

**12th INTERNATIONAL
CONFERENCE ON
KINANTHROPOLOGY**



Sport and Quality of Life
7—9/11 2019

CONFERENCE PROGRAMME

Brno, Czech Republic

Welcome to the

12th INTERNATIONAL CONFERENCE ON KINANTHROPOLOGY
"Sport and Quality of Life"

Faculty of Sports Studies
Masaryk University

in collaboration with

Faculty of Kinesiology
University of Zagreb

November 7 – November 9, 2019
Brno, Czech Republic

GENERAL PROGRAMME

Thursday, November 7, 2019

9:00 – 15:00	Registration (entrance hall - Faculty of Sports Studies)	
13:00 – 14:30	Opening Ceremony (Faculty of Sports Studies)	
	Opening lectures:	
13:30 – 13:55	ass. prof. MUDr. Julie Dobrovolná, Ph.D.	
14:00 – 14:25	prof. Sarah Johanna (Hanlie) Moss, Ph.D.	
14:30 - 15:00	Coffee break	
15:00 – 17:00	Presentations in Sections	
15:00 - 17:00	Strength and conditioning training	203
15:00 - 17:00	Active ageing and sarcopenia	225
19:30 – 24:00	Social Evening (Faculty of Sports Studies)	

Friday, November 8, 2019 (Faculty of Sports Studies)

9:00 – 11:00	meeting (research in schools)	228
10:00 – 17:30	Presentations in Sections	
10:00 - 14:30	Sport training, nutrition and regeneration	203
10:00 - 14:30	Sport and social sciences	225
15:00 - 16:30	Analysis of human movement	203
15:00 – 18:00	Poster section	corridor A34
12:00 - 13:00	Lunch break	
14:30 - 15:00	Coffee break	

Saturday, November 9, 2019 (Faculty of Sports Studies)

10:00 – 12:30	PhD section (presentation, workshop)	227
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OPENING LECTURE IS DELIVERED BY

13:30

ass. prof. MUDr. Julie Dobrovolná, Ph.D.

14:00

prof. Sarah Johanna (Hanlie) Moss, Ph.D.

Presentations in Sections

Thursday, November 7, 2019

(Faculty of Sports Studies)

Strength and conditioning training

Room 203

CHAIRS: prof. Mgr. Marián Vanderka, PhD.

15:30

OPENING LECTURE

History, position and perspectives of strength development in fitness training

- prof. Mgr. Marián Vanderka, PhD.

15:50

The effect of isometric hip adductors force on change of direction speed of professional ice-hockey players

- Švantner Roman, Brúnn David, Pupiš Martin, Líška Dávid, Sýkora Jozef

16:00

Physical Fitness of Army forces of the Czech Republic

- Bugala M.

16:10

Efficiency of Jumping Preparation in Younger Pupils in Athletics

- Ivan Čillík, Miriam Karperová

16:20

Decision making of semi-professional female basketball players in competitive games

- Tomáš Vencúrik

16:30

The level of explosive strength of lower limbs of slovak republic representants in swimming

- Zuzana Pupišová

16:40

Hypoxic training from the athlete's biological passport point of view

- Martin Pupiš, Vladimír Franek, Zuzana Pupišová

16:50

Exploitation of the scale of rating of perceived exertion (RPE) in armwrestling training

– Harčarik Gabriel

17:00

Isokinetic equipment in the strength training of armwrestlers

– Harčarik Gabriel

17:10

Vliv kinesiotapingu na výsledek ve skoku do dálky z místa

- Aleš Kaplan, Miloš Peca, Iva Hnátová

Active ageing and sarcopenia
Room 225

CHAIRS: doc. MUDr. Julie Dobrovolná, Ph.D.

15:00

Multimodal approach for detecting dementia diseases

- Bernhard Grässler & Anita Hökelmann

15:10

Influence of music-based movement therapies on motoric and cognitive abilities and quality of life for seniors with and without dementia

- Langhans, C., Prinz, A., Rehfeld, K., Hökelmann, A., Witte, K.

