

رقم البحث: (3)

عنوان البحث باللغة العربية:

الدور الفعال لمستخلص المور ينجا كمضاد للأكسدة والالتهاب ضد سمية الأدوية الكيميائية لعلاج سرطان الثدي في

جرذان التجارب

عنوان البحث باللغة الانجليزية:

Antioxidant and anti-Inflammation Potentials of *Moringa oleifera* Aqueous Extract Against breast cancer chemotherapy drug Induced Kidney and Liver Toxicity in Experimental Rats

إسم المجلة – سنة النشر:

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المؤلفين

Essawy A., Beeker H.M., Ola N. Sayed Abdel-Wahhab K.G. and Saber S.R.

الملخص باللغة الإنجليزية

Breast cancer is the most common causing death in women. Tamoxifen, 1-[4-(2-dimethyl-aminoethoxy) phenyl]-1,2-diphenyl-1-butene), is a nonsteroidal antiestrogen breast cancer prevention drug causing liver toxicity. This study was carried out to elucidate the efficacy of *Moringa oleifera* aqueous extract against carcinogenic effect of Tamoxifen in male rats. 50 male albino rats were divided equally into Five groups: control group (I); *Moringa oleifera* aqueous group (II) of dose (300mg/Kg/day for 6 weeks); group (III) received Tamoxifen (3mg/Kg/3 daysfor6weeks); rats received orally Tamoxifen and *Moringa oleifera* aqueous extract together for 6 weeks group (IV) and rats pretreated with *Moringa oleifera* aqueous extract then Tamoxifen with the same dose and period group (V). In group (III) there were elevate in serum activities of ALT, AST, LDH, and serum levels of TNF- α , IL-1 β , Il-10, cholesterol, TG, LDL, HDL, Urea, Creatinine also liver MDA; NO; ATPase. There were decrease in serum Total protein, Albumin and liver antioxidants markers (TAC and GSH) compared to control. In conclusion, oral administration of *Moringa oleifera* aqueous extract improved the biochemical markers and provided antioxidant activity against the toxicity of Tamoxifen in liver tissues.