

Changing some kinematics properties of volleyball back row spike as a result of repeated performance

This study aims at recognizing the extent of changing occurring for some kinematics properties of volleyball back row spike as a result of fatigue through repeated performance where matches results depend up on row spike. The current study used descriptive method (survey method) and motor analysis. The study was applied on a purposive sample of (3) Strikers in first class teams at north upper Egypt. Every Striker performed (40) trials. The first, the twentieth and the last trial were selected for each athletes. The main search results to identify the changes which have occurred to some kinematics characteristics of row spike skill at volleyball. the current study concluded the effect of fatigue on the previous variants and the ability of player to compensate for the change in this variants through reduction of the movement or move parts of his body with a wider range, this comes at the expense of speed performance affected significantly. We therefore recommend the need for training the back row spike under graded difficult conditions.