Scientific Programme

Plenary Sessions

Wednesday, July 13th 2005	Thursday, July 14th 2005	Friday, July 15th 2005	Saturday, July 16th 2005	Saturday, July 16th 2005
Plenary Hall	**Plenary Hall**	**Plenary Hall**	**Plenary Hall**	**Plenary Hall**
PS1 E. Asmussen tutorial lecture	*PS2* Human Performance and Aging Gollhofer A. (Germany)	*PS3* Exercise and Lifestyle McNamee M. (United Kingdom)	*PS4* Going Beyond the Limits Müller E. (Austria)	*PS5* President tutorial lecture
18:00 ***PS1-1*** Neuromuscular function: from Mosso till Asmussen and beyond Komi P.V. (Finland)	***08:15*** ***PS 2-1*** Muscle power and functional mobility in older people: novel exercise protocols and mechanisms of adaptation Macaluso A. (United Kingdom)	***08:15*** ***PS3-1*** On the need to triangulate research in exercise and lifestyle: social scientific and economic perspectives: the case for retroduction Downward P. (United Kingdom)	***08:15*** ***PS4-1*** Nanga Parbat – climbing beyond the limits Bärtsch P. (Germany)	***16:45*** ***PS5-1*** Biomechanics and performance enhancement Müller E. et al (Austria)
PS1-2 10th anniversary presentation Saltin B. (Denmark)				
	08:45 ***PS2-2*** Age-related changes in the cardiovascular system of sedentary and active individuals Goldspink D. (United Kingdom)	***08:45*** ***PS3-2*** Rather fat and fit than slim and sedentary – the role of skeletal muscle as an endocrine organ and prevention of chronic diseases Klarlund-Pedersen B.. (Denmark)	***08:45*** ***PS4-2*** Biotechnology; normality and the body: understanding the moral limits of sports medicine and sports performance McNamee M. (United Kingdom)	

Hall 1	Hall 2	Hall 3	Hall 4	Hall 5
IS1 Nutrition and exercise Jeukendrup A. (United Kingdom) Mora R. (Spain)	*IS2* Performance optimization of athletes with disability Vanlandewijck Y. (Belgium)	*IS3* Brain, psyche and physical activity Struder H.K. (Germany)	*OS1* Genetics & Molecular Biology Caporossi D. (Italy)	*OS2* Biochemistry Wagenmakers A. (United Kingdom)
09:40 ***IS1-1*** Introduction Mora-Rodríguez R. (Spain)	***09:40*** ***IS2-1*** Ergonomic optimization as a basis of performance enhancement in cerebral palsy athletes Vanlandewijck Y. et al (Belgium)	***09:40*** ***IS3-1*** Neuroendocrine system alterations in female athletes: an update Platen P. (Germany)	***09:40*** ***YIA OS1-1*** New insights into the molecular mechanism of myogenic differentiation: Effects of physical activity and anabolic substances Friedel A. et al (Germany)	***09:40*** ***OS2-1*** The effects of high glycemic index carbohydrates on beta-endorphin levels during exercise Tofas T. et al (Greece)
			09:55 ***YIA OS1-2*** C34T AMPD1 gene polymorphysm in young athletes Fedotovskaya O. et al (Russia)	***09:55*** ***OS2-2*** Acute injection of dopamine/noradrenaline reuptake inhibitor affects brain and core temperature in the rat Hasegawa H. et al (Belgium)
10:00 ***IS1-2*** Carbohydrate metabolism in the heat: nutritional advices Febbraio M. (Australia)	***10:00*** ***IS2-2*** Metabolic responses to exercise in cerebral palsy athletes Bhambhani Y. (Canada)	***10:00*** ***IS3-2*** Brain neurotransmission and central fatigue during exercise Piacentini M.F. (Italy)		
			10:10 ***OS1-3*** Aging, physical activity and responses to exercise-induced oxidative stress: A study on aged and young well-trained subjects Pittaluga M. et al (Italy)	***10:10*** ***YIA OS2-3*** Effect of creatine on protein synthesis in differentiating myogenic cells Deldicque L. et al (Belgium)
10:20 ***IS1-3*** Increasing carbohydrate and fluid availability in the heat Jeukendrup A. (United Kingdom)	***10:20*** ***IS2-3*** Biomechanical assessment of elite athletes with spinal cord injury Janssen T. (Holland)	***10:20*** ***IS3-3*** Mental and neurophysiological structures in athletes – new mental training perspectives Schack T. et al (Germany)	***10:25*** ***OS1-4*** Shared genetic effect on muscle strength, muscle power and maximal walking speed in older female twins Tiainen K. et al (Finland)	***10:25*** ***OS2-4*** Rapid Hsp27-response to high force eccentric exercise Paulsen G. et al (Norway)
10:40 ***IS1-4*** Carbohydrate in the diet and immune function Gleeson M. (United Kingdom)	***10:40*** ***IS2-4*** Cardiovascular responses to exercise in persons with spinal cord injury Verellen J. et al (Belgium)	***10:40*** ***IS3-4*** The control of voluntary actions in patients with neurophysiological deficits Weigelt M. et al (Germany)	***10:40*** ***YIA OS1-5*** PPAR-d +294T/C Polymorphism and endurance performance Ahmetov I. et al (Russia)	***10:40*** ***OS2-5*** Effect of sensory stimulation on salivary IgA in physically active persons Miletic I. et al (SCG)
			10:55 ***OS1-6*** Elite endurance athletes and the polymorphism of genes Rogozkin V. et al (Russia)	***10:55*** ***OS2-6*** Branched-chain amino acids increase mTOR but not Akt phosphorylation in the recovery period after resistance exercise Eliasson J. et al (Sweden)

Hall 6

OS3
Physiology 1

Bärtsch P. (Germany)

09:40 ***YIA OS3-1***
The effect of intermittent fasting on insulin sensitivity – a mechanism for exercise?
Halberg N. et al (Denmark)

09:55 ***YIA OS3-2***
Hypercapnia reduces fatiguability in spite of decreasing m-wave during intermittent exercise of high intensity of a small muscle group in human
Hilbert M. et al (Germany)

10:10 ***YIA OS3-3***
The risk of hypoglycaemia is lower with intermittent high-intensity exercise compared to moderate exercise in individuals with type 1 diabetes
Guelfi K. et al (Australia)

10:25 ***YIA OS3-4***
Swimming intensity: subsequent cycling and overall triathlon performance
Peeling P. et al (Australia)

10:40 ***YIA OS3-5***
Endurance training does not induce adaptations in cardiac power output in healthy post-menopausal women
Sharp L. et al (United Kingdom)

Hall 7

OS4
Growth & Development

Armstrong N. (United Kingdom)

09:40 ***YIA OS4-1***
Global trends in children's performance on ærobic fitness tests
Tomkinson G. et al (Australia)

09:55 ***OS4-2***
Growth and maturity profile of 11-to 12-year-old soccer players
Figueiredo A. et al (Portugal)

10:10 ***OS4-3***
Motor deficits in relation to selected fitness parameters in Greek children
Tsiotra G. et al (Greece)

10:25 ***OS4-4***
Evaluation of a novel intermittent test for predicting the maximal aerobic power in children
Mamen A. et al (Norway)

10:40 ***OS4-5***
Structure of genetic predisposition of young bicyclists to hereditary diseases
Topanova A. et al (Russia)

10:55 ***OS4-6***
Evaluation of physical activity level in adolescents
Sahin Z. et al (Turkey)

Hall 8

OS5
Physiology 2

Billat V. (France)

09:40 ***YIA OS5-1***
The effects of ageing and long-term endurance exercise on overall cardiac function and maximal oxygen consumption in women
Clements R. et al (United Kingdom)

09:55 ***YIA OS5-2***
New myocyte formation in cardiac and skeletal muscles following acute damage by catecholamines
Ellison G. et al (United Kingdom)

10:10 ***YIA OS5-3***
Improvement of muscular endurance performance through ten days of intermittent hypoxia at rest
Stuke N. et al (Germany)

10:25 ***YIA OS5-4***
Skeletal muscle perfusion, oxygen uptake, and free fatty acid uptake in monozygotic twin pairs discordant for physical activity and fitness
Hannukainen J. et al (Finland)

Hall 9

OS6
Biomechanics

Nicol C. (France)

09:40 ***OS6-1***
Effect of changes in achilles tendon path on the corrected for joint rotation elongation of the gastrocnemius medialis tendon and aponeurosis
Arampatzis A. et al (Germany)

09:55 ***YIA OS6-2***
The influence of ageing and submaximal fatigue on the mechanical properties of the triceps surae muscle tendon unit
Mademli L. et al (Germany)

10:10 ***OS6-3***
Correlation between electromechanical delay and musculo-articular stiffness of the triceps surae muscle in pre-pubertal children
Grosset J. et al (France)

10:25 ***OS6-4***
Fascicle modulation during different elastic behaviour of human jogging and walking
Ishikawa M. et al (Finland)

10:40 ***OS6-5***
Isokinetic evaluation of concentric elbow flexion and extension strength in young male athletes from overhead sports
Nikolaidou M.E. et al (Greece)

10:55 ***OS6-6***
Effect of dynamic maximal voluntary contraction on the soleus H-reflex and V-wave responses
Duclay J. et al (France)

Hall 10

OS7
Sports Pedagogy

Breivik G. (Norway)

09:40 ***OS7-1***
The digital learning environment in dance pedagogy: Experiences of students´ physical education
De Martelaer K. et al (Belgium)

09:55 ***OS7-2***
Learning the horizontal bar swing in artistic gymnastics
Busquets Faciabén A. et al (Spain)

10:10 ***OS7-3***
Comparison of teacher and school director opinions about the deficiencies and problems in physical education lessons
Demirhan G. et al (Turkey)

