



## Scientific conference of Montenegrin Sports Academy and Faculty of Kinesiology Split

20<sup>th</sup> Annual Scientific Conference of Montenegrin Sports Academy

### “Sport, Physical Activity and Health: Contemporary perspectives”

20<sup>th</sup> – 23<sup>rd</sup> April 2023, Cavtat, Dubrovnik – Croatia,  
Hotel Croatia, Iznad Tihe 8, 20210 Cavtat

#### CONFERENCE PROGRAMME

20th April 2023 Thursday	
19:30 - 21:00	Registration

  

21 <sup>st</sup> April 2023 Friday	
8:00 - 9:00	Registration
8:30 - 9:00	Poster setting
9:00 - 11:00	Oral Sessions
	<b>Session 1</b>
	<b>A. K. Ivisic:</b> Gender differences in balance performance
	<b>D. Vrdoljak:</b> Do freedivers and spearfisherman differ in local muscle oxygen saturation and anaerobic power?
	<b>T. Pranjin:</b> Association between power capacity and high intensity match activities among Croatian elite soccer players
	<b>K. Drole:</b> Changes in biomarkers and jumping performance following an intense training period in elite handball players – is there a connection?
	<b>M. Rosa:</b> Well-being in disabled children during an interactive rehabilitation circuit – using a case-based approach for testing 3-biometric measures (HR, EEG, Cortisol)
<b>M. Kuko:</b> Anthropometric and motor determinants of rowing performance on 2000m ergometer test	



		<p><b>J. Lulic Drenjak:</b> Cigarette smoking, sport participation and physical activity levels in university students from southeastern Europe; cross-sectional analysis of associations after COVID-19 pandemic</p> <p><b>V. Pavlinovic:</b> Relations of biological age, speed, power and agility in seventh and eighth grade elementary school pupils</p> <p><b>T. Moravec:</b> Inspiratory muscle fatigue at the swimming tumble turns: its occurrence and effects on kinematic parameters of the turns</p> <p><b>M. Geets-Kesic:</b> Analysis of the association between health literacy and scholastic achievement; cross-sectional preliminary study among high-school students from southern Croatia</p> <p><b>J. Skomrlj:</b> Hamstrings Strength-Endurance As An Indicator Of Previous Injuries In Youth Football</p> <p><b>S. Lopes:</b> Basic principles for motor tasks prescription in people with dementia</p>
11:00 - 11:45	Poster Sessions	<b>Session 2</b>
		<b>A. Segedi:</b> Psychological stress before the diagnosis of cutaneous melanoma in patients of the Clinic for Dermatovenerology, Clinical center of Vojvodina
		<b>A. Dimitric:</b> Examination of the correlation of vitamin D and C-reactive protein in patients with newly discovered arterial hypertension
		<b>A. Topolovec:</b> Monitoring the development of coordination on primary school students in physical education: A Scientific paper
		<b>B. Raskovic:</b> Effects of a specific six-week intensive program on biomechanical parameters of futsal players
		<b>D. Sosic:</b> Injuries in sport: causes, prevention and rehabilitation
		<b>K. Djolo:</b> Intra-Positional and Inter-Positional Differences in spike speed among Youth Female Volleyball Players
		<b>K. Plaskan:</b> Effects of exercise and exercise counselling in patients with lumbar spinal stenosis: Study announcement
		<b>L. Pooryamanesh:</b> The relationship between the static alignment of the upper limb and movement performance of athletes with spinal cord injury
		<b>L. Savic:</b> Lipid peroxidation markers in antitumor drugs treated human erythroleukemia cells
		<b>M. Atanaskovic:</b> Influence of Circadian Rhythm and Daily Physical Activity on Short-Term Heart Rate Variability in Young Healthy Adults: A Pilot Study
		<b>M. Maglov:</b> The Relation Between Disruptive Factors and Succes In Sailing
		<b>M. Crnojevic:</b> The impact of biological therapy on disease control and life quality of patients with severe asthma
		<b>M. Knezevic:</b> Consumption Of Non-Steroid Anti-Inflammatory Drugs In Serbia
		<b>M. Vasilic:</b> Intrapleural Fibrinolytic Therapy with Alteplase for the Management of Multiloculated Malignant Pleural Effusion: A Case Series
		<b>N. Adamic:</b> Teaching sports for children with Autism spectrum disorder
		<b>P. Rajkovic Vuletic:</b> Six-Minute Walk Test in Adults with Down Syndrome: Test-retest Reliability
<b>W. Chunthima:</b> Effects of self-management emphasizing diet and exercise program on body weight and CD4 levels in people living with HIV/AIDS.		
<b>T. Khaothin:</b> Short-Term Plyometric Training On Rowing Performance In Para-Rowing		



