

Growth of the matter as one of genetic determinants, determining the anthropometric indexes of the new-born child

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Somatometric indexes are investigated 2667 newborn children. A research aim was determination of dependence of some anthropometric indexes of newborn children from the height of mother.

The object of inspection was the newborn children born for the inhabitants of Kabardino-Balkaria in the Republican perinatal center. At all new-born in the first day anthropometric indexes were determined: body weight, linear sizes (length of body, trunk, arms, overhead and lower extremities, shoulder, forearm, hand, thigh, shin, foot, height of head and neck). Anthropometric researches were conducted on compatible methodology, offer W.W. Bunak, by means of standard tool. The obtained data were exposed to mathematical treatment the method of variation statistics. Authenticity of distinction between the averages of one or another sign at new-born different groups came to light on the criterion of Student.

All observed is divided into 4 groups depending on length of mother: a to 150 cm – 34 women (1,3%), 151-160 cm are 883 women (33,1%), 161- 170 cm are 1466 women (55,0%), higher a 170 cm - 284 women (10,6%).

The features of physical development are educed newborn depending on the height of mother.

The height of mother influences on the anthropometric indexes of physical development of newborn child. The largest children gave birth for women the height of that more than 170 cm.

These children excelled other newborn on mass and length of body, length of overhead extremity, shoulder, forearm, lower limb, thigh, height of head and neck. Women with a subzero height (below a 150 cm) born small on the physical parameters of newborn. Such children were the littlest on mass and length of body, most linear sizes. For the children born by women with a height a 151-160 cm, the small was marked length of body and trunk.

The presented data can be basis for prognostication of mass and length of body of healthy newborn child.

Somatometry, new-born, anthropometric indexes, description, physical development, mother, length of body.