10:25 ***OS7-4***
The parenting role in preparing young elite tennis players for a professional playing career
Gibson B. (Australia)

10:40 ***OS7-5***
Determination of links between leadership styles and organizational commitment in Iranian physical educators
Ehsani M. et al (Iran)

10:55 ***OS7-6***
Sports participation and education: intervention model at the University of Latvia
Zibarts M. et al (Latvia)

Hall 1	Hall 2	Hall 3	Hall 4	Hall 5
IS4 Exercise for optimal health: how much? Blair S. (USA)	*ES1* ICSSPE Exchange Symposium UN Year of Peace and Development McNamee M. (United Kingdom)	*IS5* Maximal lactate steady state and training dosage: from function to performance Billat V. (France)	*IS6* Sport and imperialism - revisited? Renson R. (Belgium)	*OS8* Physiology 1 Wagenmakers A. (United Kingdom)
11:40 ***IS4-1*** The evolution of physical activity recommendations Blair S. (USA)	***11:40*** ***ES1-1*** Sport, multicultural and intercultural dialogue: a review of initiatives to promote peace and development through sport. Henry I. (United Kingdom)	***11:40*** ***IS5-1*** Energy cost of locomotion below and above the lactate threshold according to different types of locomotion Capelli C. (Italy)	***11:40*** ***IS6-1*** Aspects of sport and American imperialism Gems G. (USA)	***11:40*** ***YIA OS8-1*** Does oxygen supply limit supramaximal exercise endurance in humans? Mortensen S. et al (Denmark)
				11:55 ***YIA OS8-2*** The effect of chronic administration of a dopamine/noradrenaline reuptake inhibitor on thermoregulation and performance in the heat Roelands B. et al (Belgium)
12:00 ***IS4-2*** Physical activity recommendations: minimal, optimal, and excessive Haskell W. (USA)	***12:00*** ***ES1-2*** The development of equality in Finnish sports: organisational perspectives and a research agenda Koivisto N. (Finland)	***12:00*** ***IS5-2*** The importance of muscle mass involved during exercise for maximal lactate steady state values Beneke R. (United Kingdom)	***12:00*** ***IS6-2*** Olympism and colonialism: the 1904 St. Louis Olympics and the 1905 Brussels Olympic Congress Renson R. et al (Belgium)	***12:10*** ***YIA OS8-3*** Energy metabolism at rest and during and after exercise in dependence of age Maassen M. et al (Germany)
12:20 ***IS4-3*** Physical activity recommendations: resistance training, aerobic exercise, or both van Mechelen W. (Holland)	***12:20*** ***ES1-3*** Child rights and competitive sports: a priority for research David P. (Switzerland)	***12:20*** ***IS5-3*** Marathon race is run around the maximal lactate steady state velocity (vMLSS) Billat V. (France)	***12:20*** ***YIA IS6-3*** Olympism and expansionism: the World School of Leopold II of Belgium (1903-1910) Ameye T. et al (Belgium)	***12:25*** ***YIA OS8-4*** Relationship between lactate concentration, ventilatory threshold and power in dependence on age Schauzu B. et al (Germany)
		12:40 ***IS5-4*** Measuring and assessing training dosage: Stress or strain? Morton H. (New Zealand)		***12:40*** ***YIA OS8-5*** Blood donation prior to exercise in the heat does not impair thermoregulation del Coso Garrigos J. et al (Spain)

Hall 6

OS9
Adapted Physical Activity

Vanlandewijck Y. (Belgium)

11:40 ***OS9-1***
Specific effort adaptation of pupils during physical education lessons
Dalan G. et al (Romania)

11:55 ***OS9-2***
The influence of activity level and mode of exercise on bone mineral density in wheelchair users and able-bodied adult males
Sheehan-Gilroy B. et al (Ireland)

12:10 ***OS9-3***
Strength and power characteristics and balance of pre-puberty and puberty aged blind and sighted boys
Häkkinen A. et al (Finland)

12:25 ***OS9-4***
Dynamic postural stability in blind athletes using the Biodex Stability System
Aydog S.T. et al (Turkey)

12:40 ***OS9-5***
Kinematic and electromyographic analysis of elite wheelchair racers during an exercise that simulated the 800 meter race
Leveque J. et al (France)

Hall 7

OS10
Biomechanics/Motor control

Schwameder H. (Austria)

11:40 ***YIA OS10-1***
Sit to stand motor strategies descriptors for mobility assessment of elderly women
Deiuri E. et al (Italy)

11:55 ***OS10-2***
Different recovery patterns of stretch induced mechanical reflex response after exhaustive stretch-shortening cycle (SSC) exercise
Peltonen J. et al (Finland)

12:10 ***OS10-3***
Muscle activation patterns and efficiency of high jump take-off
Isolehto J. et al (Finland)

12:25 ***OS10-4***
Determining the location of the body's centre of mass (COM)
Virmavirta M. et al (Finland)

12:40 ***OS10-5***
Motor unit activation patterns and motoneuron pool excitability at different activation levels of isometric, concentric and eccentric actions
Linnamo V. et al (Finland)

12:55 ***OS10-6***
Coordination pattern of different handball techniques and their relevance for training
Wagner H. et al (Austria)

Hall 8

OS11
Physiology 2

Reilly T. (United Kingdom)

11:40 ***OS11-1***
Effect of water ingestion on physiological responses in spinal cord injured and able-bodied athletes
Zacharakis M. et al (Greece)

11:55 ***OS11-2***
Arterial O2 saturation in trained and sedentary men during submaximal exercise at sea level and simulated altitude
Woorons X. et al (France)

12:10 ***OS11-3***
Effects of cooling on heart rate, oxygen uptake and total sweat loss between 1st-Exercise and 2nd-Exercise in hot environment
Daisuke N. et al (Japan)

12:25 ***OS11-4***
Red blood cell or total protein based calculation of plasma volume changes under marathon conditions in extreme heat
von Duvillard S.P. et al (USA)

12:40 ***OS11-5***
Oxygen consumption is lower at shorter quadriceps muscle lengths
Kooistra R. et al (Holland)

Hall 9

OS12
Nutrition & Exercise

Jeukendrup A. (United Kingdom)

11:40 ***YIA OS12-1***
A single resistance exercise session reduces skeletal muscle lipid and glycogen content in healthy males
Koopman R. et al (Holland)

11:55 ***YIA OS12-2***
Effect of oral glucose ingestion on endurance training adaptation in human skeletal muscle
Akerstrom T. et al (Denmark)

12:10 ***YIA OS12-3***
Competition female gymnasts – a potential risk group of malnutrition?
Silva M.R. et al (Portugal)

12:25 ***OS12-4***
The influence of moderate intensity walking on postprandial lipemia in healthy but not endurance trained young men
Pfeiffer M. et al (Switzerland)

12:40 ***OS12-5***
Reduced glycemic index of breakfast cereals in endurance trained males
Mettler S. et al (Switzerland)

12:55 ***OS12-6***
Rehydration lowers core temperature and heart rate during exercise in the heat only when combined with air cooling
Mora-Rodríguez R. et al (Spain)

Hall 10

OS13
Physiology 3

Tulppo M. (Finland)

11:40 ***OS13-1***
Effects of supine floating on rectal temperature and cardiac parasympathetic nervous system activity after different intensity exercises with a cycle ergometer
Kazuki N. et al (Japan)

11:55 ***OS13-2***
Partial immobilization after eccentric exercise does not enhance recovery from muscle damage
Zainuddin Z. et al (Malaysia)

12:10 ***OS13-3***
Postural sway response to resistance exercises with different intensity of proprioceptive stimulation
Zemkova E. et al (Czech Republic)

12:25 ***OS13-4***
Changes in the cross sectional area of inferior vena cava during standing in water
Sho O. et al (Japan)

Hall 1	Hall 2	Hall 3	Hall 4	Hall 5
IS7 Ethics of elite sport and sport sciences McNamee M. (United Kingdom)	*IS8* Social integration through sport Theeboom M. (Belgium)	*IS9* ACL - current issues, prevention, repair and recovery Chan K.M. (Hong Kong)	*IS10* Heart rate variability in exercise physiology: A practical tool or a research toy? Tulppo M. (Finland)	*OS14* Sports Medicine Dickhuth H.H. (Germany)
15:15 ***IS7-1*** The problems of perfectionism Breivik G. (Norway)	***15:15*** ***IS8-1*** The significance of sports clubs within multicultural society: mixed clubs compared with immigrant clubs Janssens J. (Holland)	***15:15*** ***IS9-1*** The diagnosis and management of acute knee injuries – decision making and recent advances Chan K.M. (Hong Kong)	***15:15*** ***IS10-1*** Association between HRV and training in healthy subjects Tulppo M. (Finland)	***15:15*** ***YIA OS14-1*** Corticosteroids reduce tensile strength of isolated collagen fascicles Thor Haraldsson B. et al (Denmark)
	15:30 ***IS8-2*** Sport and different forms of belonging Walseth K. (Norway)			***15:30*** ***YIA OS14-2*** Effectiveness of a 22-week sports specific balance training programme on the prevention of ankle sprains in basketball Cumps E. et al (Belgium)
15:35 ***IS7-2*** Transhumanism and sport: for and against Edwards S. et al (United Kingdom)		***15:35*** ***IS9-2*** ACL insufficiency and treatment alternatives Delej B. (Slovakia)	***15:35*** ***IS10-2*** Heart rate variability and central and peripheral performance Hedelin R. (Sweden)	
	15:45 ***IS8-3*** Empowerment through sport: a critical analysis Kay T. (United Kingdom)			***15:45*** ***OS14-3*** Doping: Sports physicians and the drug abuse by athletes – an empirical analysis Selg P. et al (Germany)
15:55 ***IS7-3*** Ban drugs, permit gene transfer Miah A. (United Kingdom)	***16:00*** ***IS8-4*** Sport and social cohesion in a multicultural society Theeboom M. et al (Belgium)	***15:55*** ***IS9-3*** Femoral press-fit fixation technique in ACL reconstruction using bone-patellar tendon-bone graft: a biomechanical analysis and a prospective clinical evaluation of 285 patients Berkes I. et al (Hungary)	***15:55*** ***IS10-3*** The effect of exercise training on autonomic cardiovascular regulation: from cardiac patients to athletes Iellamo F. (Italy)	***16:00*** ***OS14-4*** Magnetization transfer contrast MR imaging of patellar cartilage during isometric knee extension exercise Hiroki K. et al (Japan)
16:15 ***IS7-4*** To the philosophy of the body Hogenova A. (Czech Republic)	***16:15*** ***IS8-5*** Evaluating efficiency (and effectiveness) of sport promotional campaigns in Flanders Van den Bergh K. et al (Belgium)			***16:15*** ***OS14-5*** Progressive resistance training as adjunct treatment of sarcopenic obesity in prostate cancer patients receiving androgen deprivation therapy Marcora S. et al (United Kingdom)
				16:30 ***OS14-6*** Lumbosacral pain in obese ex-handball players with secondary knee arthrosis Traistaru R. et al (Romania)

