

11th INTERNATIONAL
CONFERENCE ON
KINANTHROPOLOGY // 

CONFERENCE PROGRAMME

Brno, Czech Republic

Welcome to the

11th INTERNATIONAL CONFERENCE ON KINANTHROPOLOGY
"Sport and Quality of Life"

Faculty of Sports Studies
Masaryk University

in collaboration with

Faculty of Kinesiology
University of Zagreb

Conference is held under the auspices of the Ministry of Education, Youth and Sports

November 29 - November 30, 2017
Brno, Czech Republic

GENERAL PROGRAMME

Wednesday, November 29, 2017

14:00 – 18:00 Registration (Continental Hotel)

17:00 – 20:00 **Opening Ceremony (Scala Cinema)**

Opening lectures:

18:00 – 18:30 **Dr. João Breda**

18:30 – 19:00 **Dr. Adrian Hutber**

Welcome drink

Thursday, November 30, 2017

8:00 – 14:00 Registration (Continental Hotel)

9:00 – 12:30 Presentations in Sections (Continental Hotel)

9:00 – 10:30 Healthy lifestyle, Active aging HALL 2

11:00 – 12:00 Ph.D. section HALL 2

9:00 – 12:00 Analysis of human movement HALL 3

9:00 - 12:00 Sport medicine HALL 4

9:00 - 12:00 Sport and Social Sciences HALL 6

9:00 - 12:00 Sport training HALL 7

10:30 - 11:00 Coffee break

12:00 – 13:00 Lunch break

14:30 - 15:00 Coffee break

13:00 – 17:30 Presentations in Sections (Continental Hotel)

13:00 - 17:30 Sport management HALL 6

13:00 - 17:30 Ph.D. section (continuation) HALL 2

13:00 - 14:30 Gymnastics and dance HALL 3

15:00 – 17:30 Poster section HALL 4

16:00 – 18:00 Guided City Tour (guide will wait at the reception of Continental Hotel)

19:00 – 24:00 Social Evening (Faculty of social studies atrium)

OPENING LECTURE IS DELIVERED BY

Dr. João Breda

Programme Manager, Nutrition, Physical Activity and Obesity
World Health Organization in the European Region

Dr. Adrian Hutber

Vice President of Exercise is Medicine at the American College of Sports Medicine

CONFERENCE PROGRAMME

ANALYSIS OF HUMAN MOVEMENT

Hall 3

CHAIRS: prof. Dr. Rado Pišot, Gheorghe Balint, Ph.D.

OPENING LECTURE:

9:00

| | | |
|--------------|---------------------|---|
| 9:30 | Gimunová Marta | The effect of babywearing on maternal gait: a case study |
| 9:40 | Hruša Petr | Comparison of Physical Preparedness of Football Referees of Different Competition Levels |
| 9:50 | Krnáčová Adriana | Kinematic characteristics of side somersault on the beam |
| 10:00 | Krska Peter | Sport Performance Structure in Female Pole Vault from the Point of View of Physical Activity Kinematic Parameters |
| 10:10 | Matošková Petra | Analysis of the one-handed overhead throw in students of the 2nd grade of Faculty of Physical Education and Sport Charles University |
| 10:20 | Pravečková Petra | Differences in the timing of baseball swing in different conditions for hitting of elite baseball players in the Czech Republic |
| 10:30 | Coffee break | |
| 11:00 | Salcman Václav | Comparing the quality of stereopsis in handball players and swimmers at the age of 5-10 years |
| 11:10 | Šťastný Jan | Relation Between the Speed of Front Crawl Swimming with Either the Arms Only or Flutter-kicking in Group of Junior Category Male Swimmers |
| 11:20 | Vrbas Jaroslav | MOBAK 3 - Presentation of a test battery of basic motor competencies and selected results of the Czech Republic and Switzerland. |
| 11:30 | Tůma Martin | Analysis of the one-handed overhead throw in students of the 2nd grade of Faculty of Physical Education and Sport Charles University |
| 11:40 | Balaban Vlado | The relationship between objectively measured physical activity and fundamental motor skills in 8 to 11 years old children |
| 11:50 | Pačes Jiří | Analysis of the level of anthropometric and speed agility characteristics of male and female players aged 11-12 |

SPORT MEDICINE

Hall 4

CHAIRS: ass. prof. Aleksandar Ignjatovic, doc. MUDr. Luboš Hrazdira, CSc.