15:20

Attitude towards physical activities in a group of pregnant women

- Jana Juříková

15:30

Central obesity and physical activity risk behaviors in early school-age children, cross-sectional representative cohort study in Croatia

- Sanja Music Milanovic, Helena Krizan, Mia Peric, Damir Sekulic

15:40

The impact of different types of physical activity on walking as an essential everyday movement in older adults

- Lenka Svobodova

15:50

Determinants of changes in physical activity levels in late adolescence; prospective analysis in urban communities

- Natasa Zenic, Admir Terzic, Ivan Kvesic

16:00

Viticulture as the optional physical activity for elderly

- Vespalec, Scholz

Friday, November 8, 2019

(Faculty of Sports Studies)

Sport training, nutrition and regeneration

Room 203

CHAIRS: prof. dr. sc. Goran Sporiš

10:00

OPENING LECTURE:

Brain and exercise

- prof. dr. sc. Goran Sporiš

10:20

Pre-season strength profiles of young professional soccer players with injuries of hamstrings and rupture of ACL in the season

- *Ižovská, J*

10:30

Monitoring heart rate variability as a biomarker of fatigue in young athletes

- *Bernaciková Martina*

10:40

The impact of core exercise and myofascial release in the initial part of training on the performance and prevention of injuries in football players

- *Beňuš, P., Líška, D., Gurín, D., Pupiš, M., Pupišová Z*

10:50

The effects of commercially available energy drink on cognitive performance

- *Michal Kumstát, Michal Vičar, Martin Sebera*

11:00

Breathing pattern during load and its change due to interventional program of breathing exercise

- *P. Bahenský, T. Hermann, R. Malátová*

11:10

Differential effects of high-frequency vs. low-frequency swimming programs in recreational swimmers

Efficacy of swimming programs in recreational swimmers

- *Goran Gabrilo, Mia Perić*

11:20

Title: Influence of the intervention program according to Pulmonary Rehabilitation principles on breathing functions of healthy individuals

- *R. Malátová a kol.*

11:30

Associations of the timing of physical activity during the day with duration and quality of sleep in adolescents

- *Jurić P.*

11:40

Effects of immediate mechanotherapy and intermittent contrast water immersion on subsequent cycling performance

- *Ivan Struhár*

11:50

Vitamin D status among youth soccer players; association with chronological age, maturity status, jumping and sprinting performance

- *Ivan Peric, Barbara Gilic, Mateo Blazevic*

12:00 - 13:00	Lunch break
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13:00

Comparison of results of spiroergometry on running and bicycle ergometer of athletes with running and cycling specialization

- *David Marko*

13:10

Eccentric Contractions in the Rehabilitation of Lateral Elbow Tendinopathy: literature review

- *Grgur Kovačić, Josipa Antekolović, Ljubomir Antekolović*

13:30

Reliability and validity of the newly developed tests of football specific change of direction speed and reactive agility in youth players

- *Nikola Foretić, Barbara Gilić, Damir Sekulić.*

13:40

Predicting futsal specific change of direction speed and reactive agility; analysis of specific correlates in top-level players

- *Ivan Zeljko, Miodrag Spasic, Damir Sekulic*

13:50

Intensity of soccer players' training load in small-sided games with different rule modifications

- *Nikolas Nagy, Miroslav Holienka, Matej Babic*

14:00

Differences in self- assessment of preparedness of wrestlers before competition

- *Kristijan Slaćanac, Nenad Žugaj*

14:10

Internal load of soccer goalkeepers during a training process

- *Matej Babic, Miroslav Holienka, Nikolas Nagy*

14:20

Match running performance in relation to a playing position in Croatian Football League

- *Toni Modrić, Šime Veršić, Nikola Foretić*

Sport and social sciences

Room 225

CHAIRS: prof. PhDr. Hana Válková, CSc.

10:00

OPENING LECTURE:

The position of football referees in football of athletes with disability

- Racek O., Válková H.

10:20

The influence of the main financial resources of non-profit sport organisations on their strategy

- Honcová M.

10:30

Sport participation should not be observed as protective against smoking and drinking in adolescence; cross-sectional cluster-based analysis in Croatian southern regions

- Ela Filipovic, Nikolina Catlak, Natasa Zenic

10:40

Some selected historical and philosophical aspects of the principles of kalokagathia and aretē in the mirror of modern sports

- Milena Strachová & Emanuel Hurych

10:50

Personality traits as a prerequisite for proper access to children's sports

- Mladen Marinović

11:00

Novel concept of school physical activity recommendation: Support for health behavior in secondary schools

- Mitáš J.

11:10

Doping knowledge and doping attitudes in competitive bodybuilding

- D. Marić, Š. Veršić, Š. Vasilj

11:20

Reviewing the Czech PE curriculum – selected issues

- Vlček P.