Hall 6

OS15
Sports Psychology

Duda J. (United Kingdom)

15:15 ***OS15-1***

Capturing the development experience in professional football - generating evocative and authentic texts through alternative forms of representation

Gilbourne D. et al (United Kingdom)

15:30 ***OS15-2***

Capturing the development experience in professional football – case studies on post-academy career transitions

Littlewood M. et al (United Kingdom)

15:45 ***OS15-3***

Self-esteem, body esteem, body mass and risk for disorders eating among French competitive and non competitive adolescent girls

Ferrand C. et al (France)

16:00 ***OS15-4***

Simultaneous influence of the cognitive and personality dimensions on success of basketball

Jakovljevic S. (SCG)

16:15 ***OS15-5***

The psycho-social features of handball referees

Valdevit Z. et al (SCG)

Hall 7

OS16
Coaching & Performance

Meeusen R. (Belgium)

15:15 ***YIA OS16-1***

Development of the interval endurance capacity of talented youth field hockey players

Elferink-Gemser M.T. et al (Holland)

15:30 ***OS16-2***

Jump tests on a force platform for applicants to a sports sciences degree

Lara A. et al (Spain)

15:45 ***OS16-3***

The 30-15 intermittent fitness test: relevance for interval training of intermittent sport players

Buchheit M. (France)

16:00 ***OS16-4***

Variables influencing soccer-specific exercise intensity

Rampinini E. et al (Italy)

16:15 ***OS16-5***

Effects of vibration training on reactivity and speed

Kleinöder H. et al (Germany)

16:30 ***OS16-6***

The evaluation of methodological conditions for testing the maximal frequency of arm movement

Suzovic D. et al (SCG)

Hall 8

OS17
Rehabilitation

Cabri J. (Portugal)

15:15 ***OS17-1***

The effect of Tai-chi and Qi-gong on chronic low back pain patients as the two methods are practiced simultaneously

Park G.D. et al (Korea)

15:30 ***OS17-2***

Monitoring of pre- and post-operative muscle adaptation of ACL reconstruction rehabilitation process

Šimunic B. et al (Slovenia)

15:45 ***OS17-3***

Sensorimotor control and proprioception in neurorehabilitation

Haas C. et al (Germany)

16:00 ***OS17-4***

Physiological effects of local heat application in physical therapy

Taeymans J. et al (Switzerland)

16:15 ***OS17-5***

A critical evaluation of iontophoresis as used in physiotherapy

Clijsen R.H.F. et al (Switzerland)

Hall 9

OS18
Sports history & Sports sociology

Pfister G. (Denmark)

15:15 ***OS18-1***

Tradition and necessities in physical culture

Peneva B. et al (Bulgaria)

15:30 ***OS18-2***

Coubertin and his heritage

Kosiewicz J. et al (Poland)

15:45 ***OS18-3***

Social class, physical education and sport: re-thinking inequalities

Green K. (United Kingdom)

16:00 ***OS18-4***

Capturing the development experience in professional football – dilemmas and processes associated with providing social support

Richardson D. et al (United Kingdom)

16:15 ***OS18-5***

A modernisation project from above? Sport between 'modernity' and 'authenticity' in the Gulf countries, in 'late modernity'

Mahfoud A. (United Kingdom)

16:30 ***OS18-6***

Effects of social support on sportive life and social position: a study on elite ex-athletes

Bulgu N. et al (Turkey)

Hall 10

OS19
Physiology

Platen P. (Germany)

15:15 ***OS19-1***

Effect of moderate aerobic exercise training on maximal cutaneous blood flow and vascular conductance in post-menopausal females

Cable T. et al (United Kingdom)

15:30 ***OS19-2***

Interaction of exercise training and chronic NOS inhibition on blood pressures, vasodilatation and vascular morphology of pressurized mesenteric small arteries in rat

Colin E. et al (France)

15:45 ***OS19-3***

Regular physical exercise stimulates endothelium-dependent NO-mediated vasorelaxation and reduces the progression of atherosclerotic lesions in hypercholesterolemic apolipoprotein E- deficient mice (apoE-/-)

Pellegrin M. et al (France)

16:00 ***OS19-4***

Influence of induced fatigue changes of oxygen uptake, carbon dioxide elimination and lung ventilation fast kinetics upon working capacity in endurance athletes

Mishchenko V. et al (Poland)

16:15 ***OS19-5***

Eccentric exercise with a light load confers protection against a subsequent bout of more demanding eccentric exercise performed 2 days later

Lavender A. et al (Japan)

16:30 ***OS19-6***

Regulation of blood lactate by pyruvate combustion in boys and adolescents

Beneke R. et al (United Kingdom)

Hall 11

OS20
Biomechanics

Petersen N. (Denmark)

15:15 ***YIA OS20-1***

Analysis of loading of a cross-country skiing sprint competition simulation

Stöggl T. et al (Austria)

15:30 ***OS20-2***

Reliability of a practicable EMG-moment model for antagonist moment prediction

Kellis E. (Greece)

15:45 ***OS20-3***

New aspects of double poling technique in cross-county ski racing - a biomechanical approach

Lindinger S. et al (Austria)

16:00 ***OS20-4***

Verification of a measuring system to analyse 3D forces and torques in alpine skiing and snowboarding

Stricker G. et al (Austria)

16:15 ***OS20-5***

Dynamics of carved and skidded ski- and snowboard turns

Klous M. et al (Austria)

16:30 ***OS20-6***

Effect of runner material on ice friction in bobsleigh

Boerboom S. et al (Germany)

Hall 1	Hall 2	Hall 3	Hall 4	Hall 5
IS11 Exercise, cytokines and oxidative stress Klarlund-Pedersen B. (Denmark)	*IS12* Aging, physical activity and health Narici M. (United Kingdom)	*IS13* Sport and the female Platen P. (Germany)	*OS21* Sports Medicine 1 Langberg H. (Denmark)	*OS22* Coaching & Performance Helsen W. (Belgium)
17:00 ***IS11-1*** The cytokine response to exercise Klarlund-Pedersen B. (Denmark)	***17:00*** ***IS12-1*** Muscle wasting and weakness in old age Narici M. (United Kingdom)	***17:00*** ***IS13-1*** Physiological demands in top level female team sports with a special focus on handball Manchado-Lopez C. et al (Germany)	***17:00*** ***OS21-1*** The analysis of the thrombus formation of the rat dehydration model Natsui H. et al (Japan)	***17:00*** ***OS22-1*** Effects of perceived neuromuscular fatigue on kinematic variables of the basketball free throw shooting Ignjatovic A. (SCG)
			17:15 ***OS21-2*** The influence of a knee brace on proprioception between different age groups Reer R. et al (Germany)	***17:15*** ***OS22-2*** Why is individual defense better in Minibasket? Mondoni M. et al (Italy)
17:20 ***IS11-2*** Muscle-derived cytokines and signalling pathways Febbraio M. (Australia)	***17:20*** ***IS12-2*** Contractile properties and behaviour of single motor units in elderly Klass M. et al (Belgium)	***17:20*** ***IS13-2*** Computer-based performance analysis in female athletes Weber S. et al (Germany)		
			17:30 ***OS21-3*** Adaptation of the muscle tendon junction to exercise Michna H. et al (Germany)	***17:30*** ***OS22-3*** The Brazilian athletes – the use of sport science and the general characteristics of training Stanganelli L.C.R. et al (Brazil)
17:40 ***IS11-3*** The role of anti-oxidants in the regulation of exercise-induced cytokine production and metabolism Fischer C. (Denmark)	***17:40*** ***IS12-3*** Central and peripheral limitations to oxidative metabolism in ageing Grassi B. et al (Italy)	***17:40*** ***IS13-3*** Sport and the female – from the perspective of sports organisations and society- case of coaching in handball Bon M. (Slovenia)	***17:45*** ***OS21-4*** Relation between low physical activity and serum risk factors for coronary heart disease Radakovic S. et al (SCG)	***17:45*** ***OS22-4*** Improving training process – an example in tennis O'Hara K. et al (Portugal)
18:00 ***IS11-4*** The oxidative stress to exercise and its role in muscle damage Jackson M. (United Kingdom)	***18:00*** ***IS12-4*** The Better Ageing Project: Physical activity, quality of life and psychological well-being Fox K. et al (United Kingdom)	***18:00*** ***IS13-4*** Sports medical problems in female top athletes – an update. Platen P. (Germany)	***18:00*** ***OS21-5*** Acromioclavicular joint injury in young athletes and fast surgical repairing Vukov V. (SCG)	
			18:15 ***OS21-6*** Fight against doping: an empirical analysis of drug abuse in fitness studios Schulz T. et al (Germany)	

