

Abstract:

Growth is sensible detector of long-term health condition of children. Observation of growth by means of growth charts are an important aid for practise of paediatricians. This work assesses an influence of long-term breastfeeding on growth of children from birth to 2 years of age and compares the growth of these children with the world study (MGRS) and Czech study (5./6. CAV). The basis for my study was formed from the set of children measured in Dr. Mottlova's office. It was detected, that long-term breastfeeding significantly influences the length and weight of children, when it interacts with age of children. Breast-fed children were smaller (0,6 cm, 1,1 cm, 0,9 cm) and lighter (250 g, 400 g, 210 g) then formula-fed children in 6th, 12th and 18th month of age. The comparison between our study, MGRS and 5./6. CAV proved, that the growth of children in our study is more similar to 5./6.CAV.

Key words: growth, human milk, breastfeeding, growth standards, percentile charts.