

Growth charts, body size, especially length and weight are important tool in evaluation of the proper growth and development of children in pediatrics. Interpretation of the growth curves of breastfed children, and the assessment of adequate nutrition and

the possible introduction of milk formula or complementary food is highly dependent on adequacy of reference data.

Based on preliminary studies, the National Health Institute (11) was expressed hypothesis about differences in standards-date growth of the World Health Organization (WHO) published in 2006 (19) and is currently of the reference charts for Czech children, based on 5 and 6national anthropological research (6,16). Automatic acceptance of these new reference WHO data and assessing the growth of breastfed children due to the following reference data would lead to incorrect assessment of growth of breastfed infants, and thus unjustified and premature introduction of milk formula or complementary food. Expected slower growth of healthy breast-fed Czech children, and smaller weight gain especially in the sixth month of life compared to the results WHO study, would lead to the unnecessary introduction of milk formula, or complementary food, and so would be inconsistent with full benefits and long-term breastfeeding, and

thus in contrast with the international recommendations of WHO.(20)

The aim of my thesis should be a summary of current information and knowledge growth assessment nursing infants, compared to WHO reference data and reference Data based on 5 and 6 nationwide anthropological research of children and Youth Republic of 1991 and 2001 and consider their use in pediatric practice for proper evaluation of the growth of breast-fed infants from 0 to 2 years.

In the second part would focus on the measurement of physical characteristics and collection data from medical records and health certificates and vaccination of children from 0 to 2 years and assess the data from both WHO reference data and reference data not yet in force in the country.