Hall 6

OS23
Sports Psychology

Sellars C. (United Kingdom)

17:00 ***OS23-1***
Metacognitive aspects in withdrawal from competitive youth sport
Konttinen N. et al (Finland)

17:15 ***OS23-2***
Proneness to eating disorders in high level climbers: Psychological determinants
Antonini Philippe R. et al (Switzerland)

17:30 ***OS23-3***
Transitions from elite professional player to professional coach: The case of rugby league in England
Sellars C. (United Kingdom)

17:45 ***OS23-4***
Performance of a cognitive task following physical exertion
Al-Nakeeb Y. et al (United Kingdom)

18:00 ***OS23-5***
Psychomotor speed is a possible marker for overreaching
Nederhof E. (Holland)

Hall 7

OS24
Physical Activity, Health & Fitness

Ring S. (Austria)

17:00 ***YIA OS24-1***
Effects of walking on cigarette cravings during smoking cue simulation and on lag time to the next cigarette
Katomeri M. et al (United Kingdom)

17:15 ***YIA OS24-2***
Effects of passive smoking on active and resting humans 0, 1, and 3 hours following exposure
Flouris A. et al (Canada)

17:30 ***OS24-3***
Body fatness and body mass index: Is BMI a indicator in order to determine the body fatness?
Odabas I. et al (Turkey)

17:45 ***OS24-4***
Lower overweight prevalence in rural versus urban sedentary young girls
Ara I. et al (Spain)

18:00 ***OS24-5***
The relation of physical fitness, body composition and ultrasound measurements in cardiovascular health prevention studies in children
Laube B. et al (Germany)

18:15 ***OS24-6***
Influence of aging on fit elderly female´s gait
Andre H.I. et al (Portugal)

Hall 8

OS25
Physiology 1

van Loon L. (Holland)

17:00 ***OS25-1***
Modeling VO2(t) kinetics as a nonlinear dynamical system: including a novel means of calculating oxygen demand, deficit and debt
Stirling J. et al (Spain)

17:15 ***OS25-2***
Hormonal concentrations at rest and induced by superset strength training session in long-term strength-trained and untrained middle-aged men
Cadore E. et al (Brazil)

17:30 ***OS25-3***
Effects of arterial hypoxemia and work intensity on exercise-induced diaphragmatic fatigue in elite cyclists
Chrysikopoulos K.A. et al (Greece)

17:45 ***OS25-4***
The physiological determinants of recovering repeated-sprint ability in team-sport athletes
McGawley K. et al (Australia)

18:00 ***OS25-5***
Morphological changes of myofibrils after injury in mouse gastrocnemius muscle
Oka K. et al (Japan)

Hall 9

OS26
Physiology 2

Hartmann U. (Germany)

17:00 ***OS26-1***
Effects of duration and intensity of active recovery on blood pH and maximum pedaling power
Aguado R. et al (Spain)

17:15 ***OS26-2***
Affect of gender on anaerobic power production during bicycle exercise with maximal and sub maximal work loads
Tanaka S. et al (Japan)

17:30 ***OS26-3***
Electromyographic profile of the vastus lateralis and biceps brachii of sprinter and endurance runners during a maximal aerobic test. Relation with oxygen consumption.
Tavares P. et al (Portugal)

17:45 ***OS26-4***
The effects of exercise-induced muscle soreness and muscle damage on ventilatory and circulatory responses at the onset of exercise
Hotta N. et al (Japan)

18:00 ***OS26-5***
Effect of transdermal nicotine administration on exercise endurance
Mündel T. et al (United Kingdom)

Hall 10

OS27
Sports Medicine 2

Bojsen-Moller J. (Denmark)

17:00 ***OS27-1***
The effects of two-week program of individually measured physical activity on insulin resistance in obese non-insulin-dependent diabetes mellitus
Cizmic M. et al (SCG)

17:15 ***OS27-2***
Reconstruction results of the ACL with tendons of hamstring
Krstic V. et al (SCG)

17:30 ***OS27-3***
Arthroscopic meniscectomy as a method of treating meniscus injuries
Kuzmanovski S. et al (SCG)

17:45 ***OS27-4***
Proteinuria during physical activity in children with renal scarring: the role of angiotensin converting enzyme inhibitors
Miloševski G. et al (SCG)

18:00 ***OS27-5***
Exercise related ventricular arrhythmias in young athletes
Vukomanovic G. et al (SCG)

18:15 ***OS27-6***
Maximal aerobic power and cardiac dimensions in female athletes with locomotor disability
Bernardi M. et al (Italy)

Hall 1	Hall 2	Hall 3	Hall 4	Hall 5
IS14 How do tendons respond to exercise: from training responses to sport injuries Kjaer M. (Denmark)	*IS15* Lipid metabolism, exercise and insulin resistance: an update Wagenmakers A. (United Kingdom)	*IS16* Chronobiology and sport performance Reilly T. (United Kingdom)	*OS28* Biomechanics Avela J. (Finland)	*OS29* Sports history & Sports sociology Renson R. (Belgium)
09:40 ***IS14-1*** Introduction Kjaer M. (Denmark)	***09:40*** ***IS15-1*** Welcome and introduction Wagenmakers A. (United Kingdom)	***09:40*** ***IS16-1*** Introduction to chronobiology and exercise Reilly T. (United Kingdom)	***09:40*** ***OS28-1*** The initial phase of fast isometric knee extension torque development is highly related to jump performance de Ruiter J. et al (Holland)	***09:40*** ***OS29-1*** Is sex classification in sport unfair? Loland S. (Norway)
09:50 ***IS14-2*** Tendon response to loading and overloading - implications for injury and treatment Langberg H. (Denmark)	***09:50*** ***IS15-2*** Co-ordination of adipose tissue, liver and skeletal muscle lipid metabolism. The effect of food intake and exercise Bulow J. (Denmark)	***10:00*** ***IS16-2*** Circadian rhythms and exercise: the role of sleep Davenne D. (France)	***09:55*** ***OS28-2*** Biomechanical versus clinical assessment of postural control Turbanski S. et al (Germany)	***09:55*** ***OS29-2*** Governments and sport; policies, strategies & directions Ghafouri F. et al (Iran)
10:10 ***IS14-3*** Tendon response to loading in elderly Narici M. et al (United Kingdom)	***10:10*** ***IS15-3*** Lipid metabolism in muscle during and following exercise van Loon L. (Holland)	***10:20*** ***IS16-3*** Circamensal and circadian rhythms in females athletic performance Giacomoni M. (France)	***10:10*** ***OS28-3*** Application of dynamical systems to the improvement of balance in sport Zakynthinaki M. et al (Spain)	***10:10*** ***OS29-3*** Gender mainstreaming in sport: Italian television sport coverage of women´s sports during the 2004 Athens Olympic Games Capranica L. et al (Italy)
10:30 ***IS14-4*** Tendon-aponeurosis mechanical properties in humans - harmfull stress in tendons? Bojsen-Moller J. (Denmark)	***10:30*** ***IS15-4*** Effects of insulin, exercise and lipids on muscle capillary recruitment and transendothelial transport Wagenmakers A. (United Kingdom)	***10:40*** ***IS16-4*** Seasonal rhythms and exercise Atkinson G. et al (United Kingdom)	***10:25*** ***OS28-4*** Foot and ankle stabilisation during drop landing: A kinematic, kinetic and electromyografic study Morey Klapsing G. et al (Germany) ***10:40*** ***OS28-5*** Visualization of unsteady flow around the hand in front crawl using stereo PIV Shintani H. et al (Japan) ***10:55*** ***OS28-6*** Surface EMG changes under the influence of high- and low-frequency fatigue Tomazin K. et al (Slovenia)	***10:25*** ***OS29-4*** Hooliganism at the sporting fields Doupona Topic M. (Slovenia) ***10:40*** ***OS29-5*** Contradictary meanings of exercise for women in Turkey Hacisoftaoglu I. et al (Turkey)

Hall 6

OS30
Physiology

Capelli C. (Italy)

09:40 ***OS30-1***
Assessment of muscle oxygenation during cycle exercise under normoxic and hypoxic conditions using Near Infrared Spectroscopy (NIRS)
Franke J. et al (Germany)

09:55 ***OS30-2***
Changes in pulmonary ventilation and blood [H+] when the exercise intensity passes maximal lactate steady state
Usaj A. et al (Slovenia)

10:10 ***OS30-3***
Whole season variation of free testosterone/cortisol ration in elite basketball players
Milic R. et al (Slovenia)

10:25 ***OS30-4***
Physiological and performance effects of breathing ambient hyperoxic air during maximal exercise
Ansley L. et al (United Kingdom)

10:40 ***OS30-5***
Oxidative stress and antioxidant capacity in overtrained athletes
Tanskanen M. et al (Finland)

10:55 ***OS30-6***
Is cycling time trial power output higher on uphill than on flat road conditions?
Sassi A. et al (Italy)

Hall 7

OS31
Biomechanics/Motor control

Stapelfeldt B. (Germany)

09:40 ***OS31-1***
Offside decision making in football: A further test of the flash-lag hypothesis
Helsen W. et al (Belgium)

09:55 ***OS31-2***
Fascicle behaviour of the soleus and gastrocnemius muscles in hopping
Kuitunen S. et al (Finland)

10:10 ***OS31-3***
Muscle damage induced by stretch-shortening cycle (SSC) exercise in humans?
Kyröläinen H. et al (Finland)

10:25 ***OS31-4***
Recovery from exhaustive SSC exercise and balance control
Kanervo M. et al (Finland)

