



**Fund “Nauka” Project № 11003 Resume – Competition-Based Session 2011:**

“Adiponectin and certain other metabolic risk markers and their relation to abdominal obesity among pre-school children”

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Abdominal obesity among Bulgarian pre-pubertal children is comparable to that among children from some of the most obese nations, and it is known for a high-risk factor for cardio-metabolic diseases.

The aim of this study is to find a connection between the levels of increased metabolic risk markers and the degree of abdominal obesity in early childhood. Healthy 4-6 year olds will be held auxological, laboratory and imaging studies, and their parents will complete a survey.

Expected contribution is establishing a level of metabolic markers and their correlation with the degree of abdominal obesity in this age, as well as detection of gravity of modulating risk factors.