OPENING LECTURE:

9:00

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|-------|---------------------|--|
| 9:30 | Zháněl Jiří | Lateral difference in the level of the 9-10 years old Czech female tennis players' hand strength in the context of injury prevention |
| 9:40 | Chocholová Lucie | Effect of hormone yoga therapy on symptomatic manifestations of dysfunctions in the endocrine and reproductive systems |
| 9:50 | Grznár Luboš | Anthropometry, body composition and ACE genotype of elite female competitive swimmers and synchronised swimmers |
| 10:00 | Horáček Jan | How hard is work with personal computer and how to measure it - Thermographic methods. Not new, but still just promising |
| 10:10 | Chaloupská Pavlína | Overuse injuries among elite male orienteers in adolescent categories in the Czech Republic |
| 10:20 | Kotlík Kamil | Medical and Behavioural Characteristics of the Secondary School Teachers of Physical Education |
| 10:30 | Coffee break | |
| 11:00 | Machová Lucie | The implications of Respiratory Muscle Training in Professional Athletes |
| 11:10 | Malátová Renata | Breathing pattern of restful and deep breathing |
| 11:20 | Polakovičová Mája | The association of ACE polymorphism with explosive leg-muscle power in elite volleyball players |
| 11:30 | Řezaninová Jana | Ultrasound Diagnostics of Lateral Ankle Instability |
| 11:40 | Struhár Ivan | Effects of compression calf sleeves on force production during concentric and eccentric muscle testing |
| 11:50 | Vaculíková Pavlína | The difference between type of physical activity on the values of blood |
| 12:00 | Vysoký Robert | Respiratory training combined with aerobic training in patient with dilated cardiomyopathy – a case study |

SPORT TRAINING

Hall 6

CHAIRS: prof. Damir Knjaz, Ph.D., Assoc. Prof. PaedDr. Pavel Ružbarský, PhD.

OPENING LECTURE:

9:00 Damir Knjaz Differences in agility tests in male and female U16 and U18 basketball players

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|-------|---------------------|---|
| 9:30 | Agricola Adrián | The comparison of the influence of the Age Effect between elite junior male and female tennis players |
| 9:40 | Bozděch Michal | The Relative Age Effect in World Junior Tennis Finals 2012-2016 (male) |
| 9:50 | Chaloupsky David | Contemporary trend in travelling of elite sport climbers |
| 10:00 | Kalichová Miriam | Butterfly swimming technique variations during an exhaustive swim exercise |
| 10:10 | Kuna Danijela | Methodical model for correction of common mistake in the Basic ski turn performance |
| 10:20 | Lenik Paweł | The impact of exercises with the use of a reaction ball on the eye-hand coordination of basketball players |
| 10:30 | Coffee break | |
| 11:00 | Motyčka Jaroslav | Introducing an inertial measuring method with synchronous video recording based the case study analysing the front crawl, back stroke, breast stroke and butterfly stroke |
| 11:10 | Vencúrik Tomas | Factors influencing passing skills during competitive basketball games |
| 11:20 | Grasgruber Pavel | The physique of national olympic teams and implications for talent selection |
| 11:30 | Miodrag Spasic | Should we observe standing- and running-vertical-jumps as unique or separated qualities for high-level basketball players |

SPORT AND SOCIAL SCIENCES

Hall 7

CHAIRS: Assoc. Prof Piotr Oleśniewicz, Ph.D., Assoc. Prof. PaedDr. Emanuel Hurych, Ph.D.

OPENING LECTURE

9:00

| | | |
|-------|---------------------|--|
| 9:30 | Akelaitis arturas | The education of social skills among senior high school age students in physical education classes |
| 9:40 | Bartoluci Sunčica | Croatian basketball in contemporary society - where has national identity disappeared? |
| 9:50 | Hurych Emanuel | Behavior of slavia prague football fans: some selected ethical aspects |
| 10:00 | Lisinskiene Ausra | Parent–athlete interpersonal relationship in sport: the importance of attachment |
| 10:10 | Olaitan Saseyi | The role of some moderating variables that we should not ignore in Organised Physical Education, Sports and in adolescence motivation. |
| 10:20 | Růžičková Kamila | The level of inclusion of students with visual impairment in physical education lessons in Czech schools |
| 10:30 | Coffee break | |
| 11:00 | Sekot Aleš | Olympic versus Olympic Games |
| 11:10 | Slepičková Irena | Social demographic factors and doping of Czech adolescents |
| 11:20 | Vlček Petr | Integrating Physical Education and Geography in the realised curriculum – a questionnaire survey in the Czech Republic, the Republic of Slovenia and Denmark |
| 11:30 | Trávníček Marek | The volume and intensity of motoric load of primary school children in the implementation of integrated fieldwork education. |
| 11:40 | Valkounová Eva | Selected views of students to the student evaluation of sports teaching |
| 11:50 | Válková Hana | Physical activity of Special Olympians during a summer outdoor camp |
| 12:00 | Vičar Michal | Psychological Characteristics in Sport Talent Development |

SPORT MANAGEMENT

Hall 6

CHAIRS: Brian R.G. Minikin B.Phys Ed (Hons), M.Sc.

