

Morphological parameters of athletes in Sumy region

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Mainly sports result depends on morphological features of athlete that as one of selective factors determine success of sportsman. (Shaldin V.V. 2010)

Purpose of research is to explore features of somatometric indexes of athletes. Objects of research were 39 students (18-21 years-old) of Sumy State University, the sportsmen who took part in the Championship of Ukraine. The first and the second group consisted of Masters of Sport of Volleyball (13) and Archery(10). The third group consisted of 16 students of basic group physical culture from Sumy State University. Anthropometric study was made according to V.V.Bunak schemes (1941).

Results of research and their discussion As it follows from the results of research the sportsmen's weight in the first group is larger in comparison with the second group at 4,71% ($p>0,05$), in comparison with the third group at 7,38% ($p>0,05$), and the results of the third group in comparison with the second one show the difference at 0,12% ($p<0,05$).

As it follows from the results of research the sportsmen's body length in the first group is larger in comparison with the second group at 5,66% ($p>0,05$), in comparison with the third group at 7,19% ($p>0,05$), and the results of the third group in comparison with the second one show the difference at 0,37% ($p<0,05$). On the average face width, head height, physiological face, chest length, brush length, brush width, pelvis width, shoulder girth in a stressed state, shin girth, shoulder width in the first group in comparison with the second group is larger at 1,99 ($p<0,05$), in comparison with the third group at 0,02 ($p<0,05$), and the results of the third group in comparison with the second one show the difference at 1,52 ($p<0,05$).

Conclusions Many years of trainings and sport specialization as well as sports selection specify certain requirements for a sportsmen body build. Therefore anthropometric indexes in the first group are much larger than in the second and third group.

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