

Abstract

Title: Analysis of distance and speed characteristics of performance of floorball players during competition and comparison of performance with other team sport players

Objectives: The aim of this thesis is to measure the distance and speed characteristics during the performance of floorball players playing a competitive match. The obtained data are compared with the results of studies measuring the same parameters in futsal and handball matches.

Methods: GPS technology, Apex 10 Hz chips together with StatSport software for evaluation of measured data were used to obtain the necessary data.

Results: The average distance covered by a floorball player during a match was 4745.40 m. The longest distance was covered by the middle strikers, while the shortest distance was covered by the wing strikers. The most represented running intensity was slow running (1-3 m/s) and the least represented was maximum intensity running (>7 m/s). On average, a player performed 13 sprints during a match, with sprint lengths ranging from 10.21 - 11.68 m and durations of said sprints ranging from 1.91 - 2.14 s. It was decided that futsal players achieve to run the longest distance, the second longest distance was managed by floorball players and the shortest distance was accomplished by handball players.

Keywords: Floorball, match, GPS, speed parameters, distance parameters