Date Extract Prevent Hypogonadism In Rat Suffering From Liver Damage Induced By Carbon Tetrachloride

Abdeldayem Zakaria, 2Aida El-Sayed Bayad, 3Sherief Mohamed Abdel-Raheem, 4Marwa Farouk Ali, 1Khalid Ahmed Al-Busadah, 1Ibrahim Fahd Albokhadaim, 1Mohammed Hamad Al-Nazawi and 1Abdullah Yousif Al-Taher

Abstract:

There is a relationship between hypogonadism and liver cirrhosis caused by chronic hepatitis. Date palm are widely used in traditional medicine for treatment of different diseases including, liver troubles. Objective: The objective of the study was to evaluate the role of date flesh or pit aqueous extract in prevention of hypogonadism resulted from liver damage. In addition, to determine the most effective extract and the exact time of its application. Materials and Methods: Sixty rats were divided into 6 equal groups. Control treated daily orally and intraperitoneally with distilled water and olive oil respectively. Group 2: injected on the days 1, 2 and 3 of the treatment period I/P with CCl4. Groups 3 and 5: (Pretreatment date flesh or date pit groups) were administrated aqueous extract of date flesh or pit orally and treated with CCl4 on day 30, 31 and 32 of the treatment period. Group 4 and 6: (Post treatment date-flesh or date-pit group) were administrated aqueous extract of date flesh or date-pit orally and treated with CCl4 on the days 1, 2 and 3 of the treatment period. The experimental period was 60 days. The data were analyzed statistically using one-way analysis of variance procedures and Duncan's test. Results: Rat treated with CCl4 showed significant p

Keywords:

Date flesh or pit extract, hypogonadism, liver damage, oxidative stress

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