11:30

Boom of road races in the Czech Republic – sport for all or luxury amusement?

- Slepíčková I.

11:40

Analysis of Masaryk University students' interest in sports courses in mandatory physical education

- Radka Střeščíková, Zora Svobodová

11:50

Historical development of the MOBAC test battery and selected results of European countries in the BMC-EU project

- *Vrbaš J.*

12:00 - 13:00

Lunch break

13:00

Parents and their Children's Sports

- *Aleš Sekot*

13:10

Is financial demands still a limiting factor of youth participation in Czech ice hockey?

- *Novotný Jiří*

13:20

Quo vadis, Physical Education?

- *Kamil Kotlík*

13:30

Opinions of teachers on teaching gymnastics in banská bystrica

- *Juraj Kremnický*

13:40

Basic motor competencies and qualifications of children in 1st and 2nd grade elementary school in Slovakia

- *Mačura Peter*

13:50

Development of emotional skills among 15–16-year-old adolescents in physical education classes

- *Arturas Akelaitis*

14:00

The Relative Age Effect in Top 100 ATP tennis players 2016–2018

– *Bozděch M.*

14:10

The relative age effect in top100 female tennis players (2014-2018)

- *Adrián Agricola, Michal Bozděch, Jiří Zháněl*

14:20

Psychological burdens, stress, frustration and their impact on human health

- *Peter Šagát - Adriana Kaplanová*

Analysis of human movement

Room 203

CHAIRS: dr.sc. Mario Kasović, Ph.D

15:00

OPENING LECTURE:

Preliminary results of a study of the impact of school bag weight on the health of primary school children in the Czech Republic: BRNO PROJECT

- *Mario Kasović, Martin Zvonar, Larisa Gomaz, Lovro Štefan and Vincent Anton*

15:20

The differences in unilateral dynamic balance on young boys with different foot morphology

- *Filip Bolčević, Evangelos Chatzilelekas*

15:30

The effect of classical ballet, Slovakian folklore dance and sport dance on static postural control in female and male dancers

- *Marta Gimunová*

15:40

Determination of lower limbs loading during balance beam exercise

- *Petr Hedbávný*

15:50

Lateral differences in maximum grip strength in Czech female tennis players aged 11 – 12 in the context of injury prevention

- *Jiří Zháněl, Roman Kolínský, Antonín Zderčík, Michal Bozděch, Tomáš Vodicka, Adrián Agricola*

16:00

Golf skills and their relationship to the performance level of elite junior golf players

- *Brožka M.*

16:10

Evaluation of Knee Joint Muscular Strength in Persons Indicated for Total Hip Endoprosthesis

- *Vodička Tomáš*

16:20

Kinematic gait comparisons of the tibiofemoral joint between back-carried and non-back-carried setswana-speaking children

- *Czyż S.H., Van Aswegen M., Moss, S.J.*

Poster section

Motion gym

CHAIRS: Ass. Prof. Zdenko Reguli, PhD.

15:00

Is teaching basics of alpine ski technique more efficaceous by using exercises based exclusively on an outer ski?

- *Vjekoslav Cigrovski, Ivan Bon, Mateja Očić, Saša Rodić, Tomislav Rupčić*

15:10

Body Mass Index, Body Image Dissatisfaction and Eating Disordered Symptoms in Female Aquatic Sports: Comparison of Artistic (Synchronized) Swimmers and Female Water-polo Players.

- *Parlov Jasmina*

15:20

Types of motivation and its relations to the development of overtraining syndrome symptoms in adolescent elite swimmers

- *Trčková Eva, Burešová Iva*

15:30

Kinematic analysis of the basketball jump shoot with a backward take-off

- *Hrvoje Pekas, Željko Hraski, Damir Pekas*

15:40

Gender Aspects of Coaching

- *Jakubcová Kateřina*

15:50

On selected problems of low representation of women in coaching

- *Roček Michal (co-author)*

16:00

The role of perfectionism and certain personality characteristics in the context of subjective perception of overtraining in team sports

- *Burešová, Šíp*

16:10

Performance indicators of the winning and defeated male handball teams in the matches of the 2017 on the World Championship in France

- *Vuleta D.*

16:20

The influence of kinesitherapy on the health status of persons with dual diagnosis

- *Ivan Horvat*

16:30

Effects of sportive dance training compared to endurance and strength training on cognitive performance in old age – A longitudinal study on the prevention of memory loss

