

عنوان مقاله:

Investigating Changes in Serum Biochemical Parameters in Opium Addicts Before and During Addiction Treatment

محل انتشار:

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خلاصه مقاله:

Background: Iran is one of the major consumers of opium and opiate substances in the world. Addiction has become a very important issue in the ۲۱st century and an urgent one in Iran. The consumption of this substance leaves a variety of impacts on the human body. The goal of this study is to investigate the changes of the biochemical parameters derived from opiate substances in addicts during their treatment. **Methods:** This is a cross-sectional research that focused on ۴۰ individuals dependent on the consumption of opium. Their blood samples were taken before and during treatment, and their fasting blood sugar (FBS), sodium, calcium, phosphorus, creatinine, urea, uric acid, total protein, triglycerides, low-density lipoprotein (LDL), high-density lipoprotein (HDL), and total cholesterol were measured. Data were analyzed by SPSS using paired t-test. **Findings:** The results showed that serum uric acid, LDL, cholesterol, and the total protein levels significantly decreased during the treatment in comparison with the time before the treatment ($P < ۰.۰۵$). Yet, the serum fasting glucose, urea, creatinine, HDL, triglycerides, calcium, phosphorous, sodium, and potassium showed no significant change the time prior and during the treatment. **Conclusion:** Given the findings of the analysis, opium addiction has a number of destructive impacts on the lipid profile and uric acid. In addition, the level of total protein decreased during the treatment

کلمات کلیدی:

Dependence on opium, Blood biochemical parameters, Addiction treatment, Opium

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