

## **Abstract**

**Title:** Monitoring of jumping performance among beach volleyball players

**Objectives:** The aims were to analyze in-game jumping performance in young beach volleyball players and to compare the frequency of jumps between attackers and blockers as well as the difference of the jumping performance between boys and girls and between teams playing against each other.

**Methods:** The method of observation and frequency counting were used in this work. For this purpose, videos from the World and European Junior Championships were used. The frequency method was used to determine the frequency of jumps in serving, smashing, and blocking. The jumping performances in teams playing against each other as well as gender differences were observed. The results were recorded in graphs and tables.

**Results:** 16 teams were analyzed, 2 of which were from the Czech Republic. In terms of quality and frequency of jumps, a significant difference between girls and boys was observed. Girls were more likely backed down in spite of opponents' good recording to smash probably because they missed getting to the net after servicing. Boys rarely used the jump float serve technique. The individual pairs were roundly misaligned.

**Keywords:** blocker, fielder player, comparison, specialization, team, video, jump, load