		<p><b>R. Kornjaca:</b> Analysis Of Alteration Of The Volume Of Brain Structures In Patients With Alzheimer's Disease Using The Method Of Magnetic Resonance Volumetry</p> <p><b>S. Þorgeirsson:</b> Discriminative Variables Between The Top 4 And Lower Ranking Teams In Semi-Professional Handball League Over Three Seasons</p> <p><b>M. Sunda:</b> The association between objectively measured physical activity and motor capacities in adolescents; gender-stratified study</p> <p><b>F. Primorac:</b> Gender-specific analysis of the association between anthropometric indices and objectively measured physical activity in high-school adolescents</p>
12:00 – 13:00	Invited Speeches	<p><b>A. Jurcev-Savicevic:</b> COVID-19 Infection Among Professional Soccer Players During Two Soccer Seasons</p> <p><b>S. Versic:</b> Hamstrings injuries in football – are we making any progress?</p>
13:00 - 13:30	Opening ceremony	
13:30	Break	
15:30 - 16:00	Poster setting	
16:00 - 18:00	Oral Sessions	<b>Session 3</b>
		<b>M. Pikunic:</b> Linking Cardiorespiratory Fitness and Objectively Measured Physical Activity in Adolescents
		<b>J. Plesa:</b> Reactive strength index of volleyball-specific approach jump
		<b>L. Zeleznik Mezan:</b> Effectiveness of Cooperative Learning for Training Young Athletes
		<b>M. Jularic:</b> Physical activity in kindergarten – children's perspective
		<b>M. Crnojevic:</b> The impact of biological therapy on disease control and life quality of patients with severe asthma
		<b>M. Malovic:</b> Ground contact - flight time ratio and running speed
		<b>J. Marasovic:</b> Asymmetry in ball kicking speed between preferred and non-preferred leg in young soccer players
		<b>S. Moskon:</b> Can simple visual reaction time be used as a measure of balance exercise intensity?
		<b>T. Modric:</b> Physical performance in elite soccer: comparison between World cup and UEFA Champions League matches
		<b>M. Barisic:</b> Familiarization; how many trials is enough to access balance on the Biodex Balance System?
		<b>A. Mandic:</b> Positional differences in running performance: Analysis on World Cup 2022
		<b>S. Kuwelker:</b> The Potential for Incorporating Criminal Law Principles and other Best Practices into Sports Arbitration in Disciplinary Disputes: A Study of Evidentiary Issues
<b>D. Radman:</b> Relation between isometric strength and triple hop jump test amongst different age groups of football players		
18:00 - 18:35		<b>Session 4</b>



	<b>Poster Sessions</b>	<b>I. Cerkez Zovko:</b> Body Composition of Bosnia and Herzegovina U-19 National Futsal Team according to Playing Position
		<b>J. Gulin:</b> Analysis of sprinting speed in different directions
		<b>K. Zivcic:</b> Incidence of Injuries in Professional Dancers
		<b>L. Markovic:</b> Socio-demographic and physical activity characteristics as correlates of nutritional status of adults in Vojvodina
		<b>L. Vasileva:</b> Advantages of X-ray examination for the diagnosis of fractures in young athletes
		<b>L. Milcic:</b> Run-up velocity in artistic gymnastics floor exercises
		<b>M. Moznik:</b> Gender differences of Croatian artistic gymnastics coaches
		<b>M. Babic:</b> The success of Croatian Kickboxing National Team- Analysis by Region
		<b>M. Jankovic:</b> Effects of A Six-Week Programmed Exercise on Students' Body Composition
		<b>M. Hraste:</b> Notation analysis of the Men's Olympic Water Polo Tournament held in Tokyo in 2021
		<b>O. Radjenovic:</b> Retrospective Analysis of Gender Differences in Successive Motor Performance Using Two Motor Coordination Tests
		<b>P. Forte:</b> Physical education such as "liquid Knowledge" to encourage learning transversal knowledge, skills and competences
		<b>P. Mavrudiev:</b> Impact of Physical Education and Sports on The Physical Ability of Girls
		<b>E. Pugliese:</b> New perspectives in teaching and learning fundamental movement skills in childhood
<b>P. Zaletel:</b> Energy Intake and Nutrition Balance in Acrobatic Rock'n'Roll Dance		
<b>18:35 - 19:35</b>	<b>Invited Speeches</b>	<b>R.C. Schneider:</b> Importance of Experience when Applying Mill's Utilitarianism to Sport Scandals
		<b>I. Jukic:</b> Periodization in team sports: evidence vs./for real life (brief report)



