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제 목	2005년 한국 소아 및 청소년 혈압 표준치 The Reference Standard of Blood Pressure of Korean Children and Adolescents in 2005				
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<p><b>Objective :</b> The reference standard of the blood pressure of children and adolescents has not been established by the national survey in Korea even though the normal value of the blood pressure of children depicts different ranges according to race, age, gender and height percentile. The purpose is to report the interim findings of 2005 Korean National Survey of Children and Adolescents to establish the reference standard of blood pressure.</p> <p><b>Method :</b> The stratified random sample was selected by the classification of 16 provincial areas according to the 13 codes which were sorted by age. The total approximation of the nationwide sample size was from 55,000 to 65,000. The study included the subjects with the 13 codes classified by the age range of 7 to 20. The blood pressure and pulse rate were measured repeatedly at the right arm with a cuff that is appropriate to the size of the child's upper arm in a sitting position by means of Dinamab Procare 100 which was an oscillometric device.</p> <p><b>Result :</b> The mean value of systolic blood pressure of boys who are seven years old is 105.26 mm Hg and 102.35 mmHg for girls with same age. There are not significant differences between boys and girls at the age of seven years old in terms of diastolic blood pressure and pulse rate (diastolic blood pressure; 59.99 mmHg for boys, 59.45 mmHg for girls. Pulse rate; 89.94for boys, 89.27 for girls). The mean value of systolic blood pressure of thirteen-year-old children is 116.57 mmHg for boys and 110.13 mmHg for girls (diastolic blood pressure in this age group; 63.32 mmHg for boys, 62.62 mm Hg for girls. Pulse rate; 78.30 for boys, 81.94 for girls).</p> <p><b>Conclusion :</b> The children more than 3 years old who are seen in medical settings should have their blood pressure measured at least once during every health care episode according to the recommendation of American Academic of Pediatrics. Nevertheless, in Korea, there is not any trustful reference standard of blood pressure of children based on reasonable nationwide survey. Therefore, it is essential to establish the definition of standard blood pressure in children and adolescents and update clinicians on the latest scientific evidence regarding blood pressure in children.</p>					