Bucher, E. et al [Switzerland]

CP-PM14-9
FASTBREAK CHARACTERISTICS IN U18 WOMEN'S BASKETBALL CHAMPIONSHIP 2018
Chiang, H.Y. et al [Taiwan]

CP-PM14-10
STRUCTURE OF FAST BREAKS IN PROFESSIONAL WOMEN'S BASKETBALL
Lan, Y.C. et al [Taiwan]

CP-PM29 METABOLISM AND OTHER
Lecture Room: Forum Hall (CP Poster Area)
Chair(s): Kaviani, M. [Canada]
Moholdt, T. [Norway]

CP-PM29-1
ROWING BUT NOT MULTIMODAL HIGH-INTENSITY INTERVAL TRAINING REDUCES ALANINE TRANSAMINASE AND ASPARATE TRANSAMINASE IN YOUNG ADULT FEMALES
Brown, E. C. et al [United States]

CP-PM29-2
TYPE 2 DIABETES ELICITS ELEVATED OXYGEN CONSUMPTION AT MAXIMAL RELATIVE FAT OXIDATION AND AT THE GAS EXCHANGE THRESHOLD IN AGING WOMEN.
Paquin, J. et al [Canada]

CP-PM29-3
EXOGENOUS CARBOHYDRATE OXIDATION RATES CAN BE ACCURATELY DETERMINED AFTER 20 MINUTES OF MODERATE INTENSITY ENDURANCE EXERCISE
Podlogar, T. et al [United Kingdom]

CP-PM29-4
CHANGES IN THE GUT MICROBIOTA OF HIGHLY TRAINED DISTANCE RUNNERS DURING A SUMMER TRAINING CAMP IN A HOT ENVIRONMENT
Matsu, K. et al [Japan]

CP-PM29-5
EFFECTS OF ACUTE ENDURANCE EXERCISE PERFORMED IN THE MORNING AND EVENING ON 24-H INTERSTITIAL FLUID GLUCOSE LEVELS
Kim, H.K. et al [Japan]

CP-PM29-6
EFFECTS OF HIGH INTENSITY INTERVAL TRAINING (HIIT) AND RESISTANCE TRAINING ON Plasma ANTIOXIDANT ACTIVITY
Fusi, J. et al [Italy]

CP-PM29-7
EFFECTS OF BODY FAT PERCENTAGE ON MAXIMUM POWER, FATIGUE INDEX AND BLOOD LACTATE CONCENTRATION IN TWO CONSECUTIVE WINGATE TESTS.
CostaLezada, A. et al [Spain]

CP-PM29-8
IMPACT OF WEARING COMPRESSION GARMENT STOCKINGS ON HEMODYNAMICS IN LOWER LIMBS DURING PROLONGED SITTING
Horiuchi, M. et al [Japan]

CP-PM29-9
METABOLIC RESPONSES TO A MAXIMAL EATING OCCASION
Hengst, A. et al [United Kingdom]

CP-MI11 COMBAT SPORTS
Lecture Room: Forum Hall (CP Poster Area)
Chair(s): Baudry, S. [Belgium]
Kux, J. [Germany]

CP-MI11-1
MUSCLE FATIGUE IN THE MUAY THAI TRAINING Magnani, S. et al [Italy]

CP-MI11-2
RELATIVE OVERHEAD PRESS CORRELLATES WITH JAB PUNCH VELOCITY, BUT NOT CROSS PUNCH VELOCITY IN MALE BOXERS
Pàdecký, J. et al [Czech Republic]

CP-MI11-3
DIFFERENCES BETWEEN MALE AND FEMALE WRESTLERS IN THE EFFECTIVENESS OF SET UP ON LEG ATTACK SUCCESS
Ito, S. et al [Japan]

CP-MI11-4
SPECIFIC TEST AND STANDARDS FOR DETECTING THE RESPONSE TIME AND THE PRECISION OF THAI AMATEUR BOXER'S PUNCHES
Rivermuela, P. et al [Thailand]

CP-MI11-5
PACKING A PUNCH: PHYSICAL STRENGTH AND POWER CHARACTERISTICS ASSOCIATED WITH DELIVERING FORCEFUL DAMAGING PUNCHES
Dunn, E.C. et al [Australia]

CP-MI11-6
FACTOR STRUCTURE OF GENERAL MOTOR AND KARATE SPECIFIC FITNESS TESTS IN MALE KARATE ATHLETES
Heazlewood, I. et al [Australia]
APPLICATION OF A TOPICAL WARMING PRODUCT
CHANGES OF SKIN CHARACTERISTICS AFTER AN
CP-PM30-6
Fukuhara, K. [Japan]

THERMOGULAR RESPONSE OF LOWER LIMB
CP-PM30-7
CENTS WITH LEARNING DISABILITIES
PERFORMANCE AND ATTENTION IN ADOLE-
UNICYCLE RIDING COURSES ENHANCE MOTOR
SCHIPMAN, J. et al [France]

CHAIR(s): LECTURE ROOM: FORUM HALL (CP POSTER AREA)

GABRYS, T. et al [Poland]

TRAINING IN JUDO
THE WINGATE TEST IN THE DIAGNOSIS OF THE
Gunduz, S. et al [Turkey]

ATHLETES
PHYSIOLOGICAL AND KINEMATIC RESPONSE TO
WITTELSBERGER, R. et al [Germany]

ING IMPROVES SPRINT INTERVAL EXERCISE PER-
Vaisberg, M. et al [Brazil]