22 <sup>nd</sup> April 2023, Saturday		
8:00-9:00	Registration	
8:30-9:00	Poster setting	
9:00-11:00	Oral Sessions	<b>Session 5</b>
		<b>Z. L. Potocnik:</b> My SLOfit: interactive educational tool for physical education
		<b>N. Kovacevic:</b> Cognitive functions of youth water polo players
		<b>K. Skugor:</b> What Determines the Competitive Success of Young Croatian Wrestlers: Anthropometric Indices, Generic or Specific Fitness Performance?
		<b>M. Soric:</b> Social inequalities in health-related fitness among Croatian adolescents: the CRO-PALS study
		<b>M. Lozovina:</b> Analysis of differences in students' attitudes towards Physical Education in relation to gender
		<b>V. Sember</b> Secular trends in skill-related physical fitness among Slovenian children and adolescents from 1983 to 2014
		<b>R. Janicic:</b> Development of Montenegro Tourism Based on Sports, Rehabilitation's and Relaxation's Activities for all Generation's Segments
		<b>R. Clijsen:</b> Physiological and perceptual effects of cooling trousers: A crossover pilot study
		<b>S. Rogan:</b> Impact of Physical Activity on Pain in Primary Dysmenorrhea- an Umbrella Review
		<b>S. Pocek:</b> Techniques used and serve efficacy of elite female volleyball players
		<b>P. Matijasevic:</b> Experiences and attitudes of parents about children's leisure time at children's sports playgrounds
		<b>P. Kornfeind:</b> Interindividual comparison of isokinetic muscle performance in youth rowing athletes - a pilot study
<b>A. Büyükaslan:</b> Cervicocephalic Kinaesthesia in Scoliosis		
11:00-12:00	Invited Speeches	<b>I. Einarsson:</b> Physical activity and sport among children with disability
		<b>G. Jurak:</b> Physical Fitness Surveillance: The Power of Feedback
12:00-12:45	Poster Sessions	<b>Session 6</b>
		<b>S. Maricic</b> Post-Activation Potentiation Based On Squat Improves The Vertical Jump Height Of Football Players Under 18
		<b>T. Radisa</b> Reliability of Anteroposterior Diameter of Liver in Detecting Hepatomegaly
		<b>T. Tovilovic</b> The impact of dance as a form of physical activity on cognitive reserve and sleep quality
		<b>Y. Hattori:</b> The inside temperature of red and white cap of elementary children during exercise.
		<b>Z. Bilic:</b> Age and gender differences in motivation for playing recreational tennis
<b>A. Ljubojevic:</b> Gender (in)equality in decision-making roles in sport : a case study in Bosnia and Herzegovina		



