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| 번호: OP-O-003 | | | | | |
| 제 목 | 2005년 한국 소아 및 청소년 신체 발육 표준치 The Reference Standard of Growth of Korean Children and Adolescents in 2005 | | | | |
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| <p>Objective : The purpose is to report the interim findings of 2005 Korean National Survey of Children and Adolescents to establish the reference standard of growth and developmental status. The new reference standard is necessary since the growth and developmental status of children has improved due to the significant development of public health which has been caused by socioeconomic growth, environmental amelioration and nutritional improvement.</p> <p>Method : The stratified random sample was selected by the classification of 16 provincial areas according to the 40 codes which were sorted by age. The total approximation of the nationwide sample size was from 150,000 to 170,000. The study included the subjects with the 40 codes classified by the age range of 0 to 20, who were recruited from the whole nation which divided into 16 provincial areas. All measuring instruments were prescribed. The height of the subjects was measured in the Frankfurt plane. The circumferences of head, chest, waist and upper arm were taken with tape measures. The skin-fold thickness was measured in the middle of right upper arm by means of Harpenden calipers.</p> <p>Result: - Height: The girls surpass the boys in height at the age of 10 years old (the mean value of height: 141.23cm for boys, 142.48cm for girls). The mean value of the boys'height exceeds the girls' one again as it has done for the period before the children reach the age of 10 years old when they are 12 years old (the mean value of height: 154.45cm for boys, 154.19cm for girls). - Weight: The mean value of weight at the age of 3 years old is 15.11kg for boys and 14.66kg for girls. This mean value represents 26.69kg for boys and 25.30kg for girls when the subjects are 7 years old. The mean value of the weight of boys who are 17 years old is 68.21kg and the girls' one with same age is 55.90kg.</p> <p>Conclusion : The interim results of this survey indicate that the growth and developmental status of Korean children and adolescents has changed substantially compared with the year of 1998. This finding is relatively different from the trend of the childhood growth in western countries which tends to, stay stable. In conclusion, it is recommended that the nationwide survey to establish the reference standard of the growth of children and adolescents should be conducted every 5 years with a regular interval so that the clinical guideline for children can be set up reasonably.</p> | | | | | |