ELITE ATHLETES OF BRAZILIAN FEMALE SOCCER.
ELIFT BETWEEN PERFORMANCE OF THE DIS-
Nakamura, M. et al [Japan]

THE WINGATE TEST IN THE DIAGNOSIS OF THE
Nakamura, M. et al [Japan]

PHYSIOLOGICAL AND KINEMATIC RESPONSE TO
Vaisberg, M. et al [Brazil]

EXERCISE IN HOT ENVIRONMENT
ACUTE RECOVERY PERIOD AFTER ENDURANCE
Nakamura, M. et al [Japan]

EXERCISE IN HOT ENVIRONMENT
ACUTE RECOVERY PERIOD AFTER ENDURANCE
Nakamura, M. et al [Japan]

EFFECTS OF MILD DEHYDRATION ON ARCHERY
APHAMIS, G. et al [Cyprus]

DIFFERENCES IN THE SYSTEMIC REDOX INDEX
AFTER EXPOSURE TO PARTICULATE MATTER AND
OZONE IN STREET RUNNERS
Vaisberg, M. et al [Brazil]

EFFECTS OF DIFFERENT PEDALING CADENCES ON
MOtor-COGNITIVE DUAL-TASK PERFORMANCES
AND CARDIO-RESPIRATORY RESPONSES
ISHIDA, K. et al [Japan]

24TH ANNUAL ECSS CONGRESS PRAGUE/CZECH
REPUBLIC, JULY 3-6, 2019 HEALTH BENEFITS OF
A REGULAR PHYSICAL ACTIVITY PROGRAM IN
UNIVERSITY STUDENTS GYEBROVSKII ADAMI,
GARAI KOTTI, KYELL KRISZTIANS, ADAM
GYEBROVSKII, A (Hungary)

EFFECTS OF ACUTE EXERCISE WITH DIFFERENT
PERCEIVED EXERTION ON CARDIO-PULMONARY
FITNESS AND ENJOYMENT IN SEDENTARY MEN
LEE, C.L. et al [Taiwan]

IN WHICH PHASE OF SQUAT EXERCISES CAN AC-
TIVATE THE ABDOMINAL CORE MUSCLES MORE?
DESCENDING, STATIC, OR ASCENDING PHASE?
Gunduz, S. et al [Turkey]

THREE-YEAR LONGITUDINAL TRANSFORMATION
OF SPRINT MOTION CAUSED BY AWKWARDNESS
THREE-YEAR LONGITUDINAL TRANSFORMATION
OF SPRINT MOTION CAUSED BY AWKWARDNESS
Kokudo, S. et al [Japan]

INDIVIDUAL ANALYSIS OF MOVEMENT COORDI-
NATION IN PISTOL SHOOTING
CHEN, H.H. et al [Taiwan]

ARE THERE DIFFERENCES BETWEEN THE LEAD
LIMBS DURING BLOCK JUMP-LANDING IN DIFF-
ERENT DIRECTIONS?
Mercado-Palomino, E. et al [Spain]

LECTURE ROOM: FORUM HALL (CP POSTER AREA)
CHAIR(s): LECTURE ROOM: FORUM HALL (CP POSTER AREA)

LECTURE ROOM: FORUM HALL (CP POSTER AREA)
CHAIR(s): LECTURE ROOM: FORUM HALL (CP POSTER AREA)

LECTURE ROOM: FORUM HALL (CP POSTER AREA)
CHAIR(s): LECTURE ROOM: FORUM HALL (CP POSTER AREA)
**Conventional Print Poster Presentations**

**CP-SH13-10**
**INFLUENCE OF SOCIAL SUPPORT ON EMOTIONAL REGULATION AMONG JAPANESE UNIVERSITY ATHLETES**
Maki, Y. et al (Japan)

