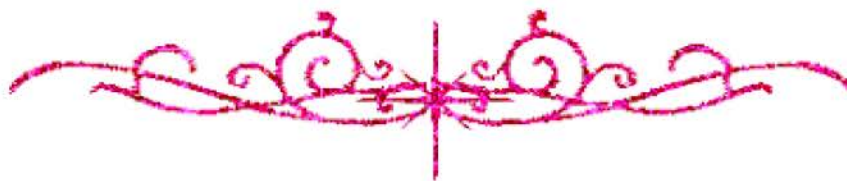


بسم الله الرحمن الرحيم





شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

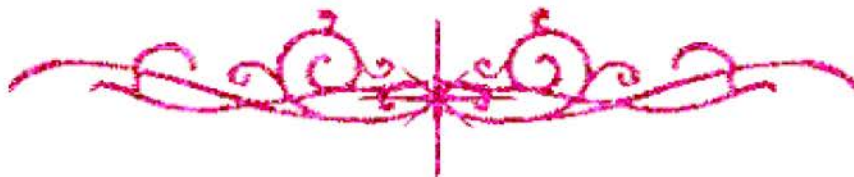
قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات



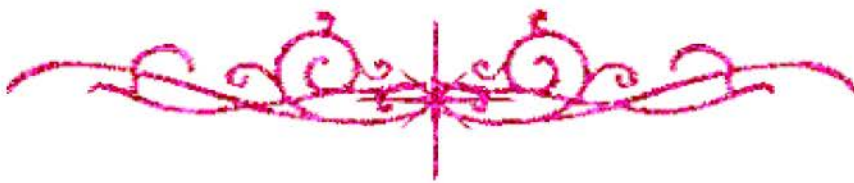
يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



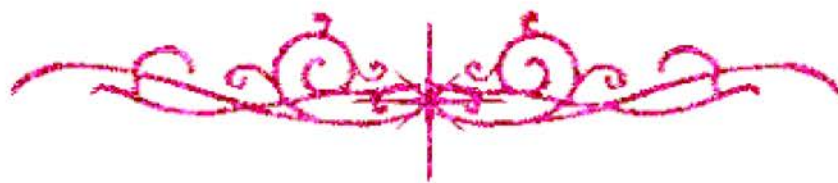


بعض الوثائق الأصلية تالفة





بالرسالة صفحات
لم ترد بالأصل



**THE RELATION BETWEEN MAGNESIUM
DEFICIENCY AND DIABETIC
RETINOPATHY**

THESIS

Submitted for Partial Fulfillment of
Master Degree in Public Health
By

Entesar Abood Bin-Thabet

Supervisors

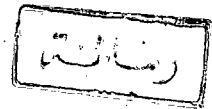
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Abstract

This is a case-control study, carried out to detect the relation between hypomagnesemia and diabetic retinopathy, to study other risk factors for diabetic retinopathy and to find out the relation between magnesium deficiency and other vascular complications among diabetics. Serum magnesium was measured in three groups, the first group included 30 cases of diabetes mellitus with definite diabetic retinopathy, the second group included 30 cases of diabetes mellitus with no clinical evidence of diabetic retinopathy and the third group included 30 subjects of non-diabetics. Sex, age and duration of diabetes were matched.

It was found that, serum magnesium levels were significantly lower in diabetes mellitus group than in diabetic retinopathy and non-diabetic groups. Significant associations were found between diabetic retinopathy and hypertension, poor glycemic control, inadequate diet control, irregularity in drug use, lack of routine diabetic

retinal examination, less frequent laboratory check up of blood glucose, gravidity, low socioeconomic status and family history of diabetes mellitus.