- *Mandy Knoll*

16:40

Effectivity of selected warm-up protocols on the explosive power of lower extremities

- *Mlýnek R.*

16:50

Success of eccentric exercise treatment in rehabilitation of healing jumper's knee

- *Marko Štrucelj*

17:00

Validation of the physical activity questionnaire for children (paq-c) and adolescents (paq-a)

- *Marcela Janíková, co-author: Králová, Grajciarová*

17:10

Effectiveness of manual yumeiho therapy and exercise on depression and neuropathic pain in patients suffering from chronic nonspecific low back pain

- *Neven Gladović*

17:20

Differences in the level of body equilibrium by sex in early school-age children

- *Sanja Ljubičić, Ljubomir Antekolović, Vedran Dukarić*

17:30

Hierarchical classification of expert models of exercises designed to eliminate specific mistakes occurring in short ski turn

- *Danijela Kuna, Matej Babić, Mateja Očić*

17:40

Specificity of the anthropometric characteristics and fitness abilities of male volleyball players

- *Đurković Tomislav, Marelić Nenad, Zekić, Robert*

17:50

Comparison of FMS tests between female and male volleyball with possible implications on volleyball performance

- *Maja Ban, Tomislav Đurković, Nenad Marelić*

18:00

Comparison of FMS tests between female and male volleyball with possible implications on volleyball performance

- *Maja Ban, Tomislav Đurković, Nenad Marelić*

18:10

The KidMove project - Co-creation of athlete-centered coaching practices for children in sports to prevent drop out and sport-related injuries

- *Heiland Trávníková Dagmar, Komínek Radim, Bachratá Anna, Vänskä Nea*

Saturday, November 9, 2019 (Faculty of Sports Studies)

PhD section

Room 227

CHAIRS: ass. Prof. Emanuel Hurych, Ph.D.

10:00

OPENING LECTURE: Elliott James Price, PhD

Chemical measurements of physiological state

10:20

Effect of resistance training in children who are overweight or obese – pilot study

– Strašilová K

10:30

Research and evaluation of exposition to health-affecting chemicals during indoor fire suppression and usage of extinguishing foams in firefighters – study design

- Aleš Pindur, Zdenko Reguli, Pavel Čupr, Katarína Řiháčková, Nikola Čermáková, Jana Navrátilová

10:50

Effect of a 3-month Exercise Intervention on Physical Performance, Body Composition, Depression and Autonomic Nervous System in Breast Cancer Survivors: a Pilot Study

– Crhová M.

11:00

Trends in BMI among Children with Moderate Intellectual Disability

- Jitka Králíková, Hana Válková

11:10

On selected problems of low representation of women in coaching

- Kateřina Jakubcová, Vladimír Jůva, Michal Roček

11:20

Comparison of primary school teachers' attitude and opinions towards inclusive education in South Moravian region and Split-Dalmatian area

- Nikola Stračárová

11:30

Correlation between race distance and duration and heart rate in skyrunning: a case study

- Vojtěch Grün

11:40

The long-term development of shooting skills in young biathletes

- Michal Žák, Ivan Struhár, Jan Ondráček

11:50

Relationship of the results from fitness test and points for performance in alpine skiing of the Czech national team of U14 and U16 categories in the season 2018/2019.

- Jan Jurečka, Tomáš Horáček

12:00

The application of fuzzy logic in the diagnostics of performance preconditions in tennis (male 15–16 years)

– Zderčík A.

HONORARY PATRONAGE IS HOLD BY

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Mgr. Katarína Šimková

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 15-20 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 motion gym at the Faculty of Sports Studies. 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 is open throughout the conference. Please be so kind and make your registration before starting the programme.

Wednesday 7/11 8:00 – 11:00

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

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

Refreshment

In registration fee is included:

- Coffee breaks on Thursday and Friday

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

Opening Ceremony

Wednesday, November 7, 10:00 – 11:30, Faculty of Sports Studies

All registered participants and visitors are invited to the Opening Ceremony.

Social Evening

Thursday, November 7, 19:30 – 24:00, Faculty of Sports Studies

All registered participants and visitors are invited to the Social Evening in *Faculty of Sports Studies*

Transport Information

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

Faculty of Sports Studies

Masaryk University

Kamenice 5, 625 00 Brno

Tram stop University campus- trolley bus 25

