

Abstrakty příspěvků prezentovaných na konferenci Hry 2021 a publikovaných v jiných recenzovaných časopisech

Analýza zatížení rozhodčího futsalu

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Abstrakt

Práce se zabývá analýzou výkonu rozhodčího futsalu, z hlediska pohybové aktivity, kdy hlavním cílem bylo analyzovat zatížení v utkání. Zatížení bylo vyjádřeno překonanou vzdáleností lokomoceí v jednotlivých úrovních rychlosti. Výzkumným souborem bylo 30 rozhodčích regionální úrovně. Potřebná data pro naši studii jsme získali pomocí nezúčastněného pozorování z videozáznamů jednotlivých utkání. Videozáznamy jsme analyzovali v počítačovém programu Dartfish 7. Průměrná překonaná vzdálenost byla $2\,597,4 \pm 366,9$ m a průměrná rychlost rozhodčích okresního přeboru byla $3,5 \pm 0,5$ km/h. Z hlediska vzdálenostních a rychlostních charakteristik se rozhodčí pohyboval nejvíce chůzí (68,3% z celkové pohybové aktivity).

Klíčová slova: pohybová aktivita, futsal FIFA, rozhodčí, výkon rozhodčího

Abstract

Research deals about analysis of performance of futsal referee, the main objective is to analyze the load, respective distance covered in each speed level. The research sample consisted of 30 referees of the district championship. The necessary data for our study, we took from observation of video recordings. Videos recordings was analyzed in a computer program Dartfish 7. The average running distance was $2\,597.4 \pm 366.9$ m and average speed of the referees of the district championship was 3.5 ± 0.5 km/h. In terms of distance and speed characteristics, the referee reach the longest distance by walking (68.3% of total physical activity).

Key words: physical activity, futsal FIFA, referee, performance of the referee

International comparison of motor abilities and floorball skills in U-11 to U-14 teams from the Czech Republic and Australia

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Abstract

Objective: Floorball is a young and rapidly developing team game. At the world floorball championships, the considerable disparity in performance can be seen between the individual coun-

tries. The aim of this study was to compare the level of floorball skills and motor abilities of children in the U-11 - U-14 age category at floorball clubs in the Czech Republic and Australia.

Methods: The players from FBŠ Slavia Pilsen clubs (Czech Republic) (n=18; 12.1y±1.0; 155.4cm±10.6; 44.7kg±12.1) and Peninsula Floorball club (Australia) (n=18; 12.7y±1.0; 160.7cm±12.0; 53.2kg±11.6) participated in this study. To compare the tested groups, 6 items (3 motor abilities, 3 floorball skills) were used from the test battery prepared by the Czech Floorball Association for the given age category.

Results: In motor abilities, a statistically and substantially significant difference was found only for one item (Illinois agility test without stick). In floorball skills, a statistically and substantially significant difference was found for all of the tested items. Only for one criterion of the Shooting test, namely the time required for performing the task, the difference was not statistically significant, and substantial significance reached only a medium effect.

Conclusion: The presented results clearly indicate the different level of floorball skills between the Czech and Australian floorball players in the age category tested by us.

Key words: Floorball skills, motor abilities, international comparison, Czech Republic, Australia

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Evaluation of the “Historical Healthy Routes” project from the city of Toledo (Spain)

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Abstract

Introduction: Sedentary behaviour is one of the main factors for health, while active transport has been revealed as one of the best options to increase physical activity levels. Due to the need of promoting active commuting in urban settings, initiatives are necessary to promote active