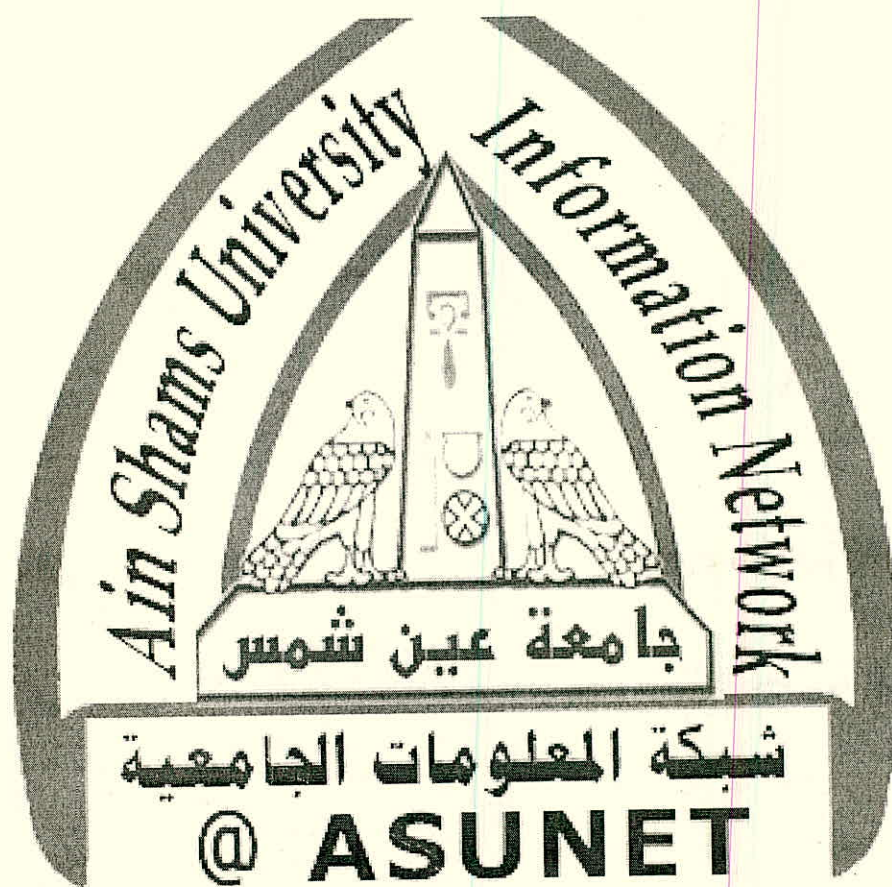




شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





شبكة المعلومات الجامعية



شبكة المعلومات الجامعية

التوثيق الالكتروني والميكرو فيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
على هذه الأفلام قد أعدت 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 %



شبكة المعلومات الجامعية



بالرسالة صفحات

لم ترد بالأصل



شبكة المعلومات الجامعية



بعض الوثائق الأصلية تالفة

**CHANGES IN SERUM LEVEL OF
INTERLEUKIN-6 IN ACUTE HEPATITIS
IN CHILDREN**

Thesis

**Submitted in Partial Fulfillment of
Master Degree In Pediatrics**

By

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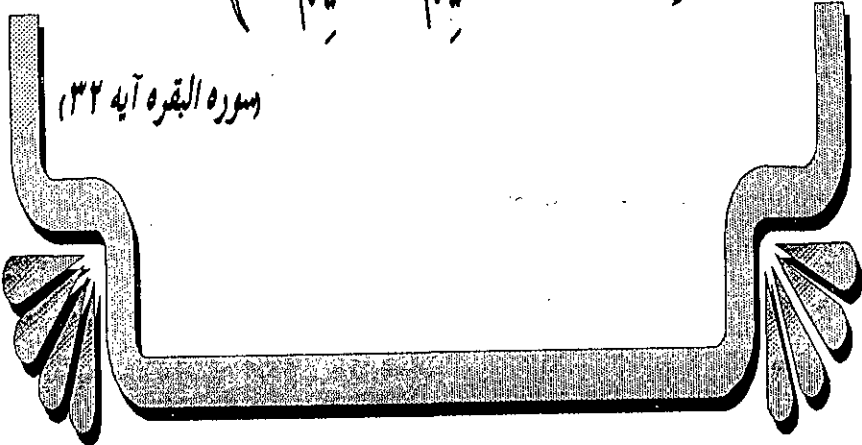


بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ .

