

PECULIARITIES OF HEIGHT, AGE, COMPETITIVE EXPERIENCE OF PLAYERS IN MODERN MEN'S HANDBALL

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Indices of competition model of the elite athletes' in the highest rank are the most precise criteria determining tendencies of sport performance (Franks & McGarry, 1996). Peculiarities of interaction between indices of handball players age, competitive experience, height and sports results in the European championships'2004&2006 (EC), Olympic Games'2004 (OG), World championship'2005 (WC) were carried out. Indices of 1064 subjects and 225 matches were analysed using mathematical statistics methods. The highest players were participants in EC'2006 (191.5 ± 6.7), lowermost in WC'2005 (189.2 ± 3.6). The indices of height had the greatest influence to win in WC'2005 ($r^2=0.4156$) but not in EC'2006 ($r^2=0.0021$). The oldest participants took part in OG'2004 (28.5 ± 4.6) and EC'2004 (28.3 ± 3.9), the youngest in WC'2005 (26.3 ± 3.9). The greatest influence of age was found in OG'2004 ($r^2=0.563$) but not in EC'2006 ($r^2=0.0873$). Participants of OG'2004 (93 ± 9) had the greatest experience, the least experience had participants of WC'2005 (69 ± 62). The greatest influence of experience was found in OG'2004 ($r^2=0.3032$), the lowest in EC'2006 ($r^2=0.0869$). Research findings allow to assert that the possibilities of winning the match are not determined by separate indices but rather by the whole complex of indices characteristic of the team's performance in general and individual fitness of players (Skarbalius, 2002, 2006).

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2. Skarbalius, A. (2002). *Olympic Men's Handball: Peculiarities and Tendencies*. Kaunas: LAPE.
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