OPENING LECTURE

13:00 Brian R.G. Minikin

The Yin and the Yang

| | | |
|-------|---------------------|--|
| 13:30 | Svobodová Zora | Leaving Competitive Sport in the Czech Context |
| 13:40 | Chaudhuri Suit | Audit of Corporate Climate in Sport Related Organizations |
| 13:50 | Feltlová Dana | Physical activity and socio-economic status |
| 14:00 | Honcová Martina | The effects of sport involvement in a corporate strategy on employee loyalty – focus on young graduates in economics |
| 14:10 | Hrušová Dagmar | Running Races in Hradec Králové and Their Influence on Tourism Development |
| 14:20 | Kuchar Robert | Economic indicators and their impact on attendance |
| 14:30 | Coffee break | |
| 15:00 | Tripes Stanislav | Perception of stakeholders in Non-profit sport organizations |
| 15:10 | Možnik Mario | Countries efficiency on world championships in artistic gymnastics |
| 15:20 | Bejani Abolfazl | The Perception of Sport Management Students towards the Competency of Sport Organizations Managers |
| 15:30 | Afshari Mostafa | Postmodernism in Sport Management and Sport Development:Requirements, Proceedings |

HEALTHY LIFESTYLE, ACTIVE AGING

Hall 4

CHAIRS: prof. Dr. Václav Bunc, Ph.D.

OPENING LECTURE

9:00 prof. Dr. Václav Bunc, Ph.D.

Movement activities as a prerequisite for quality lifestyle and active aging

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| 9:30 | Alena Cepková | Posture and lower back pain of university students. |
| 9:40 | Hrazdíra Eduard | Body height, body composition and lifestyle of Czech high school students |
| 9:50 | Mitáš Josef | Neighborhood walkability and physical activity in Czech adolescents national study |
| 10:00 | Sklenaříková Jana | The level of physical abilities of healthy seniors and patients with mild cognitive impairment |
| 10:10 | Svobodová Lenka | Association between the Fear of Falling and the Level of Physical Activity in Older Adults |
| 10:20 | Teplicancova Maria | Free-time Activities of Children of Younger and Older School Age |

NUTRITION AND REGENERATION IN SPORT

Hall 7

CHAIRS: ass. prof. RNDr. Viktor Bielik, PhD.

OPENING LECTURE

13:00 ass. prof. RNDr. Viktor Bielik, PhD.

Why mathematical modeling of nutrition does not always work for athletes

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|-------|-----------------|---|
| 13:30 | Hrnčířiková Iva | Examination of autonomic nervous system activity in hematological patients |
| 13:40 | Kumstát Michal | Hydration for better performance - autonomous or prescribed drinking regime? |
| 13:50 | Růžička Ivan | Verification of lag-time of pellets with controlled release of glucose during various physical activities |

GYMNASTICS AND DANCE

Hall 3

CHAIRS: Prof. Dr. Anita Hökelmann

OPENING LECTURE:

13:00 Anita Hökelmann

The performance profile of dance and effects on the brain

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|--------------|--------------------|---|
| 13:30 | Hedbávný Petr | The level of selected gymnastic abilities in elementary school pupils |
| 13:40 | Luptáková Jana | Parameters of postural sway after specific exercises and gymnastics performance |
| 13:50 | Moc Králová Dagmar | Physiological Aspects of Musculoskeletal System In Classical Dance |
| 14:00 | Skotáková Alena | The effect of dance interventions on the level of chosen physical abilities in elderly people |

PH.D. SECTION

Hall 2

CHAIRS: **prof. dr. Matthieu Lenoir, Dr. João Breda**

OPENING LECTURE:

11:00 prof. dr. Matthieu Lenoir The role of general motor coordination in talent identification and development in sport