﴿ سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا

إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ ﴾

(سوره البقره آیه ۳۲)



To my Mother

To my Father

Engineer Anwer El-Shebly

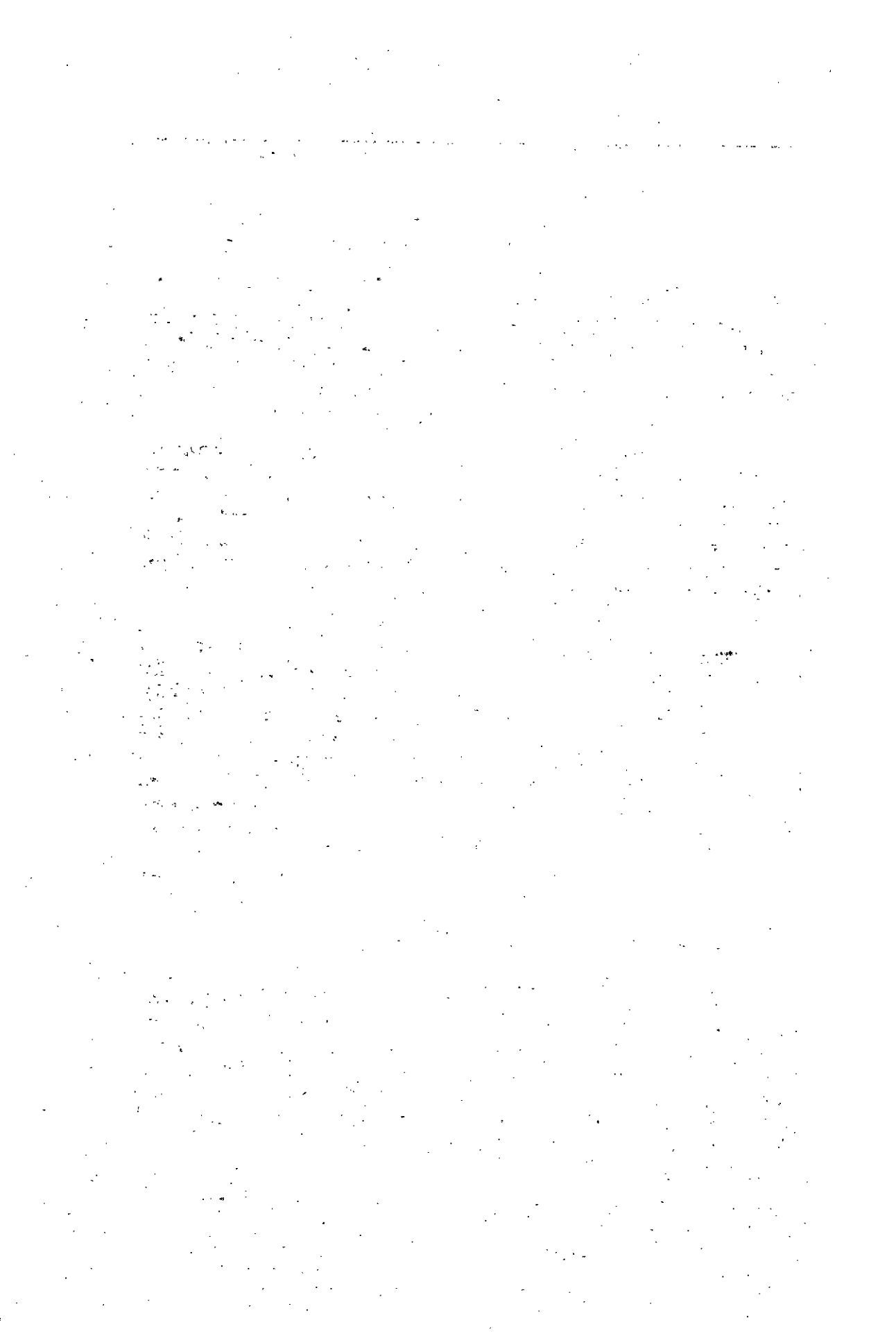
*Who gave too much and
received too little*

