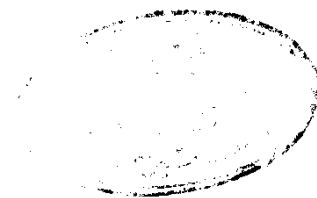
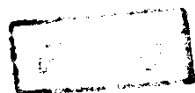


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A Study on Rodents as Zoonotic Reservoirs of Trichinosis in Egypt

*Thesis submitted for Ph.D Degree
in Medical Science*

Parasitology



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S.F

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

”وَمَا أُوتِيتُمْ مِنْ
الْعِلْمِ
إِلَّا قَلِيلٌ“

صَدَقَ اللَّهُ الْعَظِيمُ



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INTRODUCTION

The complete understanding of human parasitic infections is an important goal of parasitologists . This can only be achieved by comprehensive knowledge of the host - parasite relationship .

Zoonoses which are diseases communicable between animal and man represent an important example of the complicated host - parasite relationship .

Trichinosis is a disease caused by the tissue nematode Trichinella spiralis . It is one of the important zoonotic parasitic diseases . It still represents a major public health problem in many parts of the world . Egypt, however, has been considered as trichinosis - free country .

Rodents act as reservoir hosts for many parasitic diseases of medical importance ; including trichinosis.

Lately , studies carried out in Suez Canal Zone has proved the presence of antibodies to Trichinella spiralis in wild rodents (Morsy et al , 1960) .

Accordingly , this work was planned to study the

presence of trichinosis among rodents and man in Egypt . Three serological tests ; the Counter Current Immuno Electro Phoresis (CEP) , the Indirect Immuno Fluorescence (IF) and the Enzyme Linked Immuno Sorbent Assay (ELISA) were used .

Correlation of the findings obtained in humans and rodents could help to evaluate the importance of rodents as reservoir hosts of trichinosis in Egypt .