

## **SOMATIC FIGURE OF CHILDREN AGED 8-18 YEARS COVERED SPORTS TRAINING PERSONNEL WITHIN THE PODKARPACKIE PROVINCE**

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### **Key words:**

- somatic figure,
- Podkarpackie province,
- sport.

### **Abstract:**

The aim of this study was to assess the somatic figure of talented young people in sport. Region. The material for this work is a survey conducted among the sport team of senior and junior youth in Podkarpackie Province. The study involved 417 people aged 8-18 years, including 244 boys and 173 girls. . The study included an assessment of a body composition, ie. measurement of height and weight (calculated on the basis of their BMI), height of the seat, length of the lower limbs and the girth measurement: waist, hips and thighs. The analysis confirms that covered sports training a group of children and adolescents was selected appropriately for training and shows above-average level of individual somatic.

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## **INTRODUCTION**

Modern sport puts very high demands on the candidates for the masters who receive results in training which place them among the best [1,8]. Therefore, one of the basic stages of sports training is properly conducted and fairly recruitment and pre-selection of candidates [1, 3, 8]. It should include not only the assessment of physical fitness and motor abilities but also an assessment of body composition including primarily features genetically determined, because on their basis can determine the final body size of a future champion. Milicerowa identified four somatic features, which are characterized by the relative stability of development while adequately define the figure of the body for the purpose of forecasting. These include height and weight, chest girth and calf girth [3]

Professional sport is characterized by a continuous increase in the level of performance and the efficiency of competition [4, 6] Therefore, a very important link in the process of training in the period of a child or youthful. For this purpose, a theoretical "master models" which are helpful in recruiting and directions of development of relevant features, characteristic for the specialization of sports. In these models, somatic structure is one of the most important criteria to have a decisive influence on the player achieving the highest level of sport. Studies show a significant relationship with the level of body building and sports results [5,7].

The aim of this study was to assess the somatic figure of talented young people in sport and training covered within the staff of Podkarpackie Region

## **MATERIAL AND METHODS**

The material for this work is a survey conducted among the sport team of senior and junior youth in Podkarpackie Province. The study involved 417 people aged 8-18 years, including 244 boys and 173 girls. The study was conducted in May 2013 with significant help students-members of the Student Research Anthropomotorics WWF UR. The study included









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