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BIOCHEMICAL DERANGEMENTS RELATED TO METABOLIC SYNDROME IN EPILEPTIC PATIENTS ON TREATMENT WITH VALPROIC ACID

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Keywords: Metabolic Syndrome, Oxidative Stress, Valproic Acid

Highlights:

- Valproic acid per se causes biochemical derangements related to metabolic syndrome
- Long term treatment with Valproic acid corrects dyslipidemia in epileptic patients
- Antioxidant therapy may be included in the treatment regimen for epileptic patients
- Monitoring for metabolic syndrome is recommended on treatment with Valproic acid

Abstract

Purpose: Evaluation of biochemical derangements related to metabolic syndrome in epileptic patients on treatment with Valproic acid.

Methods: This study consisted of two groups of 42 patients. Group I - Newly diagnosed patients with epileptic seizures untreated with any Anti-epileptic drugs (AEDs). Group II – Patients on treatment with Valproic acid for more than one year. Age and gender matched patients of 18-40 years were recruited. Patients who were diabetic, hypertensive, smokers, alcoholics, with

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