

Ain Shams University
College of Girls for Arts, Science
& Education
Department of Zoology

**A COMPARATIVE STUDY ON THE
ADVERSE EFFECT OF "GARAMYCIN"
SINGLE OR COMBINED WITH MULTIVI-
TAMIN ON FAYOUMI MOTHER HENS
AND THEIR OFFSPRING**

A Thesis Submitted
For

(M.Sc.) Degree in Zoology
By

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(B.Sc.)

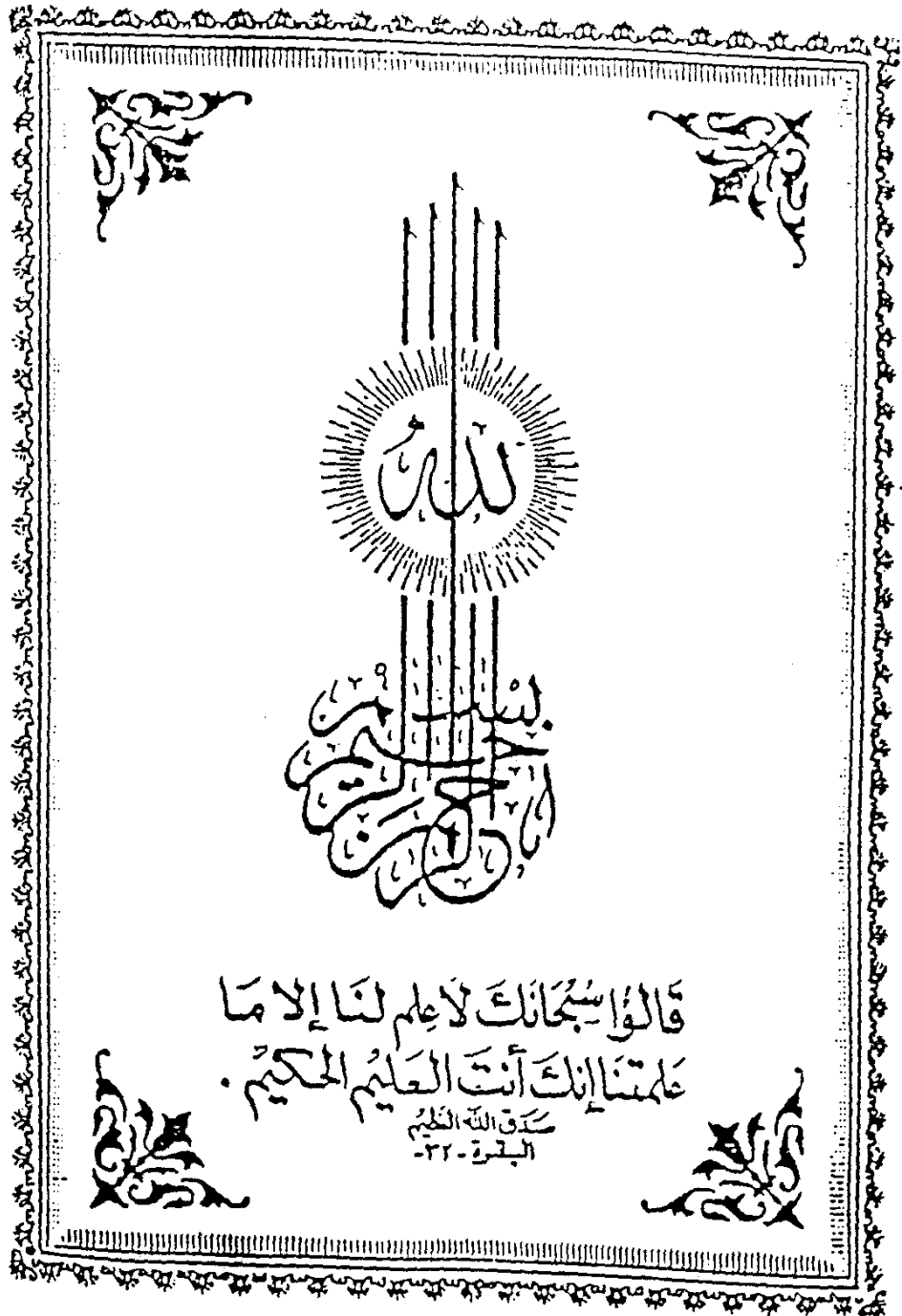
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1996





قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا
عَلَّمْتَنَا إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ
سُورَةُ الْبَقَرَةِ - آيَةُ ٢٢٢

*Thanks
To My
Family*

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ACKNOWLEDGMENT

First of all, Cordial thanks are due to "ALLAH" Who facilitates my way for science and knowledge .

I wish to express my deepest gratitude to Prof.Dr.Fatma M. Mazhar, Professor of Vertebrates and Embryology, Department of Zoology, College of Girls, Ain Shams University, for her continuous close supervision, great help, guidance, encouragement and for the immeasurable time and effort she generously gave throughout the whole work, as well as constructive criticism in reading the manuscript. Without her help the present thesis would not have been accomplished. No words seem to be sufficient to express my gratitude and indebtedness .

I wish also to acknowledge Dr. Magda A., Ibrahim , Assistant Professor of Embryology, Department of Zoology, College of Girls, Ain Shams University, for suggesting and planning this work .

Sincere thanks are due to Prof. Dr. Erian, G. Kamel Head of Zoology Department, College of Girls, Ain Shams University, for providing valuable facilities and support.

Finally, my grateful thanks to staff members and colleagues of the Department of Zoology College of Girls, Ain Shams University for their help and cooperation .

ABSTRACT

The present work deals with the effect of gentamicin sulfate alone or combined with varolex B₁₂ on mother hens and their chicks from several points (behaviour, morphology, egg production, hatching rate, mortality rate, growth rate, length, weight and histological features of liver and kidney) .

The mother hens were treated intramuscularly with gentamicin (0.5, 1.0 and 1.5 ml/ Kg/ body weight) alone or combined with 1CC. varolex B₁₂ for 14 days .

The results showed that gentamicin affected the mother hens and their chicks. Defects and signs of toxicity were dose dependent. The least defects appeared on treatment with the lowest dose of gentamicin combined with 1CC. varolex B₁₂ .

The mother hens showed behaviour alterations, increase of mortality rate, decrease in body weight and egg production compared to the control .

The chicks showed decrease in hatching percent, increase in the mortality rate, morpho-

A- Experimental animals	41
B- Experimental drugs	42
- Gentamicin sulfate	42
- Varolex B ₁₂	43
- Diet	44
C- Experimental design	45
D- Morphological studies	46
- General behaviour	46
- Growth rate	46
- Egg production and incubation.....	46
E- Histological studies.....	48
F- Statistical analysis.....	49
IV- RESULTS.....	51
A-Morphological investigation of mother hens.....	51
- General behaviour.....	51
- Growth rate.....	63
- Egg production.....	69
B- Effect of gentamicin alone or combined with varolex B ₁₂ on chicks.....	75
- Hatchability and mortality	78
- Morphological examination	81
- Length	97
- Weight	98
C- Histological studies	108
- The liver	108
- The kidney	143