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Title: Changes in Serum Level of Trace Elements in Pulmonary Tuberculosis Patients during Anti-Tuberculosis Treatment

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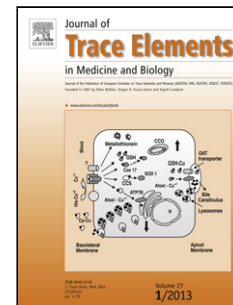
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Changes in Serum Level of Trace Elements in Pulmonary Tuberculosis Patients during Anti-Tuberculosis Treatment

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Elements during Anti-Tuberculosis Therapy

Summary

Introductions: Tuberculosis is spreading throughout the globe, while it is a crucial cause of death in developing countries. In this study, trace elements concentrations and their alterations were determined in TB patients during anti-tuberculosis treatment period.

Materials and methods: We have collected blood samples from a total of 180 TB patients with pulmonary Tuberculosis, and 180 healthy controls in Sistan, Iran. The serum iron, copper, lead, calcium, arsenic and selenium concentrations were detected at the beginning of anti-TB chemotherapy, at the end of 2nd, 4th and 6th month after treatment initiation. Data were then analyzed using SPSS version 20.

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