

بسم الله الرحمن الرحيم



SALWA AKL



شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



SALWA AKL

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

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



يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



SALWA AKL



بعض الوثائق الأصلية تالفة



SALWA AKL



بالرسالة صفحات

لم ترد بالأصل



SALWA AKL

B77365

SOME STUDIES ON METABOLIC DISORDERS IN GOATS

BY

HAMED ABD-EL MAGID - EL EMAM SHALABY

(B . V . Sc . , 1979)

Cairo University

Under the supervision of

Prof. Dr. FAYEZ NASR KIROLOSS

Prof. Of Medicine. Fac. Of Vet.

Med. Zagazig University

**Prof. Dr. MOHAMED AHMED
ALY YOUSIF**

**Prof. Of Medicine. Fac. Of
Vet.Med. Zagazig University**

**Dr.SAMIR RADWAN
EL-GMIEY**

**Director Of Animal Health
Research Institute Mansoura**

A THESIS

Fac. Of Vet. Medicine

Submitted to / Zagazig University

For the Degree of

Master of Vet. Medical Science

(Medicine)

1999

ACKNOWLEDGMENT

First of all , prayerful thanks to God for the power , indurance and every thing I have , He gave me during my life .

I can not find enough words to express my deep feeling towards my supervisors for their great help and guidance in producing this thesis .

I would like to express my cardial thanks and sincerest gratitude and appreciation to *Prof. Dr. FAYEZ NASR KIROLOSS* , Prof. Of Medicine , Department of Animal medicine , Faculty of Veterinary Medicine , Zagazig University , for his valuable help , guidance , encouragement and critical revisions .

I am greatly indebted and thankfull to *Prof. Dr. MOHAMED AHMED ALY YOUSIF* , Prof. Of Medicine , Department of Animal medicine , Faculty of Veterinary Medicine , Zagazig University , for his great help , facilities , encouragement and kindness during my study .

I am also indebted to *Dr. SAMIR RADWAN EL - GMIEY* , Director of Animal Health Research Institute , Mansoura , for his continuos encouragement , guidance and for all kinds of help to carryout this investigation .

I wish to express my greatest gratitude , deep thank and appreciation to *Dr. MOHAMED IBRAHIM* , Researcher in EL - Serw farms , Animal Production Institute , for his help , continuos advice and making the availability to complete of this work .

Sincere thanks are due to *Dr. SAYED AHMED TAWFEK*, Researcher in EL - Mansoura Laboratory , Animal Health Research Institute , for his help in all stages of this work .

I like to express my deepest thanks to *Dr. AHMED AMIN BAKRY* , Researcher in EL - Mansoura Laboratory , Animal Health Research Institute , for his help in finishing of this work .

I am greatly indebted and thankful to *Dr. AHMED EL - GAMAL* , Researcher in EL - Mansoura Laboratory , Animal Health Research Institute , for his guidance and assistance during the writing of this thesis .

I would like to express my thanks and appreciation to *Dr. SABRY ABDOU EL - DESSOUKY* , Researcher in EL - Mansoura Laboratory , Animal Health Research Institute , for his help , valuable guidance and continuous encouragement .

I like to express my deepest thanks to *THE HEAD AND ALL STAFF MEMBERS* in EL - Mansoura Laboratory , Animal Health Research Institute , for all kinds of help to carryout this investigation .

DEDICATION

TO

MY MOTHER

MY WIFE

MY SONS

(AHMED AND MOHAMED)

AND MY DAUGHTER

(BASMA)

CONTENTS

Page

LIST OF TABLES.....	
LIST OF FIGURES	
ACKNOWLEDGEMENT.....	
INTRODUCTION.....	1
REVIEW OF LITERATURE.....	5
MATERIAL AND METHODS.....	34
RESULTS.....	43
DISCUSSION.....	82
CONCLUSION.....	112
SUMMARY.....	115
REFERENCES.....	120
ARABIC SUMMARY.....	

LIST OF TABLES

	Page
Table (1) : Feeding program according to body weight of goats	34
Table (2) : Chemical analysis of the used ration .	35
Table (3) : Clinical findings in 13 diseased goats with pregnancy toxaemia .	44
Table (4) : Clinical findings in 15 diseased goats with hypocalcaemia	47
Table (5) : Clinical findings in 10 diseased goats with hypomagnesaemia	50
Table (6) : Showing the alteration in haemoglobin and haematocrit percentages as well as hydrogen ion concentrations , bicarbonate , and carbon dioxide and oxygen tensions in pregnancy toxaemic group	52
Table (7): Showing the variation of biochemical analysis in apparently healthy goats and those affected with pregnancy toxaemia before and after treatment .	53
Table (8) : Showing the variation of plasma minerals and electrolytes analysis in apparently healthy goats and those affected with pregnancy toxaemia before and after treatment .	54
Table (9) : Showing the alteration in haemoglobin and haematocrit percentages as well as hydrogen ion concentrations , bicarbonate , and carbon dioxide and oxygen tensions in hypocalcaemic group .	55