

Evaluation of diploma work

ASSOCIATION BETWEEN VISCERAL FAT AND METABOLIC VARIABLES. THE METABOLIC SYNDROME

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Subject of the presented diploma work was 1. to give an overview of the role of visceral fat in pathogenesis of insulin resistance and obesity-linked metabolic disorders 2. analysis of the results of a cross sectional study of the relationship of the amount of visceral fat and indices of metabopolic syndrome in a group of females.

The presented work is composed in usual sections of introduction, methods, results, discussion and conclusion. The introduction consists of a short overview of the pathogenesis of obesity and metabolic syndrome, of the impact of body fat distribution and visceral fat on obesity linked disorders. Thereafter the authors makes an overview of the treatment of obesity , including the effects of physical aktivty. The Methods section gives appropriate characterization of subjects of the study and methods of examination including statistical methods. . However, description of the Method used for measurement of visceral fat was omitted. The Results section (the title was ommitted) shows the differences of the visceral fat area and of some indices of metabolic syndrome between the lean, obese and obese with metabolic syndrome subjects. Thereafter author presents the positive correlation between the visceral fat area and indices of insulin resistance and plasma triglycerides. The discussion is too short with two reference only. Conclusion is appropriate. References are adequate, cited in the introduction as appropriae.

In summary, this diploma work fulfils the demands imposed on the diploma work at the 6th year of medical studies and, in spite of several drawbacks metnooned above, my evaluation of the work is: excellent.

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