

An analysis of the performantial defense behavior of the top three male handball teams in comparison to the Romanian team in the World Championships, Sweden, 2011

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Abstract

Background. We started from the idea of the role that anticipation and decision making have in accomplishing motor actions in the defense of a handball game, identifying the effects of these mental processes and what determines their success or failure in a competitive game at a high scale confrontation (Olympic Games, World Championships etc.).

Aims. The analysis of the compartment's profile of defense and of some parameters recorded at the level of the first three teams from the general classification of men's handball World Championships Sweden 2011, to which the performance of the male national team of Romania is compared.

Methods. The comparative study was conducted on players components of the teams ranked in the first three places at the men's handball World Championships in Sweden 2011 and the Romanian team that occupied the 19th place in the competition. The results were statistically analyzed based on the outcomes obtained from the record sheets. Another method was synthesizing information resulting from the video recordings and viewed games sustained by the official teams of France, Spain, Denmark and Romania.

Results. The four parameters of defense were applied in 215 situations out of 838. The number of individual actions of defense was 177 and of collective actions 38. The experimental group recorded 71 individual actions and 14 collective actions while the control group cumulated 106.3 individual actions and 24.6 collective actions. 97.3 penalties were received by the two experimental groups with regard to the breaking of regulation.

Conclusions. The parameters of defense had a share of 26.3% out of 494.3 defensive within the control group and 24.7% defensive situations for the experimental group from a total of 344 such situations. Regarding individual tactics, the groups demonstrated close percentages - 21.5% the control group and 20.6% the experimental group; for applied collective tactic performances, the percentages were 4.9% for the control group and 4% for the experimental group. The cumulative sanctions for the two groups were 54.3 for the control group with an average of 5.43/game and 43 for the experimental group with an average of 6.14/game.

Keywords: high performance handball, defense, anticipation, efficiency, fair play.