

Abstract

Title: Retrospective evaluation of results Wingate test in their junior national U18

Objectives: The aim of this thesis is to compare condition levels according to the Wingate test and game results achieved in individual MSJ U18 and determine the degree of functional dependence Wingate anaerobic test parameters according to the U18 category, with a later application of the elite players in the world competitions.

Methods: In this thesis has been used retrospective collection of quantitative data from sources ČSLH. Evaluation data were gathered using a correlation relationships of speed and power variables and placement classes at MSJ, respectively. achieved level of competition. The comparison of speed and power variables between years was used analysis of variance with repeated measurements.

Results: It was found that the velocity-force characteristics ice hockey player found Wingate test does not have a statistically significant effect on the location of MSJ year and only low statistical significance was found between the variable ANC/kg and the level of competition achieved by the player. The difference between years in speed and power characteristics were not reported.

Keywords: ice hockey, condition, player, forward, defender, Wingate test.