10:40 ***OS31-5***
Activity pattern of rhythmic movement after fatiguing eccentric actions
Bottas R. et al (Finland)

Hall 8

OS32
Physical Activity, Health & Fitness
van Mechelen W. (Holland)

09:40 ***OS32-1***
Cycling to work: does the cycling intensity correspond to ACSM Health guidelines?
de Geus B. et al (Belgium)

09:55 ***OS32-2***
Physical activity in adolescents and proatherogenic particles plasma levels- focus on non-HDL cholesterol
Arandelovic D. et al (SCG)

10:10 ***OS32-3***
Exercise during pregnancy related to birth weight an observational study
Rodriguez-Cabrero M. et al (Spain)

10:25 ***OS32-4***
Body composition in relation to physical activity and aerobic fitness in Greek adolescents
Christodoulos A. et al (Greece)

10:40 ***OS32-5***
Direct and indirect assessment of physical fitness: lack of validity of the International physical activity questionnaire (IPAQ) in adults?
Delgado-Guerra S. et al (Spain)

10:55 ***OS32-6***
Adolescents' leisure patterns and sport participation in open sport offers – a gender perspective
Skille E. (Norway)

Hall 9

OS33
Growth & Development

Obert P. (France)

09:40 ***OS33-1***
Total leptin, but not its soluble receptor, is related to fat mass in young adults
Perez-Gomez J. et al (Spain)

09:55 ***OS33-2***
Lifestyle among obese children: a comparative study
Mourao-Carvalhal M.I. et al (Portugal)

10:10 ***OS33-3***
Development of running speed performance and differences between boys and girls from 7 to 18 years old
Michailidis I. et al (Greece)

10:25 ***OS33-4***
"Active childhood – healthy life" – Presentation of a media package
Zahner L. et al (Switzerland)

10:40 ***OS33-5***
Children's experiences in sport and physical activity: reflecting on adolescence
Buckley C. (United Kingdom)

10:55 ***OS33-6***
Fitness and obesity in primary school Greek children during the academic year and the summer period: effects of organised physical activity
Polykratis M. et al (Greece)

Hall 10

SS1
Better-Ageing
Narici M. (United Kingdom)
Ostojic S. (SCG)

09:45 ***SS1-1***
Overview of the Better Ageing project: background and scope
Narici M. et al (United Kingdom)

10:15 ***SS1-2***
Structural and functional adaptations of human muscle fibres
Bottinelli R. (Italy)

10:55 ***SS1-3***
Myotendinous adaptations with ageing and influence on locomotor function
Narici M. et al (United Kingdom)

Hall 11

OS34
Sports Philosophy

McNamee M. (United Kingdom)

09:40 ***OS34-1***
Adoration of performance and its consequences for our life
Hogenova A. (Czech Republic)

09:55 ***OS34-2***
The challenges of modern time and sports lifestyle
Macura D. et al (Slovenia)

10:10 ***OS34-3***
Sport between information and entertainment: The online option
Dimitriou M. et al (Austria)

10:25 ***YIA OS34-4***
How to understand intentional movements in sport
Moe V.F. (Norway)

Hall 1	Hall 2	Hall 3	Hall 4	Hall 5
ES2 ACSM Exchange Symposium Sports injury prevention - from training improvements to changes in rules Shrier I. (Canada) Langberg H. (Denmark)	*IS17* Biomechanics and elite sport performance Gollhofer A. (Germany)	*IS18* Science of cycling Terrados N. (Spain)	*IS19* Evidence based sports physiotherapy: from competencies to applications Cabri J. (Portugal)	*OS35* Coaching & Performance Beneke R. (United Kingdom)
Shrier I. (Canada)	***11:40*** ***IS17-1*** Challenges to measure reflex control during high impact activities Avela J. et al (Finland)	***11:40*** ***IS18-1*** Physiology of off-road cycling Impellizzeri F. et al (Italy)	***11:40*** ***IS19-1*** Resistance training in cardiac rehabilitation Fernhall B. (USA)	***11:40*** ***OS35-1*** Relationship of swimming power to sprint performance in swimming strokes Arija A. et al (Spain)
				11:55 ***OS35-2*** Dynamics of balance during carving turns Baláž J. et al (Slovakia)
Langberg H. (Denmark)	***12:00*** ***IS17-2*** Biomechanical performance diagnostics in elite sports Schwameder H. et al (Austria)	***12:00*** ***IS18-2*** Principles of exercise testing in elite cyclists Hespel P. (Belgium)	***12:00*** ***IS19-2*** A protocol for the development of professional competencies: the SPA Project Bulley C. et al (United Kingdom)	***12:10*** ***OS35-3*** Technique training with measurement and control system in Judo Nowoisky H. (Germany)
	12:20 ***IS17-3*** 3D kinematic characteristics of recreational, elite and professional cyclists Stapelfeldt B. et al (Germany)	***12:20*** ***IS18-3*** Can we increase fat oxidation in cyclists and is it important? Jeukendrup A. (United Kingdom)	***12:20*** ***IS19-3*** Exercise and brain, is there any evidence that exercise works for rehabilitation ? Meeusen R. (Belgium)	***12:25*** ***OS35-4*** Comparison of the ball throwing velocity from the standing, sitting position and grip force between boys and girls 7-18 years old Skoufa E. et al (Greece)
		12:40 ***IS18-4*** Are genes and metabolism of cyclists changing? Terrados N. (Spain)	***12:40*** ***IS19-4*** Sports physiotherapy systematic review Cabri J. et al (Portugal)	***12:40*** ***OS35-5*** Influence of time on throwing performance (ball velocity and accuracy) in female team handball players during a simulation of gaming exercises Zapartidis I. et al (Greece)

Hall 6

OS36
Physical Activity, Health & Fitness

Pocan R. (Austria)

11:40 ***OS36-1***

Determinants of increased physical activity in the general population – the Inter99 study

von Huth Smith L. et al (Denmark)

11:55 ***OS36-2***

Can step exercise program improve functionality in elderly?

Machado M.L. et al (Portugal)

12:10 ***OS36-3***

What are the distances in physically active commuting from home to work/ study place? A methodological survey

Schantz P. et al (Sweden)

12:25 ***OS36-4***

Stair descent: kinematics in healthy young and older adults

Mian O. et al (United Kingdom)

12:40 ***OS36-5***

Objective measurement of stair use versus self-reported stair use in two governmental offices

Engbers L. et al (Holland)

12:55 ***OS36-6***

Type and dose of daily physical activity are determinant of autonomic nervous system activity in CHF patients

Garet M. et al (France)

Hall 7

OS37
Physiology

Zivanic S. (SCG)

11:40 ***OS37-1***

Effects of two different running programs on cardiorespiratory parameters at ventilatory threshold and maximal oxygen uptake

Stojiljkovic S. et al (SCG)

11:55 ***OS37-2***

Problems concerning interpretation of functional abilities testing results in old people

Živanic S. (SCG)

12:10 ***OS37-3***

Morphological characteristics estimated by LifeSize software package and exerted muscle force

Obradovic B. et al (SCG)

12:25 ***OS37-4***

Acute and long term effects of sport diving on respiratory function

Ivkovic D. et al (SCG)

12:40 ***OS37-5***

Autonomous heart rate observation with top athletes in relaxation

Žikic D. et al (SCG)

Hall 8

OS38
Sports Psychology

Sellars C. (United Kingdom)

11:40 ***OS38-1***

Predicting positive and negative affect in youth sport: An achievement goal theory perspective

Miller B.W. et al (Norway)

11:55 ***OS38-2***

Peculiarities of communication of high level handball players

Malinauskas R. et al (Lithuania)

12:10 ***OS38-3***

Assessment and comparison of "locus of control (internal — external) and feeling of loneliness between athlete and non-athlete girls"

Yousefy B. (Iran)

12:25 ***OS38-4***

Eating attitudes, body-esteem scale, trait anxiety and perfectionism of judo athletes and nonathletes

Bouget M. et al (France)

12:40 ***OS38-5***

Understanding the representations relative to body image ideal through a clinical approach of the rhythmic gymnastics judges' speech

Tetard S. (France)

12:55 ***OS38-6***

Relationship between self-efficacy, sport motivation and wrestling performance

Farshad T. et al (Iran)

Hall 9

OS39
Motor Control & Learning

Williams M. (United Kingdom)

11:40 ***OS39-1***

What to mentally represent when learning a goal-directed movement? An EMG study

Caliari P. et al (France)

11:55 ***OS39-2***

Stride length and stride frequency modulation in young and elderly subjects

Cherubini D. et al (Italy)

12:10 ***OS39-3***

Proprioceptive feedback can inhibit motoneuron activation via supra-spinal pathways

Edwards D. et al (Australia)

12:25 ***OS39-4***

Learning control for best dynamic performance

Kiriazov P. (Bulgaria)

Hall 10

SS1
Better-Ageing
Narici M. (United Kingdom)
Ostojic S. (SCG)

11:55 ***SS1-4***

Motor control and neuromuscular fatigue

Duchateau J. et al (Belgium)

12:35 ***SS1-5***

Changes in muscle contractile characteristics with ageing: adaptations to strength training

Van Hoecke J. et al (Francei)

12:55 ***SS1-6***

Changes in muscle and joint elastic characteristics following long-term strength training in older individuals

Ochala J. et al (France)

