



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ  
يَا حَسْرَجُونَ حَسْرَجُونَ





شبكة المعلومات الجامعية



# شبكة المعلومات الجامعية

# التوثيق الإلكتروني والميكروفيلم



شبكة المعلومات الجامعية

# جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

» قسم »

نقسم بجلاله العظيم أن المادة التي تم توثيقها وتسجيلها  
على هذه الأفلام قد اعدت دون آية تغيرات



يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 منوية ورطوبة نسبية من 40-20 %

To be kept away from dust in dry cool place of  
15 – 25c and relative humidity 20-40 %



شبكة المعلومات الجامعية



بعض الوثائق

الأصلية تالفة



شبكة المعلومات الجامعية



بالرسالة صفحات

لم ترد بالأصل

B1-975

**STUDIES ON THE PREVALENT SURGICAL  
AFFECTIONS IN RUMINANTS AT ALEXANDRIA  
AND BEHIRA PROVINCES AND THEIR  
SURROUNDINGS**

*Thesis Presented*

*By*

**Maisa Abdel Azeem Anouar**

M.V.Sc., Fac. Vet. Med., Alex. Univ., 1993

*For  
The Degree of Ph.D  
(SURGERY)*

*Department To  
Faculty of Veterinary Surgery  
Alexandria University  
Faculty of Veterinary Medicine*

**1998**

*Under The Supervision of*

**PROF. DR. MOUSTAFA MOHAMED KASSEM**

*Professor and Head of Surgery Department  
faculty of Veterinary Medicine  
Alexandria University*

**PROF. DR. AHMED ABDEL MONEM KENAWY**

*Assistant Professor of Surgery  
Department of Surgery  
Faculty of Veterinary Medicine  
Alexandria University*

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

( بِسْمِكَ الَّذِي لَا يَعْلَمُ لَنَا إِلَّا مَا يَعْلَمُنَا )

( إِنَّكَ عَلَيْهِ الْعَلِيهِ الْمُحْكِيمُ )

صَدَقَ اللَّهُ الْحَسْنَى

جامعة الاسكندرية  
كلية الطب البيطري  
قسم الجراحة

### قرار لجنة الحكم والمناقشة

قررت لجنة الحكم والمناقشة ترشيح السيدة ط.ب / ميسة عبد العظيم أتور للحصول على درجة دكتوراة الفلسفة في العلوم الطبية البيطرية تخصص ( الجراحة )

١ - السيد أ.د/ محمود حسين الجندي  
أستاذ الجراحة وعميد  
كلية الطب البيطري - جامعة  
أسيوط سابقاً

٢ - السيد أ.د/ سمير راشد نسوح  
أستاذ الجراحة كلية الطب  
البيطري - جامعة الاسكندرية

٣ - أ.د/ مصطفى محمد قاسم  
أستاذ ورئيس قسم الجراحة  
كلية الطب البيطري - جامعة  
الاسكندرية والمشرف على الرسالة

٤ - د. / أحمد عبد المنعم فناوى  
أستاذ مساعد الجراحة كلية الطب  
البيطري - جامعة الاسكندرية  
ومشرف على الرسالة

## ACKNOWLEDGEMENT

I wish to express my deep gratitude and sincere thanks for the great kindness, continuous encouragement and supervision of Prof. Dr. Moustafa M. Kassem, Professor and Head of Surgery Department, Faculty of Veterinary Medicine, Alexandria University under his supervision, guidance and criticism this work was carried out and became possible.

Grateful thanks and sincere gratitude are also to Prof. Dr. Ahmed A. Kenawy, Assistant Professor of Surgery, Department of Surgery, Faculty of Veterinary Medicine, Alexandria University for sharing supervision, continuous aid and encouragement.

Many thanks are also to members of the Surgery Department, Faculty of Veterinary Medicine, Alexandria University, and Prof. Dr. Samir Nouh and Dr. Ramadan Abdel-Wahed.

## **CONTENTS**

	<b>Page</b>
<b>1.0 INTRODUCTION . . . . .</b>	<b>1</b>
<b>2.0 REVIEW OF LITERATURE . . . . .</b>	<b>3</b>
<b>2.1. Affections of the head and neck . . . . .</b>	<b>3</b>
<b>2.1.1. Eyes . . . . .</b>	<b>3</b>
<b>2.1.2. Mouth, ear and nose . . . . .</b>	<b>8</b>
<b>2.1.1. Horns . . . . .</b>	<b>9</b>
<b>2.2. Affections of the udder and skin . . . . .</b>	<b>12</b>
<b>2.3. Affections of the tail and surroundings . . . . .</b>	<b>21</b>
<b>2.4. Affections of the abdominal region . . . . .</b>	<b>25</b>
<b>2.5. Affections of the limbs . . . . .</b>	<b>30</b>
<b>3.0 MATERIAL AND METHODS . . . . .</b>	<b>37</b>
<b>4.0 RESULTS . . . . .</b>	<b>45</b>
<b>5.0 DISCUSSION . . . . .</b>	<b>118</b>
<b>6.0 SUMMARY AND CONCLUSION . . . . .</b>	<b>132</b>
<b>8.0 REFERENCES . . . . .</b>	<b>138</b>

**ARABIC SUMMARY**

# *Introduction*

## 1.0 INTRODUCTION

It is known that ruminants constitute one of the major populations among farm animals and they fulfill an important part of the human supply with meat, milk, leather and wool.

In Egypt, large ruminants like cows and buffaloes are considered the main source of animal protein specially milk and meat. Also small ruminants as sheep and goats play an important role for human consumption of animal protein specially in many villages and small cities.

Head affections include eyes, eyelids, horns, ears and mouth lesions which cause pain to the animal patient as well as other body lesions in the skin, udder and teats. The pain and sequelae of these affections were reflected directly on the production of milk, leather and wool. Some stress on the body was also observed by the abdominal, tail, perineal and limb affections. These are hernias, wounds, chronic bloat, papillomatosis, abscess, haematoma, hypospadias, capped elbow, tendovaginitis, fractures and claw affections and abnormalities.

The aim of the present work was to record the most common surgical affections in ruminants in Alexandria and Behera provinces, their causes and how to prevent or minimize the occurrence of these affections. Recent

medicinal treatment and suitable surgical interventions were applied to the body lesions.

Lastly many medical advises were given to the owners of some farms and the farmers of some sporadic cases to dissolve the problem of animal losses in milk, meat and wool yields.

# *Review Of Literature*