**CP-PM32 CARDIOVASCULAR: YOUNG**

<table>
<thead>
<tr>
<th>Lecture Room: Forum Hall</th>
<th>Chair(s): Haapala, E. (Finland)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP-PM32-1</td>
<td>EFFECTS OF UPPER-BODY RESISTANCE TRAINING VS. LOWER-BODY RESISTANCE TRAINING ON CENTRAL AND PERIPHERAL ARTERY STIFFNESS IN YOUNG ADULTS</td>
</tr>
<tr>
<td>Kim, J. et al (Korea, South)</td>
<td></td>
</tr>
<tr>
<td>CP-PM32-2</td>
<td>PREVALENCE OF ARTERIAL HYPERTENSION AND ABNORMALITIES IN ECHOCARDIOGRAPHY IN YOUNG STUDENTS</td>
</tr>
<tr>
<td>Reiner, B. et al (Germany)</td>
<td></td>
</tr>
<tr>
<td>CP-PM32-3</td>
<td>RELATIONSHIP BETWEEN VASCULAR COMPLIANCE AND BODY COMPOSITION, PHYSICAL FITNESS, AND DIETARY HABITS IN YOUNG PEOPLE: FOCUS ON THE DIFFERENCE BETWEEN VEIN AND ARTERY</td>
</tr>
<tr>
<td>Maeda, K. et al (Japan)</td>
<td></td>
</tr>
<tr>
<td>CP-PM32-4</td>
<td>ASSOCIATIONS OF ANTHROPOMETRIC MEASURES AND FITNESS STATUS WITH CARDIOVASCULAR PARAMETERS IN PRIMARY SCHOOL CHILDREN</td>
</tr>
<tr>
<td>Kirchhuebel, H. et al (Germany)</td>
<td></td>
</tr>
<tr>
<td>CP-PM32-5</td>
<td>AN INTER-RELATIONSHIP BETWEEN CARDIOVASCULAR AND POSTURAL SYSTEMS IN APPARENTLY HEALTHY CHILDREN</td>
</tr>
<tr>
<td>Prats-Puig, A. et al (Spain)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Poster Area: Lecture Hall</th>
<th>Chair(s): Haapala, E. (Finland)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP-PM32-6</td>
<td>EVALUATION OF CEREBRAL OXYGENATION IN MODERATE AND HIGH-INTENSITY CONSTANT-LOAD EXERCISE IN YOUNG ADULTS</td>
</tr>
<tr>
<td>Pinna, V. et al (Italy)</td>
<td></td>
</tr>
<tr>
<td>CP-PM32-7</td>
<td>AEROBIC FITNESS: INFLUENCE ON CARDIOVASCULAR HEALTH AND CARDIAC AUTONOMIC CONTROL IN YOUNG COLLEGE STUDENTS</td>
</tr>
<tr>
<td>de Sousa, A.P.M. et al (Brazil)</td>
<td></td>
</tr>
<tr>
<td>CP-PM32-8</td>
<td>HIGHER GOLF SKILL WAS CHARACTERIZED BY PSYCHOMOTOR REFINEMENT IN COGNITIVE, ATTENTIONAL AND MOTOR CONTROL PROCESSES</td>
</tr>
<tr>
<td>Hung, T.M. et al (Taiwan)</td>
<td></td>
</tr>
<tr>
<td>CP-PM32-9</td>
<td>HOW DO AGE, SPORTS DISCIPLINE AND SCOPE OF TRAINING INFLUENCE SELECTED CARDIO-PULMONARY EXERCISE PARAMETERS IN YOUNG ATHLETES?</td>
</tr>
<tr>
<td>Appel, K. et al (Germany)</td>
<td></td>
</tr>
<tr>
<td>Title</td>
<td>Authors</td>
</tr>
<tr>
<td>-------</td>
<td>---------</td>
</tr>
<tr>
<td><strong>EP-UD01-447</strong>&lt;br&gt;HEMATOCYTE GROWTH FACTOR (HGF) LEVEL AFTER 9 WEEKS OF CROSSFIT AND OTHER FORMS OF HIGH INTENSIVE TRAINING IN YOUNG MEN&lt;br&gt;Wu, S.K. et al (Taiwan)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-75</strong>&lt;br&gt;MENTAL HEALTH ASSESSMENT OF JAPANESE FOOTBALL REFEREES&lt;br&gt;Murakami, K. et al (Japan)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-80</strong>&lt;br&gt;RESISTANCE AND AEROBIC EXERCISE PRODUCE DISTINCT MOLECULAR AND NEUROCOGNITIVE EFFECTS IN PATIENTS WITH MILD COGNITIVE IMPAIRMENT&lt;br&gt;Tso, C. (Taiwan)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-84</strong>&lt;br&gt;DO PEOPLE WHO EXPERIENCE FEAR OF FALLING REDUCE THE AMOUNT OF PHYSICAL EXERCISE THEY DO? A PILOT STUDY&lt;br&gt;Dimakopoulou, E. et al (Greece)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-93</strong>&lt;br&gt;CHILDREN’S AFTER SCHOOL SPORTS PARTICIPATION: ASSOCIATION OF PARENTAL ATTITUDES AND CHILDREN’S SEDENTARY BEHAVIOR&lt;br&gt;Cheung, P. (Hong Kong)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-106</strong>&lt;br&gt;THE EFFECT OF STUDENTS’ INTENTIONS TO TAKE A BASKETBALL CLASS ON THEIR SHOOTING SKILLS AND LEARNING EFFECTS&lt;br&gt;Konno, R. (Japan)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-127</strong>&lt;br&gt;THE EFFECT OF DART TRAINING ON COGNITIVE FUNCTION OF ELDERLY PEOPLE&lt;br&gt;Kazuma, F. et al (Japan)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-128</strong>&lt;br&gt;APPLICATION RESEARCH OF HRV AND SPORTS PSYCHOLOGY INDEX TO MONITOR SPORTS FATIGUE OF BOXING ATHLETES&lt;br&gt;Wang, J.H. et al (Taiwan)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-130</strong>&lt;br&gt;PSYCHOLOGICAL INTERVENTION IN MARATHON RUNNERS: MANAGING NEGATIVE SITUATIONS&lt;br&gt;Renfree, A. et al (United Kingdom)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-133</strong>&lt;br&gt;DOPAMINE ACTIVITY IN THE HIPPOCAMPUS OF ELITE FEMALE ATHLETE HAVING ANOREXIA NERVOSA&lt;br&gt;Wang, J.H. et al (Taiwan)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-134</strong>&lt;br&gt;DOPE TESTING AND THE ELITE FEMALE ATHLETE: WHAT THE ELITE FEMALE ATHLETE THINKS&lt;br&gt;Yamada, Y. et al (Japan)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-137</strong>&lt;br&gt;THE ASSOCIATION BETWEEN ENERGY BALANCE RELATED BEHAVIOUR AND BURN-OUT IN ADULTS: A SYSTEMATIC SCOPING REVIEW&lt;br&gt;Verhavert, Y. et al (Belgium)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-154</strong>&lt;br&gt;MUTATION FOR ALZHEIMER’S DISEASE IN MINIPIG CARRYING THE HUMAN APP BEHAVIORAL