Hall 1	Hall 2	Hall 3	Hall 4	Hall 5
IS20 Paediatric exercise metabolism Armstrong N. (United Kingdom)	*IS21* Exercise in hyperbaric, hypobaric, and microgravity environments Hoffmann U. (Germany)	*IS22* Strength training in differents sports Tihanyi J. (Hungary)	*OS40* Nutrition & Exercise van Loon L. (Holland)	*OS41* Genetics & Molecular Biology Vina J. (Spain)
15:15 ***IS20-1*** Brief introduction Armstrong N. (United Kingdom)	***15:15*** ***IS21-1*** Exercise in hyperbaric, hypobaric, and microgravity environments Hoffmann U. (Germany)	***15:15*** ***IS22-1*** Eccentric training induced short term adaptation Tihanyi J. (Hungary)	***15:15*** ***OS40-1*** Post-exercise carbohydrate intake of elite female volleyball players Stoffel-Kurt N. et al (Switzerland)	***15:15*** ***OS41-1*** Muscle damage and altered gene expression following prolonged intermittent concentric exercise of a single head of multi-tendoned rat EDL muscle Lehti M. et al (Finland)
15:25 ***IS20-2*** Muscle fatigue during high-intensity intermittent exercise in children Ratel S. (France)	***15:35*** ***IS21-2*** Exercise in hypobaric environments: from terrestrial to simulated altitude Rodriguez F.A. (Spain)	***15:35*** ***IS22-2*** Neuromuscular adaptations during combined strength and endurance training Häkkinen K. (Finland)	***15:30*** ***OS40-2*** Nutritional patterns in late-adolescent elite male flatwater racers during different training periods Torres A. et al (Spain)	***15:30*** ***OS41-2*** Knockdown of hypoxia inducible factor-1a by siRNA inhibits C2C12 myoblasts differentiation Ono Y. et al (Japan)
15:40 ***IS20-3*** Effect of gender and training on cardiovascular response to exercise in children Obert P. (France)	***15:55*** ***IS21-3*** Gravity effects in the exercising human Linnarsson D. (Sweden)	***15:55*** ***IS22-3*** Is whole body vibration an effective alternative to strength training? Cardinale M. (United Kingdom)	***15:45*** ***OS40-3*** Relationship between body composition, bone mineral density and dietary intake in late adolescent elite male flatwater racers Garcia A. et al (Spain)	***15:45*** ***OS41-3*** Association of mutation in the beta-3 adrenergic receptor gene with obesity and response to diet plus exercise intervention in Korean middle-aged women Kim K. et al (Korea, South)
15:55 ***IS20-4*** Aerobic exercise performance in children and its relationship with later health Twisk J. (Holland)	***16:15*** ***IS21-4*** Alteration of muscle spindle function in microgravity environment Perot C. et al (France)	***16:15*** ***IS22-4*** Comparing strength training methods in aerobic gymnastics Balagué N. et al (Spain)	***16:00*** ***OS40-4*** Influence of individual programmed exercises and nutrition on the body composition of recreational population Đordevic-Nikic M. et al (SCG)	***16:00*** ***OS41-4*** Effects of an acute bout of physical exercise on the nuclear protein kB (NF-kB) signaling pathway in rat skeletal muscle Gomez-Cabrera M. et al (Spain)
16:10 ***IS20-5*** Interplay between aerobic and anaerobic exercise metabolism in children Armstrong N. (United Kingdom)			***16:15*** ***OS40-5*** Effects of creatine monohydrate supplementation on anaerobic capacity in young active adults Radovanovic D. et al (SCG)	***16:15*** ***OS41-5*** Expression of satellite cell markers in the human vastus lateralis muscle after a single bout of exhaustive eccentric exercise Crameri R. et al (Canada)
				16:30 ***OS41-6*** The growth hormone (GH1) gene, performance and post-race rectal temperature during the South African Ironman Triathlons Collins M. et al (South Africa)

Hall 6

OS42
Physiology 1

Sassi A. (Italy)

15:15 ***OS42-1***

Effect of exercise-induced muscle damage on endurance performance

Bosio A. et al (Italy)

15:30 ***OS42-2***

Heart rate variability at rest during regeneration after exhausting cycling and running endurance exercise

Horn A. et al (Germany)

15:45 ***OS42-3***

Red blood cell and the regulation of human skeletal muscle circulation: Insights from anemia and polycythemia studies

González-Alonso J. et al (Denmark)

16:00 ***OS42-4***

The effect of moderate or heavy intensity single arm exercise on blood volume changes in the exercising and non-exercising tissue, measured by NIRS

Deacon G. et al (United Kingdom)

16:15 ***OS42-5***

Cerebral and muscle oxygenation/blood volume responses during maximal cycling exercise in untrained and moderately trained males

Bhambhani Y. et al (Canada)

Hall 7

OS43
Biochemistry

Febbraio M. (Australia)

15:15 ***OS43-1***

Interleukine-6 induced by physical exercise does not correlate with acute phase proteins (CRP) synthesized in the liver

Czarkowska-Paczek B. et al (Poland)

15:30 ***OS43-2***

Independent estimations of the energy contributed by intramyocellular lipids and plasma free fatty acids to fat oxidation during exercise

Decombaz J. et al (Switzerland)

15:45 ***OS43-3***

Strenght training and inflammation in the elderly

Bautmans I. et al (Belgium)

16:00 ***OS43-4***

Cytokines, acute sleep deprivation and glutamine intervention

Gough L. et al (United Kingdom)

Hall 8

OS44
Biomechanics

Lindinger S. (Austria)

15:15 ***OS44-1***

Comparison between parameters of axial force and muscle radial displacement during isometric twitch contraction

Đordevic S. et al (Slovenia)

15:30 ***OS44-2***

Comparison of ground reaction forces during the take off phase of pole vault and long jump

Plessa E. et al (Greece)

15:45 ***OS44-3***

Mechanical and morphological properties of different muscle-tendon-units of the lower extremity and running mechanics: Effect of aging and physical activity

Karamanidis K. et al (Germany)

16:00 ***OS44-4***

Biomechanical aspects of evaluation for explosive strength

Stankovic R. et al (SCG)

16:15 ***OS44-5***

Ground reaction force data in basketball players with functional ankle instability. A comparison between stable and unstable ankles during cutting movements

Dayakidis M. et al (Greece)

16:30 ***OS44-6***

In vivo mechanical properties of bulk tissue: Stress-relaxation behaviour of bulk tissue and a mechanical model representation

Aritan S. et al (Turkey)

Hall 9

OS45
Physiology

Hartmann U. (Germany)

15:15 ***OS45-1***

No improvement of aerobic and anaerobic performance after repeated exposure to short-term intermittent hypoxia

Tadibi V. et al (Germany)

15:30 ***OS45-2***

Training induced increase in maximal oxygen uptake is due to a balanced increase in both metabolic and oxygen supply capacity

Rud B. et al (Norway)

15:45 ***OS45-3***

Exercise induced changes in bone biomarkers and strength in postmenopausal women

Di Giovanni G. et al (Canada)

16:00 ***OS45-4***

Comparison of lactate kinetics during the lactate minimum test and constant power cycling

Johnson M. et al (United Kingdom)

16:15 ***OS45-5***

Triceps surae muscle power, volume and quality in older versus younger healthy men

Thom J. et al (United Kingdom)

Hall 10

SS1
Better-Ageing

Narici M. (United Kingdom)
Ostojic S. (SCG)

14:30 ***SS1-7***

Steadiness of muscle force in different contraction types; effects of age and falls in the elderly

Newham D. et al (United Kingdom)

15:10 ***SS1-8***

Skeletal muscle oxidative metabolism and exercise tolerance

Grassi B. et al (Italy)

16:10 ***SS1-9***

Long-term training for community-dwelling people over 75: impact on muscle function, functional ability and life style

Capodaglio P. et al (Italy)

Hall 1

IS23
Overtraining: markers and methods

Mester J. (Germany)

17:00 ***IS23-1***
Time series analysis: Special tools for assessing training effects and overtraining
Mester J. et al (Germany)

17:20 ***IS23-2***
Coping with ultra-endurance load: overtraining?
de Marees M. et al (Germany)

17:40 ***IS23-3***
The narrow margin between non-functional overreaching and overtraining syndrome
Meeusen R. (Belgium)

18:00 ***IS23-4***
"Markers" of neuromuscular strategies to reveal short-term overloading of intensive SSC exercise"
Nicol C. et al (France)

Hall 2

IS24
Motor unit behaviour during exercise

Petersen N. (Denmark)

17:00 ***IS24-1***
Muscle fibre properties during active lengthening
Pinniger G. et al (United Kingdom)

17:15 ***IS24-2***
Properties of human respiratory motor units
Butler J. et al (Australia)

17:30 ***IS24-3***
Motor unit activity during contralateral associated contractions
Zijdewind I. et al (Holland)

17:45 ***IS24-4***
Investigating the neural control of motor units in man
Petersen N. (Denmark)

18:00 ***IS24-5***
Neural control of motor unit activity during exercise
Taylor J. et al (Australia)

Hall 3

ES3 EFSMA -Exchange Symposium
Sport sciences and sports medicine: perceptions, cooperation and future perspectives
Ergen E. (Turkey)

17:00 ***ES3-1***
From medicine and science to sports medicine and sport sciences relations, definitions, historical roots
Ergen E. (Turkey)

17:20 ***ES3-2***
Sport medicine- from biological basis to clinical applications
Pigozzi F. (Italy)

17:40 ***ES3-3***
Uniting sport medicine and sport science: The paradigm of sport genetics
Klissouras V. et al (Greece)

18:00 ***ES3-4***
Coaching science: Is it a flirt or catholic marriage, cooperation with sport medicine and other sciences
Acikada C. (Turkey)

Hall 4

OS46
Physiology 1

Hartmann U. (Germany)

17:00 ***OS46-1***
Reliability of heart rate-oxygen consumption relationship to assess energy expenditure in tennis training sessions
Faina M. et al (Italy)

17:15 ***OS46-2***
Time-of-day effect on vertical jumps performances
Guette M. et al (France)

17:30 ***OS46-3***
Urine cortisol (F) and cortisone (E) in relation to exercise and water intake
Gatti R. et al (Italy)

