

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

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A TOXICOLOGICAL STUDY ON SOME ANTIOXIDANTS

Thesis

*Submitted in partial fulfillment of
M.D Degree in Forensic Medicine and Toxicology*

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
 وَمَنْ يَتَّقِ اللَّهَ يَجْعَلْ لَهُ مَخْرَجًا
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 وَمَنْ يَتَوَكَّلْ عَلَى اللَّهِ فَهُوَ حَسْبُهُ
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 شَيْءٍ قَدْرًا

سورة الطلاق (٢، ٣)

Abstract

Antioxidants are the world's most widely used pharmaceutical products to overcome the different diseases which are caused by free radicals that result from the continuous oxidation processes in the body.

This study was done to reveal the toxic effects of vitamins A & E and to investigate the protective role of both vitamins on carbon tetrachloride induced toxicity. Oral toxic doses were given to the albino rats for 3 months.

Kidney & liver function tests, products of lipid peroxidation & histopathology of liver & kidney were done. Vitamin A was the most toxic & vitamin E was less toxic.

Both vitamins exert a protective effect against the toxic effects produced by CCL₄. However the protection was more with vitamin E than with vitamin A.

Key Words:

Vitamin A toxicity - vitamin E toxicity - liver & kidney functions - rats - lipid peroxidation - CCL₄ toxicity.

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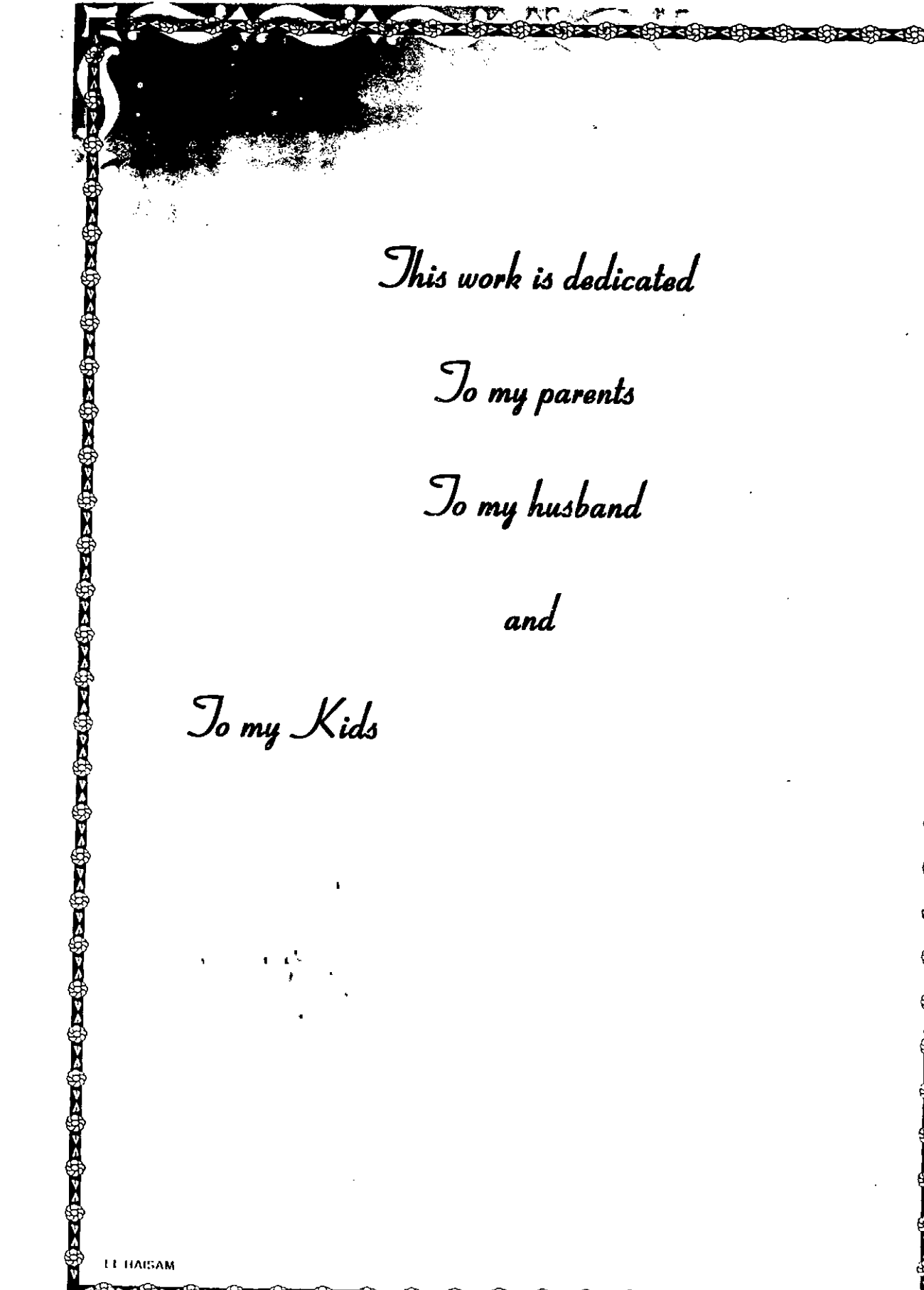
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This work is dedicated

To my parents

To my husband

and

To my Kids

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