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Evaluation And Comparison Of Serum Melatonin Determination In Normal Individuals And Migraine Patients

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Abstract:

Background: Migraine is a chronic hereditary and relapsing headache. With regard to the prevalence of this ancient disease and its economic complications in country, in this study , nocturnal serum melatonin of migraine patients and control subjects have been evaluated and compared by ELISA kit. Materials and Methods: Fifty migraine patients (mostly women) were compared to a control group (mostly men) matched according to age. Results: Statistical analysis revealed a decrease in nocturnal serum melatonin levels for migraine patients (32.9 28.4) compared to the control one (75.6 56.8). With using of t-test by ELISA kit showed significant difference ($p=0.0064$). Conclusion: With regard to this, the pineal gland has the main role in the synchronization of the organism with the environmental conditions and migrainous headaches.

Keywords:

Melatonin . ELISA kit and Pineal gland

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