17:45 ***OS46-4***
Light concentric exercise has a temporarily analgesic effect on DOMS but no effect on recovery from eccentric exercise
Nosaka K. et al (Australia)

Hall 5

OS47
Physiology 2

Rodriguez F.A. (Spain)

17:00 ***OS47-1***
Physiological responses of firefighters during incremental exercise until exhaustion at 10 and 40 °C. A study of performance-related parameters
von Heimburg E. et al (Norway)

17:15 ***OS47-2***
Effect of different frequencies of exercise on endothelium-dependent vasodilation in rat thoracic aorta
Heylen E. et al (France)

17:30 ***OS47-3***
Effects of thigh blood flow partial occlusion on muscle oxygenation and systemic VO2 kinetics during upright cycling
Anastassopoulos S. et al (Greece)

17:45 ***OS47-4***
Do acupuncture-shiatsu treatments influence muscular strength?
Tirelli S. et al (Italy)

18:00 ***OS47-5***
Physiological responses to a simulated synchronized swimming routine in young and adult national level athletes
Bante S. et al (Greece)

Hall 6	Hall 7	Hall 8	Hall 9	Hall 10
OS48 Sports Medicine Boutellier U. (Switzerland)	*OS49* Biomechanics Stapelfeldt B. (Germany)	*OS50* Physiology 3 Geladas N. (Greece)	*OS51* Computer science in elite sport/ Management & Sport Law Balague N. (Spain)	*SS1 Satelite Symposium* Better-Ageing Narici M. (United Kingdom) Ostojic S. (SCG)
17:00 ***OS48-1*** Satellite cells and resistance training in the elderly Mackey A. et al (Denmark)	***17:00*** ***OS49-1*** PCA application for modeling and simulation of running patterns Çilli M. et al (Turkey)	***17:00*** ***OS50-1*** Influence of food restriction and intense training on estral cycle and leptin concentration in rats dos Santos Z.A. et al (Brazil)	***17:00*** ***OS51-1*** Student as a sports organization leader in the faculty Abelkalns I. et al (Latvia)	***16:50*** ***SS1-10*** Physical activity, functionality and well being Fox K. (United Kingdom)
17:15 ***OS48-2*** Relationships between static and dynamic indicators of foot type and the movement coupling of the foot and shank during barefoot running Digby C. et al (United Kingdom)	***17:15*** ***OS49-2*** The influence of joint angle and age on isometric torque and EMG activity of knee flexors muscles Hatzistathis E. et al (Greece)	***17:15*** ***OS50-2*** Effects of Brazilian basketball season in pituitary-adrenal-gonadal responses in professional athletes Batista Jr. M.L. et al (Brazil)	***17:15*** ***OS51-2*** Using spatio-temporal predicates to model situations in field sports Wasicek A. (New Zealand)	
17:30 ***OS48-3*** Risk of osteoarthritis of the hip in basque pelota players Gil S. et al (Spain)	***17:30*** ***OS49-3*** Effects of vibration on isometric muscle contraction at different joint angles Kin Isler A. et al (Turkey)	***17:30*** ***OS50-3*** The effect of recovery interval on heart rate kinetics during repeated maximal rowing exercise in young national level rowers Bogdanis G. et al (Greece)	***17:30*** ***OS51-3*** New improved volleyball recording program Game Stamm R. et al (Estonia)	***17:30*** ***SS1-11*** Round table discussion and conclusions di Prampero P.E. (Italy)
17:45 ***OS48-4*** Physical fitness profile in elderly women with fibromyalgia and healthy controls Valkeinen H. et al (Finland)	***17:45*** ***OS49-4*** The effects of fatigue on torque, agonist and antagonist electromyographic activity at different angular intervals during a submaximal isokinetic concentric fatigue test Hassani A. et al (Greece)	***17:45*** ***OS50-4*** HR and VO2 responses during basketball drills Castagna C. et al (Italy)	***17:45*** ***OS51-4*** Circumstances in Finnish canoeing Pavelka B.J. (Finland)	
18:00 ***OS48.5*** Heart rate variability (HRV) after heart surgery in children and adolescents Rosenhagen A. et al (Germany)	***18:00*** ***OS49-5*** Influence of contraction intensity and joint angle on median frequency of knee antagonist muscles Tsatalas T. et al (Greece)	***18:00*** ***OS50-5*** Running economy is not affected by leg heating and cooling despite changes in running stride parameters Folland J. et al (United Kingdom)		
18:15 ***OS48.6*** Protective immunoglobulin responses to repeated bouts of downhill running McKune A.J. et al (South Africa)	***18:15*** ***OS49-6*** Reflection of muscle force output during trunk rotation movement to athletic performance in male throwers Tsunoda N. et al (Japan)			

Hall 1	Hall 2	Hall 3	Hall 4	Hall 5
IS25 Motor variability and movement performance Jaric S. (USA)	*IS26* Are oxidants generated during exercise damaging or beneficial? Caporossi D. (Italy) Jackson M.J. (United Kingdom)	*IS27* Sport and mass media Pfister G. (Denmark)	*OS52* Genetics & Molecular Biology Rogozkin V. (Russia)	*OS53* Physiology 1 Bärtsch P. (Germany)
09:40 ***IS25-1*** Motor variability and stability of motor performance Latash M. (USA)	***09:40*** ***IS26-1*** Mechanisms of generation and actions of reactive oxygen species during muscle contraction Jackson M. (United Kingdom)	***09:40*** ***IS27-1*** Those absent from the stadium are always right': accelerated culture and sports media Redhead S. (United Kingdom)	***09:40*** ***OS52-1*** The role of natural killer cell numbers and natural killer cytotoxic activity after six weeks of testosterone enanthate administration in healthy young males Marshall-Gradisnik S. et al (Australia)	***09:40*** ***OS53-1*** Exercise mode and the rating of perceived exertion at the gas exchange threshold Hill D. et al (USA)
			09:55 ***OS52-2*** Type 1 diabetes and exercise have opposite effects on the expression of genes typical for oxidative muscle cells in skeletal muscle of mice Silvennoinen M. et al (Finland)	***09:55*** ***OS53-2*** Core temperature and hydration status during an Ironman triathlon Laursen P. et al (Australia)
10:00 ***IS25-2*** Changes in structure of variability associated with practice Jaric S. (USA)	***10:00*** ***IS26-2*** Role of xanthine oxidase-derived free radicals in the generation of miogenic and mitochondriogenic signals in muscle during exercise Vina J. (Spain)	***10:00*** ***IS27-2*** Media sport and „Doing Gender" Pfister G. (Denmark)	***10:10*** ***OS52-3*** Changes in NF-?B activation and Mn-SOD expression induced by sprint exercise Almar M. et al (Spain)	***10:10*** ***OS53-3*** Myocardial stress during and after ultra-endurance running in extreme heat Leithäuser R.M. et al (United Kingdom)
10:20 ***IS25-3*** Variability in the measurement of dynamic strength using isokinetic dynamometry Baltzopoulos V. (United Kingdom)	***10:20*** ***IS26-3*** Antioxidants and gene expression in skeletal muscle Hellsten Y. et al (Denmark)	***10:20*** ***IS27-3*** The Olympic games and the mediated construction of national identities von der Lippe G. (Norway)	***10:25*** ***OS52-4*** Changes in monocarboxylate transporter (MCT) gene and protein expression in human skeletal muscle: affects of sprint training Bentley D. et al (Australia)	***10:25*** ***OS53-4*** Relationship between %HRmax, %HRR, %VO2max and %VO2R in elite cyclists Lounana J. et al (France)
10:40 ***IS25-4*** Variability of maximal muscular performance in elite athletes Zatsiorsky V. (USA)	***10:40*** ***IS26-4*** Exercise and cellular damage: the way to adaptat to ROS-induced apoptosis Caporossi D. et al (Italy)	***10:40*** ***IS27-4*** Sports films as a medium of popular culture Bandy S. (Denmark)	***10:40*** ***OS52-5*** Study of hepatocyte growth factor (HGF) in soleus muscles of rats after intense exercise Mokrushin A. et al (Russia)	***10:40*** ***OS53-5*** Modeling the influence of body size on muscle power: the effect of stretch-shortening cycle Markovic G. et al (Croatia)
				10:55 ***OS53-6*** Effects of acute and chronic high intensity exercise on muscle protein metabolism Rogatto G.P. et al (Brazil)

Hall 6

OS54
Coaching & Performance

Tihanyi J. (Hungary)

09:40 ***OS54-1***
The impact of the three points per win rule on goals scored in international football competitions
Bloyce D. et al (United Kingdom)

09:55 ***OS54-2***
Crucial motoric abilities for a high efficiency in a modified way of wrestling
Cvetkovic C. et al (SCG)

10:10 ***OS54-3***
The most decisive moments of basketball games. An exploratory study using partial time and game final results
Ferreira A.P. et al (Portugal)

10:25 ***OS54-4***
Highly intensive interval like training and its impact on endurance and recovery capacity
Frische M. et al (Germany)

10:40 ***OS54-5***
Correlations between strength capacities and technique in breaststroke with athletes at agonistic level
Invernizzi P. et al (Italy)

10:55 ***OS54-6***
Comparison of the characteristics of power output in professional stage and road cycling races
Weber S. et al (Germany)

Hall 7

OS55
Physiology 2

Klissouras V. (Greece)

09:40 ***OS55-1***
Recovery of performance during repeated bouts of rowing exercise with different rest intervals
Mavrommataki E. et al (Greece)

09:55 ***OS55-2***
Evaluation of muscle fatigue resistance in the elderly
Mets T. et al (Belgium)

10:10 ***OS55-3***
The effect of long distance running on T-reflex, H-reflex and muscle-tendon unit properties
Moritani T. et al (Japan)

