

## Association of Selected Biochemical Markers and Body Mass Index in Women with Endocrine Disorders

**Authors :** M. Mydlárová Blaščáková, J. Bernasovská, J. Poráčová, I. Boroňová

**Abstract :** Obesity is frequent attendant phenomenon of patients with endocrinological disease. Between BMI and endocrinological diseases is close correlation. In thesis we focused on the allocation of hormone concentration - PTH and TSH, CHOL a mineral element Ca in a blood serum. The examined group was formed by 100 respondents (women) aged 36 - 83 years, who were divided into two groups - control group (CG), group with diagnosed endocrine disease (DED). The concentration of PTH and TSH, Ca and CHOL was measured through the medium of analyzers Cobas e411 (Japan); Cobas Integra 400 (Switzerland). At individuals was measured body weight as well as stature and thereupon from those data we enumerated BMI. On the basis of Student T-test in biochemical parameter of PTH and Ca we found out significantly meaningful difference ( $p < 0,05$ ) between CG and DED. In CG we made a founding the association between BMI and PTH by means of correlation analysis.

**Keywords :** biochemical markers, hormones, obesity, women

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