

ABSTRACT

Title

Comparison of selected parameters of function and shape of the foot in volleyball and beach volleyball women players

Objectives

The goal of this thesis is to find out if there are differences in chosen parameters for competitively playing volleyball and beach volleyball women players. Compare the influence of the sports footwear and hard surface court on the shape and function of the foot with the bare foot on the sand in technically similar sports.

Methods

The research involved 10 women playing volleyball and 10 women playing beach volleyball. All the players were 19 – 34 years old and all were regularly playing at competitive level. Selected monitored parameters were the quality of perception of sensation in the foot, foot arch shape evaluated by using plantogram and examination postural stability by using the Vèle test. The test results were evaluated in both sports separately and then compared with each other.

Results

The results of this thesis show better readings in all investigated tests in both lower limbs at beach volleyball women players. Only in the case of the shape of the foot arch test on the left foot was the result statistically significant. Other selected parameters in shape and function of beach volleyball women players feet did not show plausible statistical difference.

Keywords

Volleyball, Beach volleyball, arch of the foot, postural stability, perception.