

Wpływ tonsillektomii na stężenie cynku w surowicy krwi

The influence of tonsillectomy on zinc serum level

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SUMMARY

Introduction: The zinc is one of the most important trace elements that take part in cellular metabolism. It is a cofactor of more than 200 enzymes. It enables the healing and regeneration of tissues. The proper oral mucosa metabolism depends on correct level of the ion.

Aim: The aim was to evaluate the tonsillectomy influence on zinc serum level.

Material and methods: The zinc serum level was carried out on 32 patients (18 women and 14 men) before and after tonsillectomy. The measurement was assessed on the biochemical laboratory system Olympus® AU560. The t-Student test for dependent sampling was used for statistical analysis considering critical value $p < 0.05$.

Results: The average serum zinc level before operation was from 93.2 $\mu\text{g/dl}$. After the treatment the average level decreased to 81.5 $\mu\text{g/dl}$.

Conclusion: The tonsillectomy causes significant zinc serum depletion ($p < 0.01$). The diagnosis of disorder that might be result of zinc deficiency should lean towards the supplementation.

Hasła indeksowe: tonsillektomia, cynk

Key words: tonsillectomy, zinc