## TUMOUR NECROSIS FACTOR-ALPHA IN TUBERCULOSIS

#### THESIS

Submitted for Partial Fulfilment of M.Sc. Degree in Pediatrics



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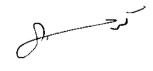
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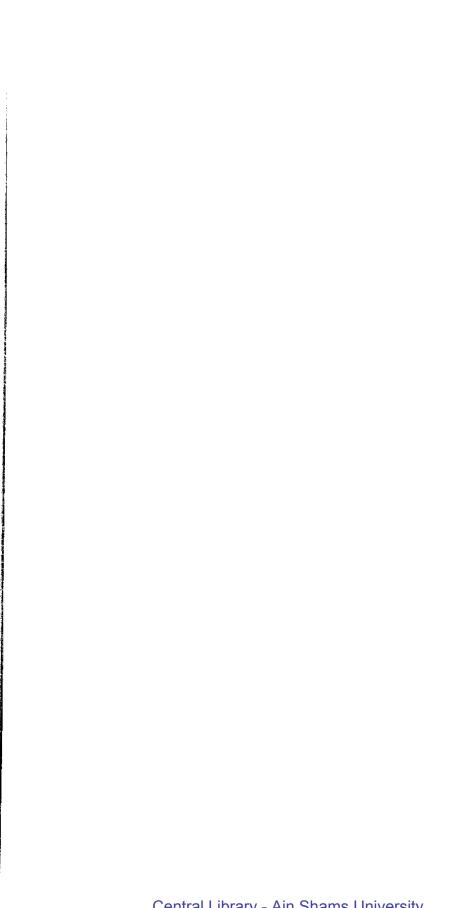
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# TO MY WIFE HEBA AND MY SON PAULA



## **CONTENTS**

Pa	age
List of Abbreviations	
List of Tables	
List of Figures	
Introduction and Aim of the Work	i
Review of Literature	
Tuberculosis in Pediatrics	
Epidemiology of TB	3
Pathophysiology and classification of TB	9
Immunity in TB	-
Clinical picture of TB	8
Diagnosis of TB 2	4
Control and Prevention of TB 4	0
Treatment of TB	13
Tumor necrosis factor- $\alpha$	
Cytokines	54
Discovery of TNF-α	56
Structure and Biochemistry of TNF- $lpha$	56
Biosynthesis of TNF-α	
Distribution and clearance of TNF- $\alpha$	58
TNF- $\alpha$ inducers and producers	
TNF-a receptors	
Biological effects of TNF-α	.67
Role of TNF-α in inflammation	.68
Role of TNF-α in malignancy	.69
December Polos of TMF-0	

	Page
Role of TNF- $lpha$ in T.B	74
Role of TNF- $\alpha$ in pathogenesis of TB	74
Factors affecting the release of TNF- $\alpha \dots$	75
Detection of TNF-α in TB	75
Effects of TNF- $\alpha$ in T.B	76
Modulation of action and protection against	
harmful effect of TNF-a	77
TNF-α in HIV	78
Subjects and Methods	80
Results	92
Discussion	~-
Summary and Conclusion	124
Recommendation	199
References.	190
Arabic Summary	TSR

### - i -LIST OF ABBREVIATIONS

TB Tuberculous

M.T.B. Mycobacterium Tuberculosis

U.S.A. United State of America
CMI Cell mediated immunity
A.M. Alevolar Macrophages

Ab Antibody Ag Antigen

Nk Natural killer
OT Old tuberculin

PPD Purified protein derivative.