CHANGES IN TRANSGENIC MINIPIG CARRYING THE HUMAN APP BEHAVIORAL CHANGES IN TRANSGENIC&lt;br&gt;Katagami, E. (Japan)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-163</strong>&lt;br&gt;THE RELATIONSHIP BETWEEN ERROR MONITORING AND COOPERATIVE LEVELS IN ATHLETES WITH DIFFERENT GROUP SIZES: FROM THE PERSPECTIVES OF NEUROCOGNITIVE PERFORMANCE&lt;br&gt;Ruo-Wei, L. et al (Taiwan)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-188</strong>&lt;br&gt;EXAMINING EMOTIONAL FACIAL EXPRESSIONS IN VOLLEYBALL&lt;br&gt;Vago, P. et al (Italy)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-196</strong>&lt;br&gt;CONSIDERATION OF CAUSAL RELATION BETWEEN INDUSTRY AND EXERCISE COMPETENCE IN FOURTH GRADE PE BALL GAME UNITS&lt;br&gt;Murase, K. et al (Japan)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-206</strong>&lt;br&gt;THE RELATIONSHIP BETWEEN ERROR RESPONSE ION TASK AND NEUROMUSCULAR AND GAIT BALANCE RELATED BEHAVIOUR AND INHIBITION FROM A BEHAVIORAL APPROACH&lt;br&gt;Oh, H. et al (Korea, South)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-234</strong>&lt;br&gt;«PHYSICAL ACTIVITY HAS BECOME FUN» - ENHANCED MOTIVATION THROUGH A PLAY-BASED EXERCISE INTERVENTION IN ADOLESCENTS WITH ASTHMA&lt;br&gt;Brinjulfsen, T. et al (Norway)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-260</strong>&lt;br&gt;SPORTS PSYCHOLOGY INVENTORY&lt;br&gt;Yamada, Y. et al (Japan)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-285</strong>&lt;br&gt;THE RELATIONSHIP BETWEEN ERROR RESPONSE ION TASK AND NEUROMUSCULAR AND GAIT BALANCE RELATED BEHAVIOUR AND INHIBITION FROM A BEHAVIORAL APPROACH&lt;br&gt;Oh, H. et al (Korea, South)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-308</strong>&lt;br&gt;THE ASSOCIATION BETWEEN PHYSICAL ACTIVITY AND PRIMARY DYSMENORRHEA IN YOUNG JAPANESE WOMEN&lt;br&gt;Usui, C. et al (Japan)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-34</strong>&lt;br&gt;THE EFFECT OF MODERATE AEROBIC EXERCISE ON COGNITIVE LEARNING DURING A DUAL N-BACK TASK&lt;br&gt;Lin, M. et al (Taiwan)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-398</strong>&lt;br&gt;THE ASSOCIATION BETWEEN PHYSICAL ACTIVITY, SLEEP, AND CAROTID ARTERY FUNCTION IN OLDER ADULTS.&lt;br&gt;Renfree, A. et al (United Kingdom)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-447</strong>&lt;br&gt;HIPPOCAMPUS SPECIFIC ATTENTIONAL RESOURCE ALLOCATIONS AMONG DIFFERENT BALL SPORT ATHLETES&lt;br&gt;Bukvic, Z. et al (United States)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-461</strong>&lt;br&gt;SOCIAL SUPPORT FOR JAPANESE ATHLETES&lt;br&gt;Kiragawa, E. (Japan)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-468</strong>&lt;br&gt;SOCIAL SUPPORT FOR JAPANESE ATHLETES&lt;br&gt;Kiragawa, E. (Japan)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-480</strong>&lt;br&gt;MARATHON RUNNERS: MANAGING NEGATIVE SITUATIONS&lt;br&gt;Renfree, A. et al (United Kingdom)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-52</strong>&lt;br&gt;THE RELATIONSHIP BETWEEN ERROR RESPONSE ION TASK AND NEUROMUSCULAR AND GAIT BALANCE RELATED BEHAVIOUR AND INHIBITION FROM A BEHAVIORAL APPROACH&lt;br&gt;Oh, H. et al (Korea, South)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-75</strong>&lt;br&gt;MENTAL HEALTH ASSESSMENT OF JAPANESE FOOTBALL REFEREES&lt;br&gt;Murakami, K. et al (Japan)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-80</strong>&lt;br&gt;RESISTANCE AND AEROBIC EXERCISE PRODUCE DISTINCT MOLECULAR AND NEUROCOGNITIVE EFFECTS IN PATIENTS WITH MILD COGNITIVE IMPAIRMENT&lt;br&gt;Tso, C. (Taiwan)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-84</strong>&lt;br&gt;DO PEOPLE WHO EXPERIENCE FEAR OF FALLING REDUCE THE AMOUNT OF PHYSICAL EXERCISE THEY DO? A PILOT STUDY&lt;br&gt;Dimakopoulou, E. et al (Greece)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-93</strong>&lt;br&gt;CHILDREN’S AFTER SCHOOL SPORTS PARTICIPATION: ASSOCIATION OF PARENTAL ATTITUDES AND CHILDREN’S SEDENTARY BEHAVIOR&lt;br&gt;Cheung, P. (Hong Kong)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-106</strong>&lt;br&gt;THE EFFECT OF STUDENTS’ INTENTIONS TO TAKE A BASKETBALL CLASS ON THEIR SHOOTING SKILLS AND LEARNING EFFECTS&lt;br&gt;Konno, R. (Japan)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-127</strong>&lt;br&gt;THE EFFECT OF DART TRAINING ON COGNITIVE FUNCTION OF ELDERLY PEOPLE&lt;br&gt;Kazuma, F. et al (Japan)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-128</strong>&lt;br&gt;APPLICATION RESEARCH OF HRV AND SPORTS PSYCHOLOGY INDEX TO MONITOR SPORTS FATIGUE OF BOXING ATHLETES&lt;br&gt;Wang, J.H. et al (Taiwan)</td>
<td></td>
</tr>
<tr>
<td><strong>EP-UD01-130</strong>&lt;br&gt;PSYCHOLOGICAL INTERVENTION IN MARATHON RUNNERS: MANAGING NEGATIVE SITUATIONS&lt;br&gt;Renfree, A. et al (United Kingdom)</td>
<td></td>
</tr>
</tbody>
</table>
EXTREMITY MUSCLE STRENGTH AND FUNCTION OF OLDER ADULTS
Nakatani, T. et al (Japan)

