

عنوان مقاله:

Effects of Salvia Officinalis L. Extract on Biochemical Blood Parameters in Male Rats

محل انتشار:

مجله علمی پژوهشی دانشگاه علوم پزشکی زنجان, دوره 22, شماره 94 (سال: 1393)

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نویسندگان: Dept. of Animal Sciences, Agriculture Faculty, Ferdowsi University of Mashhad, Mashhad, Iran - سودابه عربی

Pept. of Physiology Animal Science, Agriculture Faculty, Ferdowsi University of Mashhad, Mashhad, - جواد آرشامی

عليرضا حق يرست - Dept. of Immunology, Veterinary Faculty, Ferdowsi University of Mashhad, Mashhad, Iran

خلاصه مقاله:

Background and Objective: salvia officinalis L. consists of, glycosides, flavonoids, and anthocyanins. Due to the increasing use of medicinal plants in treatment of diseases and their side effects on various organs, this study was conducted to evaluate the effect of salvia officinalis on biochemical blood parameters in male rats. Materials and Methods: In this experimental study, YF male Wistar rats were randomly assigned to four groups of F animals each. The control group received normal saline and treatment groups received Ya, Iao and Woo mg/kg body weight of salvia extract for 1F days. Body weight was measured in days ., Y, and 1F. At the end of the experiment, serum levels of liver function enzymes such as AST and ALT, total proteins, albumin, creatinine, cholesterol and triglyceride were assessed. Results were analyzed using one- way ANOVA and Tukey test. Results: According to the results, plasma concentrations of protein, albumin and creatinine showed a significant increase (P<...a) but, a significant decrease was observed in liver enzymes. No significant changes were observed in serum cholesterol, triglyceride levels and body weight in the control and salvia groups (P>o.oa). Conclusion: The results indicated that Salvia Officinalis probably contains flavonoidic components with antioxidant effect leading to the increase in albumin and decrease in liver enzymes. References 1- Katzung B, Masters S, Trevor A. Basic & clinical pharmacology. Newyork: Mc Graw-Hill Medical. Yoll. Y- Glisic SB, Ristic M, Skala D, Ivanovic J. Extraction of sage (salvia officinalis L.) by supercritical CoY: kinetic data, chemical composition and selectivity of diterpenes. J Superitica Fluids. ٢٠١٠ ΔΔ(۱): ۶۲-۷۰. Ψ- Oboh G, Henle T. Antioxidant and inhibitory effects of aqueous extracts of salvia officinalis leaves on pro-oxidant-induced lipid peroxidation in brain and liver in vitro. J Med Food. Yoo9 1Y(1): YY-AF. F- Wang M, Shao Y, Li J, et al. Antioxidative phenolic glycosides from sage (Salvia officinalis). J Nat Prod. 1999 FY: FAF-F. A- Baricevic D, Sosa S, Della Loggia R, et al. Topical anti in flammatory activity of Salvia officinalisl leaves. J. Ethnopharmacol. ۲۰۰۱ ሃል: ነሃል- ምሃ. ۶- Weiss RF, Fintelman Volker. Herbal Medicine Germany: Thieme Verlag. Yool. Y- Orhan I, Kartal M, Naz Q, et al. Antioxidant and anticholinesterase evaluation of selected turkish salvia species. Food Chemistry, ΥοοΥ: 10Ψ: 1ΥΕΥ-ΔΕ. Α- Tepe B, Eminagaoglu O, Akpulat H, Aydin E. Antioxidant potentials and rosmarinic acid levels of the methanolic extracts of ... Salvia verticillata (L.) subsp. Verticill

كلمات كليدى:

Keywords: Liver enzymes, Blood parameters, Salvia extract, Male rat

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