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|-------|--|--|
| 11:30 | Besic Damir | Number of steps and sedentary time during two weekdays and two weekend days in 7-10 years old children who did not meet steps/day recommendation |
| 11:40 | Blažej Adam | Fostering intrinsic motivation and satisfaction with training sessions among sporting children and youth |
| 11:50 | Bokůvka Dominik | Relationship between maximum leg curl/leg extension performance and 10m sprint performance of amateur soccer players |
| 12:00 | break | |
| 13:00 | Honcová Martina | The effects of sport involvement in a corporate strategy on employee loyalty – focus on young graduates in economics |
| 13:10 | Hromčík Adam | Sensorimotor skills and specific timing in adolescent population 6-18 years |
| 13:20 | Janák Ondřej | Analysis of the game characteristics of a final juniors match U14 at World Junior Tennis Finals (WJTF) in 2014 |
| 13:30 | Kolínský Roman | Lateral differences in maximal grip strength in Czech tennis players aged 9 – 10 in the context of injury prevention |
| 13:40 | Novák Jan | Comparison of response capabilities among students of Special Education of Security Sections study programme, combat sports athletes and physically inactive persons |
| 13:50 | Tomislav Uzelac-Šćiran, Vlatko Vučetić | Evaluation of anaerobic threshold in elite handball players on different playing positions using rating of perceived exertion |
| 14:00 | Péliová Katarína | Influence of different aerobic programs on stability parameters in women |
| 14:10 | Protic Mladen | Influence of physical activity on executive functions in children with intellectual disabilities |
| 14:20 | Vajda Petr | Perception of facial attractiveness of non-contact and combative athletes |
| 14:30 | Coffee break | |

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| 15:00 | Válek Štěpán | Does a relative age effect force dropout of youth sports? A study of six primary schools in Olomouc, Czech Republic |
| 15:10 | Žák Michal | How one year of systematic training changes the shooting performance in a group of young biathletes? |
| 15:20 | Danijela Grgić | Running dynamics in 400m sprint event |
| 15:30 | Mark Lochbaum | Task and Ego Goal Orientations across the Youth Sports Experience |
| 15:40 | Ivan Milinović, Lovro Štefan, Marko Čule | Evaluation of anaerobic threshold in elite handball players on different playing positions using rating of perceived exertion |
| 15:50 | Stražilová Kateřina | The influence of social interaction: motivation gain of group training in children |
| 16:00 | Ivana Klaričić, Matea Cvitanović, Tihomir Vidranski | Differences in physical activity level, estimated by questionnaire, between 3th and 4th grade pupils of elementary school |
| 16:10 | Mia Masnjak, Sanja Šalaj, Bartol Benko | Parents' education level and household income is not related to motor skills of preschool children |
| 16:20 | Šimková Katarína | Common Elements of Socialization in Sport - a summary through the Career Transition Theory |
| 16:30 | Trochta Pavel | Use of Intrinsic Motoric Imagination on the Level of Muscular Strength |

POSTER SECTION

Hall 4

CHAIRS: Dr. Tomáš Vespalec

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| 15:00 | Elavsky Steriani | Mobile Health Interventions to Support Behavioral Health in Older Adults: A Systematic Literature Review |
| 15:05 | Knapová Lenka | Mobile Health Interventions to Support Behavioral Health in Older Adults: A Systematic Literature Review |
| 15:10 | Melinis Rimantas | Identifying and promoting the psychological characteristics of talented adolescent athletes |
| 15:15 | Vašíčková Jana | Trends in assessment of school physical education lessons by pupils: 2002-2016 |
| 15:20 | Vodička Tomáš | Unilateral and bilateral muscular strength dysbalances of knee joint in elite junior tennis players. |
| 15:25 | Vlašić Jadranka | Attitudes toward dance and gender differences of kadets of military college |
| 15:30 | Cigrovski Vjekoslav | Biomechanical field study of slalom turn during second run Snow Queen Trophy race |
| 15:35 | Jadranka Vlašić | Determining the general health status of Czech boys between the ages of 13 and 16 years by using the FitnessGram Battery tests |
| 15:40 | Ružić Lana | Designing the strength training protocol that might elicit similar BDNF responses as standardly recommended aerobic exercise |
| 15:45 | Jere Gulin | Effects of RunningMax® gel in skin temperature values and training recovery |
| 15:50 | Ohnjec Katarina | Performance analysis of Women's Youth Beach Handball World Championship 2017 |
| 15:55 | Prosoli Rebeka | Reasons behind success and failure in sport |
| 16:00 | Rakovac Marija | Effects of physical exercise in elderly people with dementia – a review |
| 16:05 | Horvatin Maja | Influence of upper body strength on burpee30 test performance |
| 16:10 | Bor Oreb | Biomechanical field study of slalom turn during second run Snow Queen Trophy race |
| 16:15 | Gruić Igor | Gait Asymmetries in Sport and Medicine: Handball vs. Ankylosing Spondylitis |
| 16:20 | Matković Branka | Angle values as kinematic parameters for describing movement on ski simulator |
| 16:25 | Robert Zekić, Vlatko Vučetić, Tena Pejčić | Differences in testing the assessment of maximum oxygen uptake and sprint of young volleyball and handball players |
| 16:30 | Sanja Ljubičić, Tomislav Uzelac-Šćiran, Andrea Kusić | The differences in morphological characteristics of female athletes - olympic finalists in throwing disciplines from 2000 to 2016 |

