



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





شبكة المعلومات الجامعية



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 %



شبكة المعلومات الجامعية



بعض الوثائق الأصلية تالفة



شبكة المعلومات الجامعية



بالرسالة صفحات
لم ترد بالأصل

SERUM TNF- α AND IL-2 IN PATIENTS WITH PERSISTENT DIARRHEA VERSUS ACUTE DIARRHEA IN EGYPTIAN INFANTS & CHILDREN

THESIS

Submitted for Partial Fulfillment of
**The M.D. Degree of
PEDIATRICS**

By

Amr Abdel Fattah Mohamed

M.B., B.Ch., M.Sc. Pediatrics

Under Supervision of

Prof.Dr. Gilane Abdel Hamid Osman

Professor & Head of the Pediatric Department

Faculty of Medicine

Ain Shams University

Ass.Prof.Dr. Nashwa Ahmed El Badawi

Assistant Professor of Clinical Pathology

Faculty of Medicine

Ain Shams University

Dr. Moustafa Abdel Aziz El Hodhod

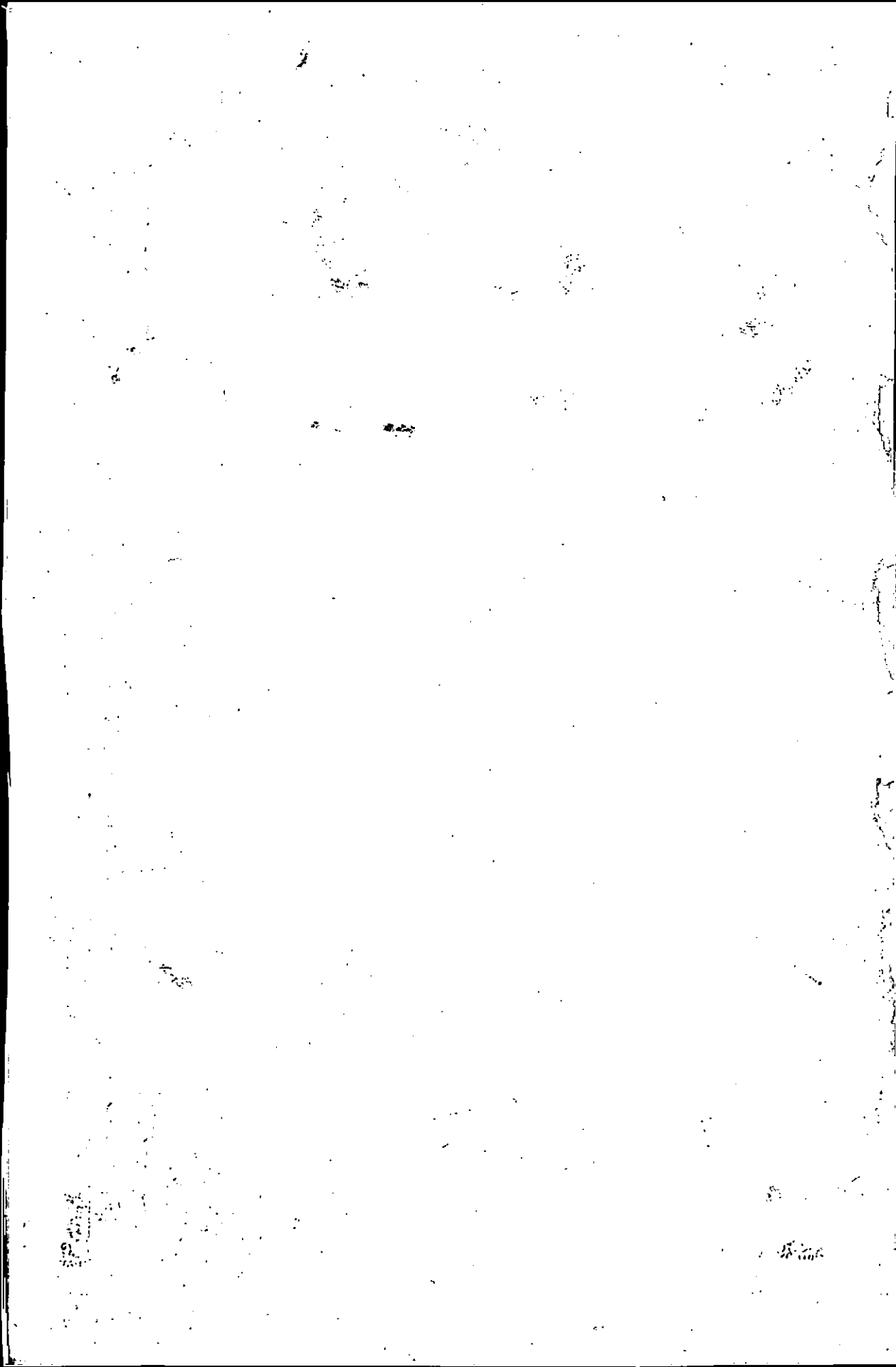
Lecturer of Pediatrics

Faculty of Medicine

Ain Shams University

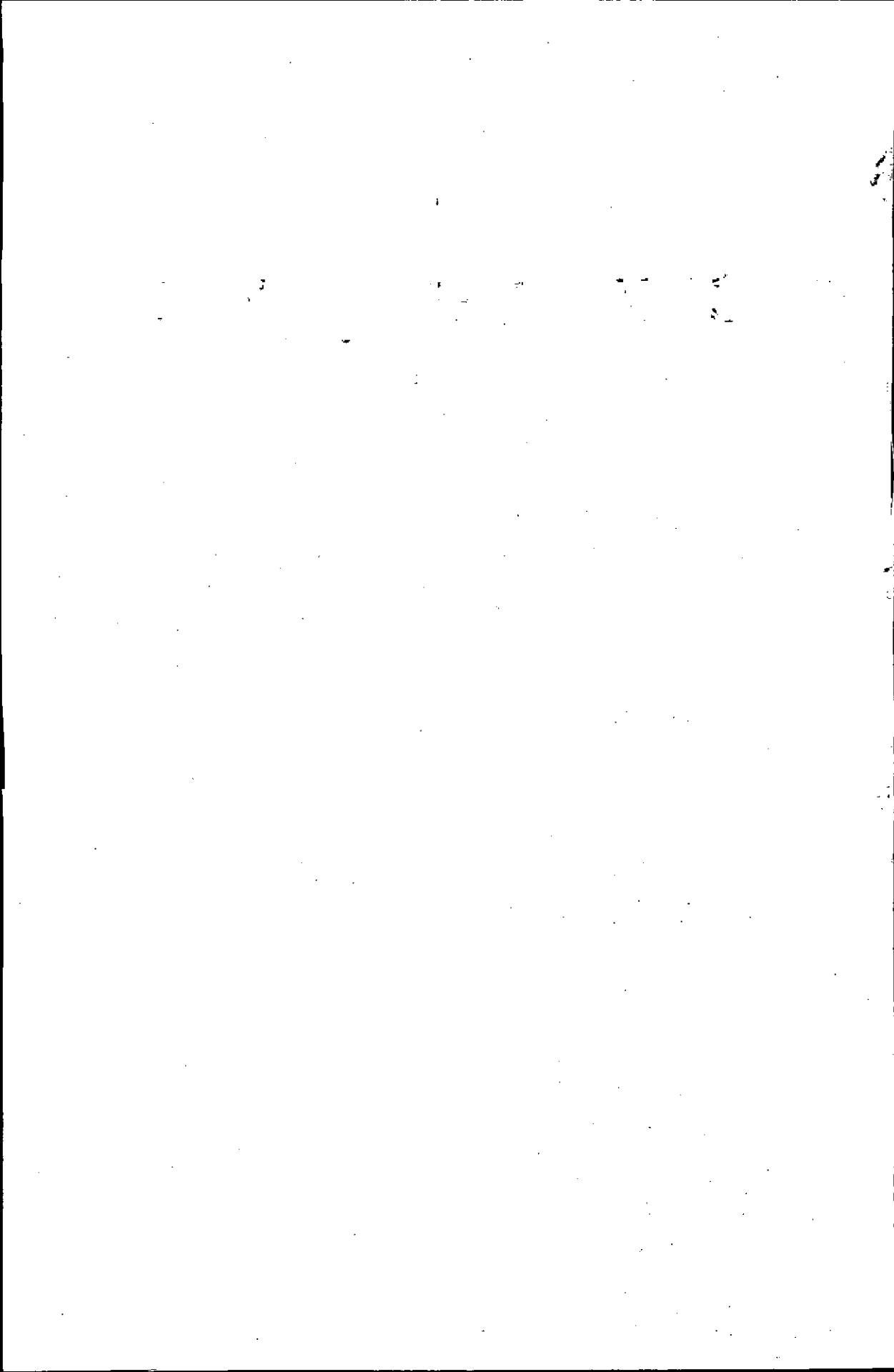
Faculty of Medicine - Ain Shams University

1996





﴿ وَعَلَّمَكَ مَا لَمْ تَكُن تَعْلَمُ
وَكَانَ فَضْلُ اللَّهِ عَلَيْكَ عَظِيمًا ﴾
صدق الله العظيم [النساء ١١٣]



Acknowledgment

