



شبكة المعلومات الجامعية

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التوثيق الالكتروني والميكرو فيلم





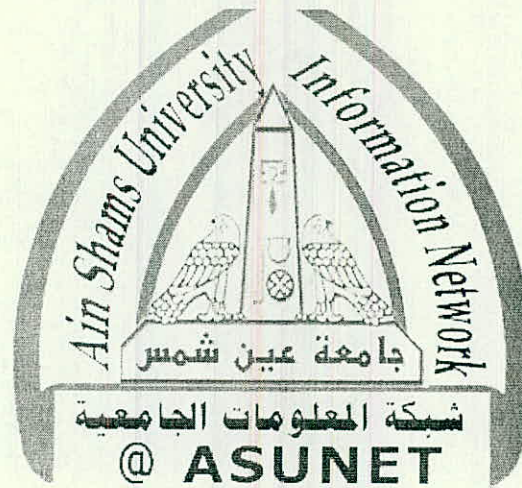
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# جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

## قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
على هذه الأفلام قد اعلنت دون أية تغيرات



## يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

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

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15 – 25c and relative humidity 20-40 %



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# بعض الوثائق الأصلية تالفة





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بالرسالة صفحات

لم ترد بالأصل

**EFFECT  
OF COMBINED IMMUNOTHERAPY AND  
CHEMOTHERAPY ON SUSCEPTIBILITY TO  
*S. MANSONI* INFECTION IN MICE**

**Thesis**

**Submitted in Partial Fulfillment of the Requirement  
for the Degree of Master of Science in Zoology  
(Physiology)**

*By*

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Research Institute

**Ain Shams University  
(1998)**

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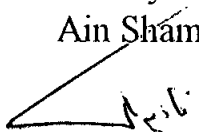
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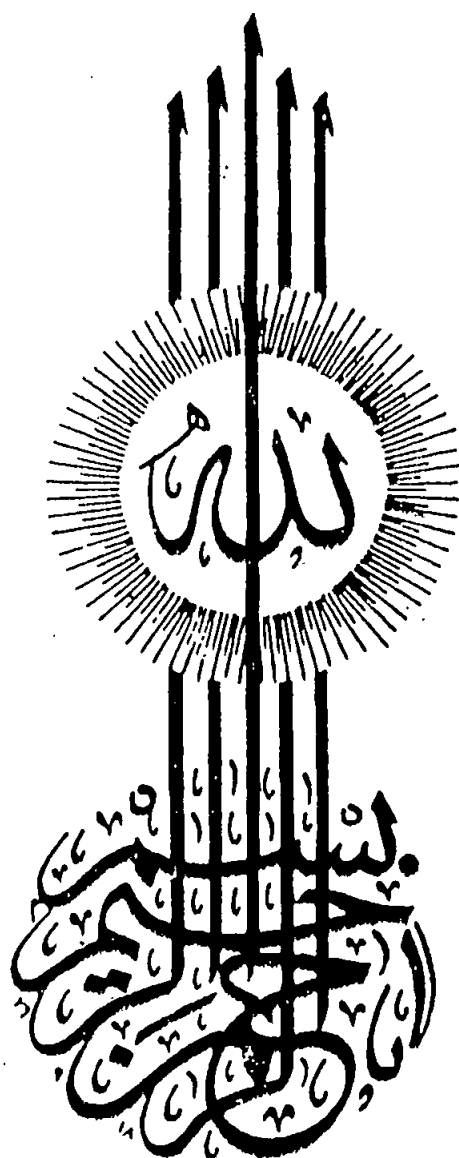
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**Ain Shams University  
(1998)**





**TO  
MY  
FAMILY**



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## ABSTRACT

**Abdel Nasser Abdel Aal Sabra. Effect of Combined Immunotherapy and Chemotherapy on Susceptibility to *S. mansoni* infection in mice .Ain Shams University ,Faculty of Science ,Zoology Department .**

The present study was undertaken to improve the efficacy of PZQ by its combination with rGST26 as antischistosomal vaccine .Single and multiple intravenous injections of rGST26 were given alone 7days before infection or combined with PZQ which was given 8weeks post infection .Four groups of infected controls were given bacterial lyzate in single and multiple administrations ,PZQ and the last one was left as infected untreated .

All animal groups were sacrificed 10&12 weeks post infection and parasitological ,immunological and physiological studies have been performed . Multiple injections of rGST26 alone was shown to have an antifecundity potential ,decreased worm count ,viability of eggs ,granuloma diameter and accelerated ova destruction. Treatment by PZQ alone induced incomplete eradication of worms ,moderate reduction in granuloma diameter ,decreased number of ova /g tissue and normalized of the liver function .Notably ,injection of combined rGST26plus PZQ showed a multiplicity of benefits by acceleration of egg destruction ,increasing the anti GST immunoglobulin G,remarkable reduction of granuloma diameter and egg induced- pathology ,complete eradication of worms ,maximum reduction in number of ova /g tissue and normalization of liver function .





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the most beneficent and merciful of all”**

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