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| 16:35 | Dalibor Kiseljak, Krešimir Pažin, Filip Bolčević | Differences between body composition parameters in university students according to self rated health status |
| 16:40 | Lucija Milčić, Kamenka Živčić Marković, Aleksandra Aleksić-Veljković | One way proceeding of learning basic gymnastic elements |
| 16:45 | Almin Hopovac, Zdenko Klarić | The influence of training on HRV |
| 16:50 | Evica Obadić, Ivana Kerner and Branimir Blaić | The government's role in decreasing the cost of public health insurance in the republic of croatia |

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Dr João Breda, PhD, MPH, MBA

WHO Regional Office for Europe

Dr. Adrian Hutber

Exercise is Medicine, USA

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Vice-chairman of Czech Society of Sports Medicine

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Faculty of Medicine and Health Sciences, University of Ghent, Belgium

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Natalija Babić
Faculty of Kinesiology, Univerzity of Zagreb

Mgr. Roman Drga

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Ing. Zuzana Sajdlová, Ph.D.

GENERAL TOPICS

GENERAL INFORMATION

Language

The official language of conference is English for all presentations. Interpretation into English will be arranged for introductory speeches of Czech representatives during the Opening Ceremony.

Oral Presentations

All thematic sections include one 25 minutes keynote lecture and 5 minutes for discussion or questions.

Oral presentations consist of 6 minutes presentation and 3 minutes for discussion or questions. All presenters should be available at the lecture room 10 minutes before the beginning of the section to upload their presentation and check its functionality.

All submitted papers will be reviewed. Accepted papers will be published in Proceedings of the conference. Proceedings will be submitted for acceptance in Scopus and Web of Science® databases.

Poster Presentations

There is one poster section during the conference. The posters will be exhibited in HALL 4. The authors are requested to be available 20 minutes before the beginning of the section for putting up their posters and also be available at their posters during the poster section according to program.

Registration Desk

Registration desk at the Continental Hotel (see map 2) is open throughout the conference. Please be so kind and make your registration before starting the programme.

Wednesday 29/11 14:00 – 18:00

Thursday 30/11 8:00 – 14:00

Name tag

Participants and visitors registered to the conference will receive a name tag at the registration desk. Name tags are required to identify members of the conference and must be worn throughout scientific events, coffee breaks and social evening.

Internet Access

Free Internet Access is available in Continental Hotel. In all buildings of Masaryk University Internet Access is available via Eduroam.

Refreshment

In registration fee is included:

- Welcome drink during Opening Ceremony
- Coffee breaks on Thursday

Lunch is to be paid cash by each participant on his own in a restaurant of his choice.

Opening Ceremony

Wednesday, November 29, 17:00 – 20:00, Scala Cinema

All registered participants and visitors are invited to the Opening Ceremony in Scala Cinema (see map 1).

Social Evening

Thursday, November 30, 19:00 – 24:00, Faculty of Social Studies

All registered participants and visitors are invited to the Social Evening in Faculty of Social Studies - Joštova 10, Brno

Transport Information

UNIVERSITY CINEMA SCALA

Moravské nám. 3, 602 00 Brno
GPS: N 49° 11.832 E 16° 36.501

Tram stop Moravské náměstí - tram 1
Tram stop Česká - tram 3, 4, 5, 6, 11

Faculty of Social Studies

Joštova 10, Brno

Tram stop Moravské náměstí - tram 1
Tram stop Česká - tram 3, 4, 5, 6, 11

CONTINENTAL HOTEL

Kounicova 6, 602 00 Brno

www.continentalbrno.cz

GPS: 49°12'2.194"N 16°36'16.155"E

Tram stop Moravské náměstí - tram 1
Tram stop Česká - tram 3, 4, 5, 6, 11

