



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



شبكة المعلومات الجامعية
@ ASUNET



شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
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بعض الوثائق الأصلية تالفة

بالرسالة صفحات لم ترد بالاصل

Lipid profile in Rabbits during pregnancy .

A thesis

Presented to Tanta university

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Of

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By

Ahmed Farag Ali El-Kirdasy

B.V.Sc. Vet Med .Zagazig university .

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Under the supervision

of

Dr .IBRAHIM .F.HASSAN.

**professor of biochemistry ,vice dean &
chairman of physiology & Biochemistry
department . Fac. of Vet .Med. Tanta
university, Kafr El-Sheikh.**

Dr.EISAID EL-SHERBINI ELSAID

**professor of biochemistry &chairman of
biochemistry department –Elmansoura
university**

Dr.KHALED.ABDEL ALEIM

KAHILO.

**Assistant professor of biochemistry ,
Faculty of .vet .Med .Tanta university
Kafr EL-sheikh**

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28
1999

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

TANTA UNIVERSITY
FACULTY OF VET. MED
DEPARTMENT OF PHYSIOLOGY
& BIOCHEMISTRY

Approval Sheet

This is approved that the disseration by Vet. Dr: Ahmad Farag Ali El-Kirdasy to Tanta university for the degree of master Vet. Science (Biochemistry) has been approved by the examining committee:

Prof. Dr. Hatem Mohamad El-Hendy:

*Prof. of Biocemistry
Faculty of Vet. Med.
Cairo University*

H. El Hendy
2.9.99

Prof. Dr. El-sayed Mohamad Fattouh:

*Prof. Dr. and Head of Threognology Dept.
Dean of the Faculty of Vet. Med (Kafr El-Sheikh)
Tanta University*

E. Fattouh

Prof. Dr. Ibrahim Fattouh Hassan

*Prof. & Head of Physiology & Biochemistry Dept.
Vice Dean of the Faculty of Veterinary Medicine
Tanta University (Kafr El-Sheikh)*

I. F. Hassan

Prof. Dr. El-said El-sherbini El-said:

*Prof. & Head of Biochemistry Dept.
Faculty of Veterinary Medicine
El-Mansoura University*

S. El-Said

Dr. Khaled Khilo:

*Assit. Prof. of Biochemistry
Faculty of Vet. Med . (Kafr El-Sheikh)
Tanta University*

Kh. Kheila

Date : 2/9/1999

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To my

PARENTS

BROTHERS

AND MY WIFE

List of abbreviations

1) L.CFAs	Long chain fatty acids .
2) ATP	adenosine triphosphate.
3) EPL	Essential phosphate lipids .
4) HDL-c	High density lipoprotein cholesterol
5) LDL-c	Low density lipoprotein cholesterol
6) VLDL	Very low density lipoprotein cholesterol
7) LPL	Lipoprotein lipase
8) NEFA	Non esteritfied fatty acid .
9) TSH	Thyroid stimulating hormone .
10) CAMP	cyclic adenosine mono phosphate .
11) WHHL	watanoble heritable hyperlipidemic .
12) NZW	New zealand white

INTRODUCTION

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The domestic rabbits (*Oryctolagus uniculus*) are very essential to human life for many reasons .They are raised for show, fur, home or commercial meat production, Lab. animal and breeding stock .

The space requirements for raising rabbits are minimal , for reason people living in small places can raise rabbits for their consumption .

The raising of rabbits can be satisfying and rewarding experience as was adding to the family income .

Nowadays, stress, air and water pollutions from modern industries and the danger of coronary heart diseases incidence were elevated so the direction to meat free from cholesterol was increase .

Moreover *Janieri(1987)* reported that ,rabbit meat compared to beef ,chicken,lamb and pork meat, ranks highest in protein and lowest in fat content and calories .Furthermore the meat of rabbit have highly poly unsaturated fatty acids (*Roe et al,(1979)* and Low cholesterol level (*Janieri,1987*).

Pregnancy imposes a large demand upon the female animal .Pregnancy and parturition are physiological conditions which may may be accompanied with some alterations in the biochemical constituents of the blood (*Soliman et al, 1966*).

Since the blood acts as the carrier for nutrients from the pregnant animal to its developing foetus, analysis of blood may

Introduction

reflect the nutritional status for the foetus .It also throws some light upon the food requirements during this critical period of reproduction (*EL-Naggar, 1975*).

This economic importance lead to direction of many research workers to rabbit biochemical and metabolic changes for raising its industrial production . So the aim of this work is the through some lights on the biochemical changes in lipids during pregnancy in does .

Accordingly , this work was planned to estimate:

1. Serum total lipids.
2. Triglycerides (triacylglycerol) .
3. Cholesterol .
4. Phospholipids .
5. Lipoprotein fractions.
 - I) HDL-c.
 - II) LDL-c.
6. Fatty acids.

REVIEW OF LITERATURES