To my Husband

Prof. Dr. El-Gohary

*For his great help and his support
throughout my whole life*

To my Daughters



ABSTRACT

Hepatitis is a major health problem worldwide. The viruses of hepatitis A, hepatitis B and other viruses (C, D, E, F, and G) have been identified.

This work has been done to study the changes of serum IL-6 level in acute viral hepatitis among Egyptian children. Forty five children were involved in this study, thirty five patients and ten controls. Thirteen had hepatitis A, 12 had hepatitis B and 10 had hepatitis C. Serum IL-6 levels were measured using an ELISA technique..

This study showed that the serum level of IL-6 in acute viral hepatitis was significantly higher than in the control group. This probably results from hepatic dysfunction, as the liver is the major clearance site for cytokines under normal circumstances. The highest levels of IL-6 were detected in patients with HCV infection. No correlation was detected between biochemical parameters and serum level of IL-6 in acute viral hepatitis. These parameters included parameters of liver injury (AST, ALT, bilirubin), parameters of hepatic synthetic function (serum albumin, prothrombin time), alkaline phosphatase enzyme, and partial thromboplastin time.

This suggests that there is no correlation between the inflammatory nature of the disease and activity of endogenous IL-6 in acute viral hepatitis. Further studies of the activities of cytokines are needed to increase our understanding of the pathophysiological mechanisms of viral diseases of the liver.

ACKNOWLEDGEMENT

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I would also like to express my respect and my gratitude to Dr. **NAHLA MOHAMED ZAKARIA**, Assistant Professor of Clinical Pathology, Ain Shams University for her help that proved to be indispensable for the completion of this work.

I also wish to thank all my patients and their parents for their help.

LIST OF ABBREVIATIONS

AIDS:	Acquired Immunodeficiency Syndrome.
AIDS-KS cell:	AIDS Kaposi's Sarcoma cell.
AIH:	Autoimmune hepatitis.
ALP:	Alkaline phosphatase enzyme.
ALT:	Serum alanine aminotransferase enzyme.
AML:	Acute myelogenous leukemia.
Anti-HBs:	Anti-hepatitis B surface antigen.
AST:	Serum aspartate aminotransferase enzyme.
C3:	Complement component 3.
cAMP:	Cyclic adenosine monophosphate.
CF:	Complement fixation.
CMV:	Cytomegalovirus.
CRP:	C reactive protein.
EBV:	Epstein-Barr Virus.
EIA:	Enzyme immunoassay.
ELAM-1:	Endothelial leukocyte adhesion molecule-1.
ELISA:	Enzyme linked immunosorbent assay.
ESR:	Erythrocyte sedimentation rate.
EGF:	Epidermal growth factor.
FGF:	Fibroblast growth factor.
G (Protein):	Guanine nucleotide binding protein.
HAV:	Hepatitis A virus.
HBe antigen:	An integral part of the core of HB virus.
HBV:	Hepatitis B virus.
HBIG:	Hepatitis B immunoglobulin.
HBcAb:	Hepatitis B core antibody.
HBcAg:	Hepatitis B core antigen.
HBsAg:	Hepatitis B surface antigen.
HCV:	Hepatitis C virus.
HCV-RNA:	Hepatic C virus ribonucleic acid.
HDag:	Hepatitis D antigen.
HDV:	Hepatitis Delta virus.