I would like to express my sincere gratitude and deepest thanks to Professor Dr. Gilane Abdel Hamid Osman, Professor & Head of the Pediatric Department, Faculty of Medicine, Ain Shams University, to whom I'm greatly indebted for her precious guidance, keen supervision and fruitful criticism without which, this work would have never been completed.

I wish to express my deepest thanks to Dr. Nashwa Ahmed El-Badawi, Assistant Professor of Clinical Pathology, Faculty of Medicine, Ain Shams University, for her valuable advice, constructive supervision and excellent effort during the practical work.

I'm deeply grateful to Dr. Moustafa Abdel Aziz El-Hodhod, Lecturer of Pediatrics, Faculty of Medicine, Ain Shams University, for his continuous and excellent efforts, wise guidance, kind encouragement and continuous close supervision to complete this work.

My thanks are due to my patients and their families without whom this work would have never been conducted.

*To
My Wife ..
and my Children:
Neamat and Ahmed.*

THE UNIVERSITY OF CHICAGO
CHICAGO, ILLINOIS

THE UNIVERSITY OF CHICAGO
CHICAGO, ILLINOIS

INDEX

Part	Contents	Page
I	Introduction and Aim of the work	1
II	Review of Literature:	
	* Acute diarrhea	3
	* Persistent	24
	* Cytokines	68
III	Subjects and Methods	118
IV	Results	126
V	Discussion	150
VI	Summary and Recommendations	163
VII	References	165
VIII	Arabic summary	217