EP-UD01-81
ON THE CHANGES IN BRAIN WAVES AND COGNITIVE FUNCTIONS CAUSED BY THE LOW AND HIGH-INTENSITY TRANSIENT EXERCISE
Nakajima, S. (Japan)

EP-UD01-87
EFFECTS OF PYKOMETRY TRAINING INTRODUCED IN MIDDLE SCHOOL PHYSICAL EDUCATION CLASSES
Terado, K. et al (Japan)

EP-UD01-92
MARATHON TIME PREDICTION USING EP-UD01-95
ADACHI, T. et al (Japan)

EP-UD01-98
ASSOCIATION OF LOWER LIMB MUSCLE ACTIVITIES WITH INCREASED METABOLIC RATE DURING UPHILL SLOPE RUNNING AT A CONSTANT HIGH GRADIENT
Hirakoiba, K. et al (Japan)

EP-UD01-98
RELATIONSHIPS BETWEEN RATE OF DECLINE IN SPEED IN SPRINT AND FORWARD HEAD POSTURE IN 9-12 YEARS OLD CHILDREN.
Suzuki, K. et al (Japan)

EP-UD01-100
TEST-RETEST RELIABILITY OF ISOKINETIC KNEE TESTING USING THE NOVEL ISOKINETIC SMM WOMEN'S DYNAMOMETER
Kambic, T. et al (Slovenia)

EP-UD01-103
PERFORMANCE AND PROGRESSION OF NEW ZEALAND'S ADOLESCENT BACK-STROKE SWIMMERS.
Alshohdhi, K. et al (New Zealand)

EP-UD01-104
STUDY OF PEAK TORQUE, TOTAL WORK, H/Q AND R/R RATIO IN MODERN PEN-TATHLON ATHLETES
Yoon, J.R. (Korea, South)

EP-UD01-110
IMPACT OF PRECAUTIONS COMPLIANCE ON BODY COMPOSITION MEASUREMENT BY SEGMENTAL BIOELECTRICAL IMPEDANCE ANALYSIS
choaeun, C. (Korea, South)

EP-UD01-118
A ONE-WEEK EUROPEAN ALPINE TREK ENHANCES AEROBIC FITNESS BUT NOT LEG POWER OR LEG STRENGTH
Ramsbottom, R. et al (United Kingdom)

EP-UD01-127
THE 2018 MARATHON WORLD RECORD SHOWS THE POSITIVE ASYMMETRY PACING STRATEGY EFFECTIVENESS
Polacin, F. et al (France)

EP-UD01-132
THE COMPARISON OF PHYSICAL AND PERFORMANCE CHARACTERISTICS OF JAPANESE AMERICAN COLLEGIATE FOOTBALL PLAYERS BY DIVISIONAL LEVEL
Iguchi, J. et al (Japan)

EP-UD01-139
COMPARISON OF PEAK FORCE AND RATE OF FORCE DEVELOPMENT DURING THE UNILATERAL AND BLATERAL HANG POWER CLEAN
Hayashi, R. et al (Japan)

EP-UD01-162
AN EMPIRICAL STUDY ON THE EFFECT OF KAATSU TRAINING OF ELITE HAND-BALL PLAYER
CHEN, C. et al (China)

EP-UD01-164
PERFORMANCE ASSESSMENT OF YOUTH BALL-SPORT PLAYERS
Pucsko, J.M. et al (Hungary)

EP-UD01-167
RUNNING VELOCITY AT LACTATE THRESHOLD: DETERMINING FACTORS AND RELATIONSHIPS IN WELL-TRAINED AND ELITE RUNNERS.
Star, E. et al (Norway)

EP-UD01-169
THE RELATIONSHIP BETWEEN FOOTGROUND CONTACT POSITION AND MUSCLE ACTIVITY IN LEG PRESS
ARIYOSHI, K. (Japan)

EP-UD01-185
THE EFFECT OF INTERMITTENT HYPOXIC RESISTANCE TRAINING ON MUSCLE HYPERSTROPHY AND STRENGTH
Athwaters, M.H. et al (United Kingdom)

EP-UD01-187
THE RELATIONSHIP BETWEEN FUNCTIONAL SINGLE-LEG HOP STABILIZATION TEST AND FATIGUE TESTING IN MARTIAL ARTS AND TEAM SPORT YOUNG MALE ATHLETES.
Pedak, K. et al (Estonia)

EP-UD01-195
RELATIONSHIP BETWEEN TOE GRIP STRENGTH AND SINGLE-LEG JUMP AND DOUBLE-LEG JUMP IN KENDO ATHLETES
Sanomura, M. et al (Japan)

EP-UD01-204
EXERCISE INTENSITY ANALYSIS OF HIGH-INTENSITY INTERVAL TRAINING
Liu, C.M. et al (Taiwan)