KAT Kaolin Aglutination Test

PCR Polymerase chain reaction

INH Isoniazid RIF Rifampicin

M.W. Molecular weight

K.D. Killo Dalton

TNF- $\alpha$  Tumor necrosis factor-alpha TNF- $\beta$  Tumor necrosis factor-Beta

IL-1 Interleukin-1 IL-6 Interlukin-6

GM-CSF Granulocyte macrophage-colony stimulating factor

PAF Platelet activating factor

ZN Ziehl-Neelsen stain

Neutr. Neutrophil lymph. lymphocyte

ESR Erythrocyte sedimentation rate

Hb Haemogolobin
AFB Acid Fast Bacilli

## - ii -LIST OF TABLES

Table	e	Page
No.		r ugc
(1)	Factors causing decreased ability to respond to	
	tuberculin testing	30
(2)	Score chart for children suspected to have	
	tuberculosis	44
(3)	First-line drugs for TB in children	47
(4)	Second-line Drugs for TB. in children	48
(5)	New drugs with anti-T.B. activity	51
(6)	Factors induced by tumor necrosis factor	60
(7)	Biological effects of TNF-α	63
(8)	The Clinical data of the children presented in	
	the study (4 groups)	92
(9)	Resutls of X-ray examination in the 4 groups	93
(10)	Comparison between the mean levels of TB	
	score TNF-α, ESR, Hb%, lymph%, andNeutr%	
	in the control and newly diagnosed active TB	94
(11)	Comparison between the mean levels of TB	
	score TNF-α, EST, Hb%, lymph %, and Neutrs	
	% in the newly diagnosed and chronic active	95
(12)	Comparison between the mean level of TB	
	score, TNF-α SR, Hb%, lymph% and Neutr.%	
	in the newly diagnosed and chronic active	96

	and levels of TB	
(13)	Comparison between the mean levels of TB	
	score, TNF-α, ESR, Hb%, lymph% and Neutr%	
	in the chronic active and inactive groups	97
(14)	Comparison between 4 groups of children	
	recorded in the present sutdy as regards serum	
		98
(15)	Correlation between TB score (golden standard	
	test) and TNF- $\alpha$ for diagnosis of active TB	99
(16)	Correlation beween TB score and ESR for	
(==,	diagnosis of active TB	100
(17)	Correlation between TB score and lymph% for	
<b>\</b> ,	the diagnosis of active TB	101
(18)	Correlation between TB score and tuberculin	
(10)	test as a diagnostic measure for TB	102
(19)	Correlation between TB score and results of	
(20)	smear examination	103
(20)	Correlation between TB score and results of	
(20)	culture on lowenstein media	104
(21)	mpd monulta of	
(21)	culture on BACTEC media	105
(22)	14- of the different	
(22)	bacteriological methods used in the study	. 106
(23)		
(20)	and efficiency of differen tests used for diagnosis	
	of active T.B	
(94)	The library	120
(74	RAW UNIA OF GLOUP I, HOUSE, SOLICE S.	

### - iv -

(25)	Raw data of Group II: Newly diagnosed active		
	TB	121	
(26)	Raw data of group III: chronic persistant active	122	
(27)	Raw data of Group IV: Inactive group	123	

# LIST OF FIGURES

Fig.		Page
No.		_
(1)	Closed plate for M.TB bacilli	6
(2)	According to the score we make the plan for	
	treatment	<b>4</b> 5
(3)	The Biological effects of TNF-α according to	
	the tissue levels	62
(4)	Effects of TNF- $\alpha$ and $\beta$ on Haemopoitic and	
	lymphoid tissues	64
(5)	Effect of TNF- $\alpha$ and $\beta$ on nonlymphoid tissues	65
(6)	Symptoms of TB toxaemia in active and chronic	
	TB patients	108
(7)	Pulmonary symptoms in Newly diagnosed and	
( - /	chronic active TB	109
(8)	The percentage of abnormal chest x-ray finding	
	in tuberculous patients	110
(9)	Graph demonstrate the mean value of TB score	
(0)	among the 4 groups under the study	111
(10)		
(10)	among the 4 groups under the study	. 112
(11)	The second of FSB	
(11)	among the 4 groups under the study	
(10)	the man value of Hh %	
(12)		. 114
	among the 4 groups under the study	. 114

Fig.		
No.		Page
(13)	Graph demonstrate the value of lymph. %	
	among the 4 groups udner the study	115
(14)	Graph demonstrate the mean value of Neutr%	
	among the 4 groups under the study	116
(15)		
	TB for patients under the study	117
(16)	Specificity of different diagnostic measures of	
	tuberculosis for patients under the study	118
(17)	Efficiency of different diagnostic measures of	0
	tuberculosis for patients under the study	119