



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





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# شبكة المعلومات الجامعية

## التوثيق الالكتروني والميكرو فيلم

# جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

## قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
علي هذه الأفلام قد اعدت دون أية تغيرات



## يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

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

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



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# بعض الوثائق الأصلية تالفة



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بالرسالة صفحات  
لم ترد بالأصل

AIN SHAMS UNIVERSITY  
INSTITUTE OF POSTGRADUATE  
CHILDHOOD STUDIES  
MEDICAL DEPARTMENT

IMMUNOGLOBULINS PATTERN  
IN CHILDREN SUFFERING  
FROM CROUP

**Thesis**

*Submitted for Partial Fulfillment  
of Ph. D. Degree in  
Paediatrics*

**By**  
**Manal Mohsen**  
*(M.B., B.Ch. & M.Sc.)*

**Under Supervision of**

*Prof. Dr.*  
**Esaad Kallaf**  
*Professor and Chief of  
Paediatric Department at Al-  
Mataria Teaching Hospital*

*Dr.*  
**Eman El-Achmawy**  
*Assistant Professor in  
Paediatrics at the National  
Center for Researches*

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*Lecturer in the Medical Department at the  
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B91191

**FACULTY OF MEDICINE  
AIN-SHAMS UNIVERSITY  
1998**



Ain Shams University  
Institute of postgraduate childhood studies  
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# **Abstract**

This thesis aimed to assess the relation between changes in immunoglobulins concentrations and the croup in children. In addition the relation between the age of the patients and the socioeconomic status with the incidence of croup.

Fifty-three children constituted the material of the study. These children were visiting Mataria Teaching Hospital, between March 1994 and December 1996. Thirty-four children were suffering from croup. Nineteen were healthy children and free from any respiratory tract infections forming the control group. The children age varied from one and half year up to twelve years old. Sex discrimination was not considered as a condition.

History and clinical examinations were done to diagnose croup in children. Serum and salivary samples were taken from the croup children and the control group to determine the level of serum IgA, IgG and IgM and also the level of salivary IgA.

Results of this study showed significant rise of serum immunoglobulins A, G and non-significant rise of serum immunoglobulin M because it is a short lasting immunoglobulin. The rise in serum immunoglobulins A, G and M was age dependent with wide individual variations. Low level of parental education, breast feeding less than 18 months, exposure to smoke fumes and to sudden change in weather were associated with increased incidence of croup.

## **Key Words:**

Paediatrics-Respiratory system-Larynx-Croup-Immunoglobulin.



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**To My Husband  
Daughter and Son**