EP-UD01-210
EFFECTS OF TRIBX TRAINING IN MUSCLE STRENGTHENING AND MUSCLE FIRING IN UPPER EXTREMITY
Lin, H.T. et al (Taiwan)

EP-UD01-212
EFFECT OF ARTIFICIAL CO2 RICH COLD WATER IMERSION ON REPEATED CYCLING WORK EFFICIENCY AND SPONT PERFORMANCE
Fukuoka, Y. et al (Japan)

EP-UD01-213
THE RESULT OF CROSSFIT TRAINING METHOD FOR SHANGHAI FEMALE WEIGHT-LIFTING TEAM
chen, s. (China)

EP-UD01-220
LONG-TERM EFFECT OF TWO-TYPE EXERCISE CAPACITY ON MUSCLE STRENGTH AND ENDURANCE PERFORMANCE IN ELDERLY ADULTS
mohammed, r. (Iraq)

EP-UD01-221
UPPER- AND LOWER-BODY STRENGTH, POWER AND VELOCITY CHARACTERISTICS IN ELITE RUGBY LEAGUE PLAYERS AND THE INFLUENCE OF PLAYING STANDARD: A CASE STUDY
Fernandes, J.F.T. et al (United Kingdom)

EP-UD01-225
THE EFFECT OF INTERMITTENT HYPOXIC RESISTANCE TRAINING ON MUSCLE HYPERSTROPHY AND STRENGTH
Athwaters, M.H. et al (United Kingdom)

EP-UD01-228
THE DIFFERENT EFFECT OF TREADMILL SPRINTING AND LONG DISTANCE RUNNERS.
Nakajima, S. (Japan)

EP-UD01-230
COMPARISON OF PHYSIOLOGICAL STRESSES BETWEEN THE FRONT AND THE REAR SADDLE CYCLIST IN A TWO-HOUR ENDURANCE RACING/BICYCLE RACE
Ondorea, S. et al (Japan)

EP-UD01-231
EFFECTS OF ECCENTRIC EXERCISE-INDUCED MUSCLE DAMAGE ON MUSCLE-STANCE BEHAVIOUR FOR KNEE EXTENSORS AND ELBOW FLEXORS.
Lin, K.X. et al (Taiwan)

EP-UD01-236
EFFECT OF TRAINING AMOUNT AND INTENSITY ON COUNTER-MOVEMENT JUMPING PERFORMANCE IN FEMALE COLLEGIATE VOLLEYBALL PLAYERS
Yokozawa, S. et al (Japan)

EP-UD01-237
CONTRIBUTION SOMATOTYPES INDICATORS IN PREDICTING PERFORMANCE IN ELITE MALE VOLLEYBALL
Noutsos, K. et al (Greece)

EP-UD01-245
THE INFLUENCE OF FATIGUE ON COGNITIVE REACTIONS IN YOUNG BASKETBALL PLAYERS
Mikolajec, K. et al (Poland)

EP-UD01-250
COMPARATIVE ANALYTICAL STUDY OF THE APPROACH STAGE TO PERFORM THE SPIKE SKILL OF THE VOLLEYBALL GAME AND ITS RELATIONSHIP TO ACCURACY
Pyne, D. et al (Australia)

EP-UD01-255
KINEMATIC CHARACTERISTICS OF TWO TYPES OF INSTEP KICKING IN FEMALE SOCCER PLAYERS
Sakamoto, K. (Japan)

EP-UD01-264
THE Spike SKILL OF THE VOLLEYBALL PLAYERS.
Kumagawa, D. et al (Japan)

EP-UD01-280
The CONTRIBUTION somatotypes indica- tors in predicting performance in elite male volleyball
Noutsos, K. et al (Greece)

EP-UD01-281
MAXIMAL AND SUB-MAXIMAL RUNNING PERFORMANCE IN JAPANESE COLLEGIATE ENDURANCE Athletes
Kumagawa, D. et al (Japan)

EP-UD01-284
CHANGES IN THE VERTICAL JUMP BILATERAL DEFICIT FOLLOWING SHORT-TERM UNILATERAL VS. BILATERAL PYKOMETRIC TRAINING
Bogdanis, G.C. et al (Greece)

EP-UD01-288
THE EFFECT OF THE TRANSITION PERIOD ON THE ANTHROPOMETRIC AND PERFORMANCE PARAMETERS IN ELITE FEMALE SOCCER PLAYERS.
Parpa, K. et al (Cyprus)

EP-UD01-291
COMBINED PASSIVE AND ACTIVE HEAT EXPOSURE TO ENHANCE RUNNING PERFORMANCE IN WINTER-BASED TEAM SPORTS
Pyne, D. et al (Australia)

EP-UD01-298
THE EFFECT OF THE transition period on the anthropometric and performance parameters in elite female soccer players.
Parpa, K. et al (Cyprus)
**Effectiveness of Polarized versus Threshold Training on Neuromuscular Variables in Ultrarunners**
Pérez-Hernández, A. et al [Spain]

**Ep-UD01-313**

**Predictive Value of Leg Length-Normalized Agility T-Test in Collegiate Combat Athletes**
Wang, I.H. et al [Taiwan]

**Ep-UD01-320**

**Examination of Decision-Making Skills Between Professionals**
Laki, A. et al [Hungary]

**Ep-UD01-326**

**Anthropometric and Body Composition of the Women’s National Team and of the U15 Elite Players in Handball**
Tórnai, Zs. et al [Hungary]

