

CHARLES UNIVERSITY IN PRAGUE  
FACULTY OF PHYSICAL EDUCATION AND SPORT

**ADIPOSE TISSUE DISTRIBUTION BY PRESCHOOL  
CHILDREN- COMPARATIVE STUDY**

ABSTRACT

Head of the dissertation:

Prof. MUDr. Ivan Dylevský, DrSc.

Author:

Mgr. Dominika Petřů

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## **Abstract**

The dissertation provides information about the distribution of subcutaneous adipose tissue in preschool-aged /5-6 years, n=141/ and younger school-aged children /8-9 years, n=137/ in the Ústí region. In this review, we describe and evaluate the child's body with anthropometric parameters, skinfold, bioelectrical impedance analysis and selected sample /n=31/ with ultrasonography. We found an increased distribution of adipose tissue in older file with a concentration in the abdominal area and a higher reliability of skinfold than the BIA, considering the ultrasound examination.

**Key words:** subcutaneous fat, skinfold, bioelectrical impedance analysis, ultrasonography