10:25 ***OS55-4***
Baseline value and response of serum angiotensin converting enzyme activity to acute dynamic exercise
Nakas-Icindic E. et al (Bosnia-Herzegovina)

10:40 ***OS55-5***
Maximal lactate steady state in patients with coronary heart disease, healthy subjects and sport students
Primus A. et al (Austria)

10:55 ***OS55-6***
Alterations in plasma free amino acids (AA) in two elite cycling teams during the Tour of Spain
Smith L. et al (South Africa)

Hall 8

OS56
Physiology

Iellamo F. (Italy)

09:40 ***OS56-1***
Isokinetic strength ratios of the shoulder rotator muscles in elite swimmers
Alves F. et al (Portugal)

09:55 ***OS56-2***
Changes in quadriceps oxygenation and blood lactate accumulation in hiking
Athanasopoulos D. et al (Greece)

10:10 ***OS56-3***
Effects of compression tights on haemodynamic parameters during quiet resting supine and standing
Bringard A. et al (France)

10:25 ***OS56-4***
Effect of active versus passive recovery on metabolism and performance during subsequent treadmill running
Cortis C. et al (Italy)

10:40 ***OS56-5***
Percentage contribution of auxiliary muscle to the slow component of oxygen uptake
Demarie S. et al (Italy)

Hall 9

OS57
Physical Activity, Health & Fitness

Ring S. (Finland)

09:40 ***OS57-1***
Relation between daily physical activity and blood pressure according to the sexual maturational stages. A study carried out with boys in Porto district
Gaya A.R. et al (Portugal)

09:55 ***OS57-2***
Cross-sectional and retrospective questionnaire-trial to evaluate the exercise-habits in a sample of HIV-infected individuals with type 2 diabetes mellitus
Codella R. et al (Italy)

10:10 ***OS57-3***
Associations between physical activity patterns and aerobic fitness levels in Greek adolescents
Bouziotas C. et al (Greece)

10:25 ***OS57-4***
Physical fitness and excess body fat in Spanish adolescents. Results from the AVENA Study
González-Gross M. et al (Spain)

10:40 ***OS57-5***
Does a technical device support a self-administered exercise training to enhance aerobic fitness?
Ring S. et al (Austria)

Hall 10

OS58
Biomechanics/Motor control

Arampatzis A. (Germany)

09:40 ***OS58-1***
Resting tension of the triceps surae muscle group influences temporal neuromuscular control of maximal voluntary contraction
Berry H. et al (United Kingdom)

09:55 ***OS58-2***
Short term adaptation to sensorimotor training
Brand S. et al (Germany)

10:10 ***OS58-3***
Mechanical responses elicited by a mechanical and electrical stimulation after different muscle activities
Ogiso K. et al (Japan)

10:25 ***OS58-4***
Neuromuscular fatigue after electrical stimulation of the quadriceps femoris muscle
Zory R. et al (France)

10:40 ***OS58-5***
Muscle fatigue in alpine skiing: determination through phase shifting in EMG?
Kroell J. et al (Austria)

Hall 1	Hall 2	Hall 3	Hall 4	Hall 5
IS28 Exercise, muscle damage and rehabilitation Lambert M. (South Africa)	*IS29* Cardiovascular aspects of exercise and endurance training Dickhuth H.H. (Germany)	*ES4* JSPFSM Exchange Symposium Katsumura T. (Japan)	*IS30* Young talent identification in soccer Hartmann U. (Germany)	*OS59* Physiology 1 Dela F. (Denmark)
11:40 ***IS28-1*** Background to the condition of acquired training intolerance resulting from repetitive muscle damage Lambert M. (South Africa)	***11:40*** ***IS29-1*** Heart-rate recommendations in running and cycling exercise Dickhuth H. (Germany)	***11:40*** ***ES4-1*** Effects of mild to moderate intensity physical activity on carotid arterial stiffness in normotensive postmenopausal females Sugawara J. et al (Japan)	***11:40*** ***IS30-1*** What is “speed” in soccer? – A critical refelection under energetic aspects Hartmann U. et al (Germany)	***11:40*** ***OS59-1*** Effects of upright and supine cycling exercises on muscle oxygenation and activity Denis R. et al (France)
				11:55 ***OS59-2*** Diving: analysis of force capacity Paci G. et al (Italy)
12:00 ***IS28-2*** Clinical evidence of acquired training intolerance Derman W. (South Africa)	***12:00*** ***IS29-2*** Exercise prescription based on heart rate in cardiovascular rehabilitation Pocan R. (Austria)		***12:00*** ***IS30-2*** Sport science support strategies for elite english youth players Drust B. (United Kingdom)	
		12:10 ***ES4-2*** Bilateral deficit on isometric force during knee extension and flexion movements in advanced male skiers Aoba T. et al (Japan)		***12:10*** ***OS59-3*** The influence of hyperthermia in sauna on some hormonal changes in young women Pilch W. et al (Poland)
12:20 ***IS28-3*** Evidence of repetitive muscle damage at the molecular level Collins M. (South Africa)	***12:20*** ***IS29-3*** Influence of respiratory muscle training upon exercise performance in athletes Boutellier U. (Switzerland)		***12:20*** ***IS30-3*** Development of physical fitness in elite junior soccer players Spitzenpfeil P. et al (Germany)	***12:25*** ***OS59-4*** Anaerobic performance and monocarboxylate transporters after an intermittent hypoxic training period Roels B. et al (France)
12:40 ***IS28-4*** Repetitive muscle damage and the cytokine hypothesis Smith L. (South Africa)	***12:40*** ***IS29-4*** Limitation of exercise performance due to impaired vascular blood flow in endurance athletes Sandrock M. (Germany)		***12:40*** ***IS30-4*** Determination and development of specific motor abilities in young Austrian elite soccer players Schimpl G. et al (Austria)	

Hall 6

OS60
Physiology 2

Zivanic S. (SCG)

11:40 ***OS60-1***
Study of heart rate, blood lactate kinetics and shooting precision during a handball game
Silva H. et al (Portugal)

11:55 ***OS60-2***
The first heart sound just after the exercise as an index of exercise stress
Tanaka H. et al (Japan)

12:10 ***OS60-3***
Regional difference in muscle deoxygenation in a single muscle at rest and during bicycle exercise
Kime R. et al (Japan)

Hall 7

OS61
Nutrition & Exercise

Jeukendrup A. (United Kingdom)

11:40 ***OS61-1***
Muscle glycogen depletion and BCAA supplementation in trained rats: influence on performance and anaplerotic reactions
Campos P. et al (Brazil)

11:55 ***OS61-2***
Effect of glutamine supplementation on changes levels of plasma glutamine and immune factors in wrestling
Bananaeifar A. et al (Iran)

12:10 ***OS61-3***
Energy, macronutrient, fluid and dietary supplement intake in Olympic-Level winter sport athletes
DeLoach J. et al (USA)

12:25 ***OS61-4***
Increased running performance of undernourished in response to endurance training
Giampietro M.V. et al (Brazil)

12:40 ***OS61-5***
The effects of taurine supplementation on eccentric exercise-induced muscle damage
Kudak H. et al (Turkey)

Hall 8

OS62
Coaching & Performance

Hakkinen K. (Finland)

11:40 ***OS62-1***
Strength training periodization for young soccer players
Mil-Homens Santos P. et al (Portugal)

11:55 ***OS62-2***
The learning of the dolphin stroke in the sport swimming: comparison between the global learning and the subdivided analytical one in adult beginners
Scurati R. et al (Italy)

12:10 ***OS62-3***
Influence of recovery mode on performance during a single intermittent session
Thevenet D. et al (France)

12:25 ***OS62-4***
Effects of an eccentric training with supramaximal muscle actions and the development of different strength parameters
Wirth K. et al (Germany)

12:40 ***OS62-5***
Time analysis of the 110 m hurdle race performance in elite level male hurdlers
Tsiokanos A. et al (Greece)

Hall 9

OS63
Sports Psychology

Helsen W. (Belgium)

11:40 ***OS63-1***
Psychophysiological diagnostics of functional states in wrestler
Korobeynikov G. et al (Ukraine)

11:55 ***OS63-2***
The congruency between the soccer coach expectations and behaviours in the instruction before the competition
Rodrigues J. et al (Portugal)

12:10 ***OS63-3***
Physical and psychological symptoms of stress: effects of acute stretching exercise and music listening
Valim-Rogatto P.C. et al (Brazil)

12:25 ***OS63-4***
Necessity of including tactical skills measurement in a field hockey talent developmental program
Visscher C. et al (Holland)

12:40 ***OS63-5***
Social physique anxiety and body image satisfaction in athletes and non-athletes: their relationship with body appearance discrepancy and body composition
Mulazimoglu-Balli O. et al (Turkey)

12:55 ***OS63-6***
Self-perception of health and illness profile (CHIP-CE) among different levels of physical activity in school children
Rodríguez Perea M. et al (Spain)

Hall 10

OS64
Biomechanics

Latash M.L. (USA)

11:40 ***OS64-1***
Changes of kicking kinematics following intermittent exercise in soccer
Katis A. et al (Greece)

11:55 ***OS64-2***
Dynamic calibration of strength training machines and its applications
Yue Z. et al (Germany)

12:10 ***OS64-3***
Predictions of the human gait transition speeds between W and R at different grade conditions: the TS- mathematical modelling approach
Harun H. et al (United Kingdom)

12:25 ***OS64-4***
Plantar pressure and peak vertical ground reaction forces in step exercise (Knee Lift). Influence of music speed
Santos-Rocha R. et al (Portugal)

12:40 ***OS64-5***
Effect of takeoff angle change on takeoff velocity and flight distance in swim-start
Takeda T. et al (Japan)