**Ep-UD01-331**

**Study of the Predictive Power of Two Laboratory Exercise Tests for Short Trail Running Performance**
Hody, S. et al [Belgium]

**Ep-UD01-341**

**Anthropometry and Heart Rate Influence on Swimming Performance of Adolescent Athletes of Water Sports**
Almás, G. et al [Hungary]

**Ep-UD01-343**

**Longitudinal Study on Physique and Motor Ability and Conditioning Support of Female Collegiate Badminton Players in Japan**
Watanabe, E. et al [Japan]

**Ep-UD01-345**

**Effects of Hyperoxia During Recovery from 3 x 5-Min Bouts in Skiers Performance**
Pavlíková, J. et al [Czech Republic]

**Ep-UD01-350**

**Immediate Effect of Core Training on the Shoulder Muscular Strength and Pull Motion in Swimming**
Jigami, H. [Japan]

**Ep-UD01-358**

**Do Striker Outperform Defender in General-Perceptual Cognitive Abilities?**
Schumacher, N. et al [Germany]

**Ep-UD01-362**

**Correlation of Star Exclusion Balance Test and Golf Swing Efficiency**
Peng, Y.C. et al [Taiwan]

**Ep-UD01-364**

**Physical Performance Changes After 9 Weeks of Crossfit Training in Comparison to the Other Forms of Hit in Young Men**
Wolanski, P. et al [Poland]

**Ep-UD01-366**

**Acute Effects of Fatigue on Markers of Service Performance in Young Tennis Players**
Aguilera-Castells, J. et al [Spain]

**Ep-UD01-375**

**Effect of Strength Training According to Torque to Develop Mechanical Explosive Power and a Several Kinematic Variables on Soccer Player**
pal, n. et al [Iraq]

**Ep-UD01-377**

**The Relationship Between Lifting Speed or Power in Weight Training and Throwing Performance in Athletics**
Daisuke, Y. [Japan]

**Ep-UD01-390**

**Effects of a Competitive Phase Followed by Block Periodized Preparation Phase on Strength, Power and Explosiveness in a Female Weightlifter - A Case Study**
Pálinkás, G. et al [Hungary]

**Ep-UD01-393**

**The Relationship of Cardiorespiratory Variables with Biological Age in 15-16 Years Old Male Soccer Players**
Tánczos, B. et al [Hungary]

**Ep-UD01-399**

**Changes in High Intensity Accelerations and Decelerations Between Specific Positions According to the Game Quarters of U18 Elite Basketball Players**
Fernández-Valdés, B. et al [Spain]

**Ep-UD01-402**

**The Effect of Group Exercise Frequency on Health-Related Physical Fitness in Japanese Elderly**
ISHIZAKI, S. et al [Japan]

**Ep-UD01-403**

**Does Muscle Strength and Strength Balance of Knee Extensors and Flexors Differ by Playing Position of Soccer Players?**
Masuj, M. et al [Estonia]

**Ep-UD01-415**

**Determination of the Anaerobic Threshold from Stride Contact Time in Running**
Sentić, D. et al [Croatia]

**Ep-UD01-417**

**Effect of Heavy Strength and Power Training on the Orthostatic Test**
Schofer Olstod, D. et al [Finland]

**Ep-UD01-422**

**Muscle Activity is Increased by Looking at the Target Muscles and Focusing on Muscle Squeezing**
Fujimura, S. et al [Japan]

**Ep-UD01-430**

**Effects of Stretching on Maximum Squat Strength and Lower Limb Lean Mass During a Detraining Period in Young Males**
Dorado, C. [Spain]

**Ep-UD01-438**

**Effect of a 6-Week Kettlebell Training Program on Swimming Performance of Youth Swimmers**
Stanula, A. et al [Poland]

**Ep-UD01-445**

**Specific Roller Skis Games and Activities for Young Nordic Skiers Aged Between 12 and 14 Years**
Korbelar, T. et al [Czech Republic]

**Ep-UD01-454**

**Assessment of Multistep Drop Jump Test on the Ball and Racket Game Players**
Yoshida, T. et al [Japan]

**Ep-UD01-457**

**Analysis of Aerobic and Anaerobic Power from Different Soccer Players Categories in Brazilian Federal District**
GARCIA, D. et al [Brazil]

**Ep-UD01-470**

**The Effect on Muscle Activation in Trunk and Low-Limb During Squat Exercise on Various Surface**
LEE, S.K. et al [Korea, South]

**Ep-UD01-475**

**Effect of Session Rating of Perceived Exertion on Athletic Performance During Training Period**
UN, H.S. et al [Taiwan]

