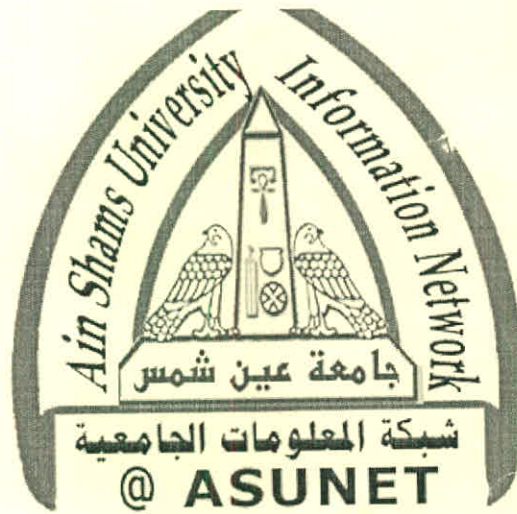




شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





شبكة المعلومات الجامعية التوثيق الالكتروني والميكرو فيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
على هذه الأفلام قد أعدت دون أية تغييرات



يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

في درجة حرارة من 15-25 مئوية ورطوبة نسبية من 20-40%

To be Kept away from Dust in Dry Cool place of
15-25- c and relative humidity 20-40%

A study of serum zinc level among normal and low birth weight Egyptian newborns

Thesis

Submitted for partial fulfillment of the Master degree in Pediatrics

By

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2005

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا
عَلَّمْتَنَا إِنَّكَ أَنْتَ الْعَلِيمُ
الْحَكِيمُ

صدق الله العظيم

سورة البقرة آية (٣٢)

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INTRODUCTION

Zinc is one of essential trace elements and , as such, a member of one of the major subgroups of the micronutrients that have attained such prominence in human nutrition and health. Even a partial understanding of the fundamental importance of Zinc in cellular growth and differentiation alters us to the special vulnerability to an inadequate supply of Zinc of the rapidly growing embryo, fetus, infant and young child (Hambidge, 2000).

Zinc is essential for synthesis of coenzymes that mediate biogenic – amine synthesis and metabolism. Hence ,Zinc is essential for Brain development and function . (Sandstead et al., 2000).

Zinc deficiency may be mild or severe . Organ systems known to be affected clinically by severe Zinc deficiency states include the epidermal , gastrointestinal , immune , skeletal , reproductive and central nervous systems . (Hambidge 2000)

Therefore acute Zinc deficiency impairs brain function of humans (Sandstead et al., 2000).

Maternal Zinc supplementation has been suggested as a potential intervention to reduce the incidence of low birth weight in developing countries (Osendarp et al.,2000) .

AIM OF WORK

The aim of this work is to compare serum zinc level among normal and low birth weight neonates & to find its relation to their birth weight and occurrence of complications.

