

Morphometric Indicators of Head Parameters in Girls with Hearing Loss

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Abstract: The aim of this study was to measure, analyze and compare head morphometric parameters in girls with hearing loss from birth to 12 years of age.

Key words: Morphometric, physical development, craniofacial complex

Research methods. The study was conducted in 50 children from birth to 12 years old with hearing loss, students of the boarding school No. 123 of the Bukhara region, the indicators of the physical development of the craniofacial complex were measured - the shape of the skull was determined: longitudinal diameter, transverse size, head girth, transverse forehead size, height or vertical diameter, determined by the size of the base of the skull, length of the base of the skull, width of the base of the skull.

Research results. It can be seen that with the growing age of the child, some morphometric indicators of the head grow at the same rate in different age periods of childhood, but the intensity of the growth rate of some indicators is not the same in the age periods of childhood. Thus, in deaf and hard-of-hearing girls from newborn to 12 years of age, the morphometric indicators of the head increased in the second period of childhood compared to infancy: the head circumference and the longitudinal size of the head increased 1.5 times (32.4% - 11.5%), the transverse size of the head 1.6 times (22.2%), the transverse size of the forehead 1.8 times (25.3%), the vertical diameter of the head and the longitudinal size of the skull base 1.7 times (15.7%- 20.2 %) and the cross-sectional size of the head increased by 1.4 times (14.4%).

References:

1. Vershubskaya G. G., Kozlov A. I. Physical development of preschool children of the Khanty-Mansi Autonomous Okrug according to anthropometric indicators // New research. 2019. No. 2 (58). pp. 37–45.

2. Gavryushin M. Yu., Berezin I. I., Sazonova O. V. Anthropometric features of the physical development of schoolchildren in a modern metropolis // *Kazan Medical Journal*. 2016. No. 4. S. 629–633.
3. Godina E. Z., Khomyakova I. A., Zadorozhnaya L. V. Features of growth processes in the urban and rural population of the north of the European part of Russia // *Archeology, Ethnography and Anthropology of Eurasia*. 2017. V. 45, No. 1. S. 146–156.
4. Khaitova D. Sh. ,Comparative Characteristics and Prevention of Diabetes Mellitus//*CENTRAL ASIAN JOURNAL OF MEDICAL AND NATURAL SCIENCES*//Volume: 03 Issue: 02 | Mar-Apr 2022 ISSN: 2660-4159 P 448-451
5. Khasanova Dilnoza Akhrorovna, Khaitova Dildora Sharipboevna THE IMPACT OF VARIOUS FACTORS ON THE FORMATION AND DEVELOPMENT OF THE CRANIOFACIAL AREA IN CHILDREN WITH HEARING LOSS (LITERATURE REVIEW) // *Web of Scientist: International Scientific Research* 3 (6), 2022, 957-961
6. Khaitova Dildora Sharipboevna. The impact of various factors on the formation and development of the craniofacial area in children with hearing loss (literature review) // *Indonesian Journal of Public Policy Review* Vol 18 (2022): April. P.1/4-4/4.