**Ep-UD01-486**

**The Physiological Characteristics of the First Saudi Female Sport Science University Students**
Alahmadi, M. [Saudi Arabia]
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<table>
<thead>
<tr>
<th>Time</th>
<th>Congress Hall</th>
<th>Panorama Hall</th>
<th>South Hall 1A</th>
<th>South Hall 1B</th>
<th>South Hall 2A</th>
<th>South Hall 2B</th>
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</thead>
<tbody>
<tr>
<td>08:00</td>
<td>Opening of Registration</td>
<td></td>
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<tr>
<td>09:00 - 10:30</td>
<td>Satellites, Workshops</td>
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<tr>
<td>10:30 - 12:00</td>
<td>Satellite Symposia/Workshops/General Assembly (see page 14)</td>
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<tr>
<td>12:00 - 12:45</td>
<td>Lunch break</td>
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<tr>
<td>12:45 - 13:45</td>
<td><strong>CONVENTIONAL PRINT POSTER SESSIONS 1A</strong>&lt;br&gt;CP-PM01: MOLECULAR SIGNALING RESPONSE&lt;br&gt;CP-PM04: MUSCLE GROWTH: ADAPTATION&lt;br&gt;CP-PM05: TRAINING AND TESTING&lt;br&gt;CP-BN01: NEUROMUSCULAR PHYSIOLOGY&lt;br&gt;CP-M101: STRENGTH AND POWER</td>
<td><strong>CONVENTIONAL PRINT POSTER SESSIONS 1B</strong>&lt;br&gt;CP-SH04: PSYCHOLOGICAL FACTORS IN SPORT&lt;br&gt;CP-BN03: MOTOR LEARNING AND MOTOR CONTROL&lt;br&gt;CP-PM03: HEALTH AND FITNESS&lt;br&gt;CP-BN06: SPORT TECHNOLOGY MIXED&lt;br&gt;CP-BN07: SPORTS PHYSIOTHERAPY I</td>
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<td>13:45 - 14:00</td>
<td>Break</td>
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<tr>
<td>14:00 - 15:30</td>
<td>Invited &amp; Orals</td>
<td><strong>IS-PM05</strong>&lt;br&gt;High-carbohydrate or high-fat diets.... Applied Track</td>
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<tr>
<td>15:30 - 16:00</td>
<td>Coffee break</td>
<td><strong>IS-SP03</strong>&lt;br&gt;Effective Management (RTT).... Applied Track</td>
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<td>16:00 - 17:30</td>
<td>Invited &amp; Orals</td>
<td><strong>GSSI-Pres</strong>&lt;br&gt;GSSI Nutrition Award Presentations</td>
<td><strong>OP-PM03</strong>&lt;br&gt;Energy, Fat and Metabolism</td>
<td><strong>OP-PM06</strong>&lt;br&gt;Molecular Biology and Biochemistry: Signaling and Response</td>
<td><strong>OP-PM07</strong>&lt;br&gt;Muscle and/or Tendon Function I</td>
<td><strong>OP-PM15</strong>&lt;br&gt;Physiology</td>
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<td>17:30 - 17:45</td>
<td>Break</td>
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<tr>
<td>17:45 - 19:00</td>
<td>Plenary Session I - Springs and sprinters - Congress Hall</td>
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<td><strong>GSSI-Award</strong>&lt;br&gt;Congress Hall</td>
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<tr>
<td>19:00 - 19:15</td>
<td>Pasvo Komi Memorial - Congress Hall</td>
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<tr>
<td>19:15 - 19:30</td>
<td>Opening Ceremony - Congress Hall</td>
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<td>OP-MI15 AGEING</td>
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<td>OP-BN13 SPORT TECHNOLOGY I</td>
<td>OP-MI08 AGEING I</td>
<td>OP-BN14 MOTOR LEARNING AND MOTOR CONTROL TALENT - SKILLS ...</td>
<td>OP-SH12 PSYCHOLOGY: MOTIVATION</td>
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<td>OP-PM43 NUTRITION: SUPPLEMENTS AND DIETARY REGIMENS</td>
<td>OP-PM46 CARDIOVASCULAR PHYSIOLOGY I</td>
<td>OP-SH15 SOCIOLOGY: CHILDREN AND GENDER</td>
<td>OP-SH14 PSYCHOLOGY: HEALTH AND WELL-BEING</td>
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**Thursday 4 July 2019**

ECSS Prague 2019 – Czech Republic, 3 – 6 July
### Friday 5 July 2019

#### Time

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<td>OP-PM26: High Intensity Interval Training</td>
<td>OP-PM25: Metabolic Syndrome and Diabetes II</td>
<td>OP-PM29: Team Sports: Soccer</td>
<td>OP-BN17: Sports Physiotherapy: Foot and Ankle</td>
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<td>OP-PM30: Cardiovascular Physiology</td>
<td>OP-PM31: Obesity</td>
<td>OP-PM32: Muscle Damage and Repair II</td>
<td>OP-BN19: Motor Learning and Motor Control Coordination</td>
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<td>Plenary Session III - Sport and brain injuries - A red flag for sport? - Congress Hall</td>
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<td>OP-PM40: Fat, Glucose and Metabolism</td>
<td>OP-PM45: Nutrition: Protein and Dietary Regimens</td>
<td>OP-PM42: Health and Fitness: Cardiovascular</td>
<td>OP-PM51: Exercise Therapy</td>
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<td>IS-PM10: The Masters athlete: Performance... (Applied Track)</td>
<td>OP-PM41: Nutrition: Amino Acids and Proteins</td>
<td>OP-PM47: Cardiovascular Physiology II</td>
<td>OP-PM55: Health and Fitness: Sedentary Lifestyle</td>
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<td>OP-PM33 HEALTHY AND FITNESS: AGEING II</td>
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<td>CP-SH11 EXERCISE, COGNITION AND PERFORMANCE I</td>
<td>CP-SH12 EXERCISE, COGNITION AND PERFORMANCE II</td>
<td>CP-MI16 APP AND METHOD DEVELOPMENT</td>
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<td>OP-BN23 SPORTS TECHNOLOGY III</td>
<td>OP-PM38 TEAM SPORTS: CHILDREN</td>
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## Saturday 6 July 2019

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**CONVENTIONAL PRINT POSTER SESSIONS**

4A: TALENT / ELITE ATHLETES

4B: METABOLISM AND OTHER

**CONVENTIONAL PRINT POSTER SESSIONS**

4A: COMBAT SPORTS