		<p><b>A. Miletic:</b> The effects of student-centered learning methods and motivational climate on dance learning</p> <p><b>B. Katanic:</b> Differences in Body Composition between Elite Female Futsal Players, Members of the Best Futsal Clubs in Montenegro, North Macedonia, and Croatia</p> <p><b>D. Javorac:</b> Differences In The Motor Skills Of Soccer Players Urban And Rural Environments</p> <p><b>D. Bjelica:</b> Motivation in Sports Practice during COVID-19 Pandemic: Differences between Senior and Junior Professional Football Players in Bosnia and Herzegovina</p> <p><b>D. Stupar:</b> Adaptation of Factors Important for Marathon Running</p> <p><b>L. Pooryamanesh:</b> The relationship between the static alignment of the upper limb and movement performance of athletes with spinal cord injury</p> <p><b>F. Argentino:</b> Relationship between Very Low-Calorie Ketogenic Diet and Handgrip Strength in Women with Obesity</p> <p><b>G. Bobic:</b> Differences in some indicators of situational efficiency between Croatian men's handball team and medalists at major competitions from 2017 to 2023</p> <p><b>I. Beretic:</b> Ventilatory thresholds determination by using near-infrared spectroscopy</p>
12:45-15:30	Break	
15:30-16:00	Poster setting	
16:00-18:00	<p><b>Oral Sessions</b></p>	<p><b>Session 7</b></p> <p><b>A. Leila:</b> Bridging the gap between the body and the machine: Embodied learning with interventional brain computer interfaces?</p> <p><b>A. Paravlic:</b> Increasing Lean Mass and Maximal Strength in Elite Canoe Athletes: An example of a Single Mesocycle During The Preparatory Training Phase</p> <p><b>A. Baca:</b> Technology assisted orienteering to improve orientation ability and knowledge acquisition of upper secondary school pupils</p> <p><b>D. Prus:</b> What influences the increased exposure to RED-S syndrome in female ballet dancers?</p> <p><b>M. Borukova:</b> Effect Of Mini Basketball On Physical Development And Motor Skills Of 8- 9 Year Old Children</p> <p><b>E. Hohenauer:</b> High intensity exercise under hypoxia and normoxia in females: a randomized controlled trial</p> <p><b>I. Luznik:</b> Is sensorimotor training effective for the management of chronic neck pain disorders? A Systematic Review</p> <p><b>J. Vodigar:</b> Differences in phasic pupillometric responses but not oculomotor control are observed between sports racing drivers and non-sporting population</p> <p><b>Z. Majcen Rosker:</b> Does neck kinesthesia correlate to quiet eye characteristics during basketball jump shots and free throws – a pilot study</p> <p><b>K. Sibanc:</b> Static And Dynamic Load Effects On The Palm Temperature On High Bar</p> <p><b>J. Premelc:</b> The SLOfit physical fitness monitoring in adults</p> <p><b>G. M. El Amine</b> Evaluating the Impact of a Novel Rapid Weight Loss Strategy on the Performance of Judo Athletes</p>



18:00-18:35	Poster Sessions	<b>Session 8</b>	
		<b>S. Sermaxhaj:</b> The impact of the soccer training season on the body composition and physical performances of young soccer players	
		<b>S. Vujkov:</b> The Effects Of A Six-Week Programmed Exercise On The Fitness Form Of Female Students	
		<b>S. Sumonja:</b> Physical activity and food intake in a sample of college students from Subotica, Northern Serbia	
		<b>S. Delas Kalinski:</b> Psychometric properties and gender-related differences in the Hula-Hoop test for children	
		<b>T. Kita:</b> Seven Proposals for the Revitalization of Japan's Golf Courses: The Views of Golf Course Managers in Japan, the U.S., and the U.K.	
		<b>T. Djurkovic:</b> Somatotypes of Top Croatian Male Volleyball Players	
		<b>V. Sember:</b> Slovenia in Social Transition: The 2021 Republic of Slovenia Report Card on Physical Activity of Children and Adolescents	
		<b>V. Vucetic:</b> Differences in heart rate during running in different modalities	
		<b>Z. Milic:</b> Correlation between the lumbar syndrome and quality of life elements of the adult population: A Systematic Review	
		<b>I.-V. Malla Houech:</b> Sport related injury of the distal biceps tendon in a fitness club exerciser recognized on magnetic resonance (MR) imaging	
		<b>I. Peltekova:</b> Elbow joint dislocation in handball players – diagnosis and conservative treatment	
		<b>I. Sklempe Kokic:</b> Immediate and Short-Term Effects of Kinesiotaping on Handgrip Strength	
		<b>I. Jurak:</b> Attitudes of Professional and Semi-professional Croatia MMA Fighters Towards Injury Management	
<b>P. Bozic:</b> Association Of Yo-Yo Intermittent Test With High Metabolic Load Distance In Standard Training Games: Do We Need To Test Our Players?			
<b>R. Romanov:</b> Strategies in Classification in Paralympic Sports			
18:35-19:35	Invited Speeches	<b>J. Carl:</b> Physical Literacy as a holistic concept for physical activity: from the situation in Europe to its use within interventions <b>N. Maras:</b> Professional athletes in transition after a professional career	
19:40 - 20:00	Closing ceremony		





## Partners:



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