

بسم الله الرحمن الرحيم



شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



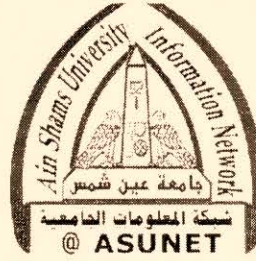
شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

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Circulating Interleukin-16 in Systemic Lupus Erythematosus and Juvenile Rheumatoid Arthritis

Thesis

*Submitted for the partial fulfillment of
the Master Degree in Pediatrics*

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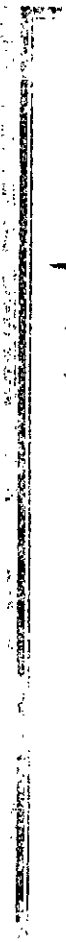
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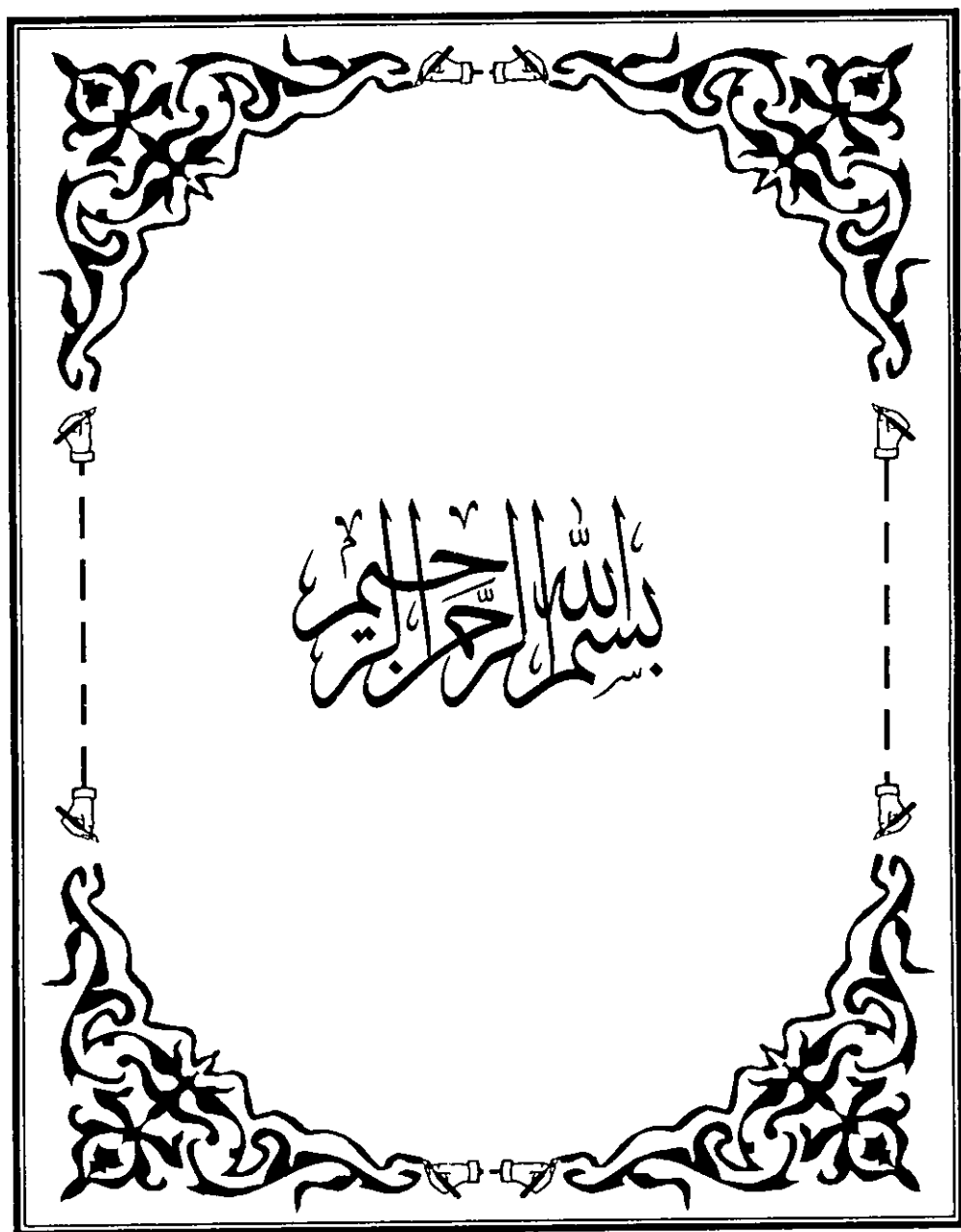
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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



Abstract

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List of Abbreviations

+ve	:	Positive
-ve	:	Negative
ACA	:	Anticardiolipin antibodies
ACR	:	American college of rheumatology
AIDS	:	Acquired immune deficiency syndrome
ANA	:	Antinuclear antibody
Anti-DNP	:	Anti-deoxyribonucleic protein
Anti-RNP	:	Anti-ribonucleic protein
Anti-RP	:	Anti-ribosomal P
Anti-sm	:	Antibodies to smith nuclear antigen
APCS	:	Antigen presenting cells
APF	:	Anti perinuclear factor
ARA	:	American rheumatic association
BAL	:	Broncho alveolar lavage
CI	:	Complement 1
CBC	:	Complete blood count
CD ₄ ⁺	:	Cluster of differentiation antigen no 4
CD ₈ ⁺	:	Cluster of differentiation antigen no 8
CNS	:	Central nervous system
CRP	:	C reactive protein
CT	:	Computerized tomography
DIP	:	Distal interphalangeal joint
DNA	:	Deoxyribonucleic acid
dsDNA	:	double stranded deoxyribonucleic acid
ELISA	:	Enzyme linked immunosorbant assay
Epo	:	Erythropoietin
ESR	:	Erythrocyte sedimentation rate
g/dl	:	gram per deciliter
GM-CSF	:	Granulocyte-monocyte colony stimulating factor
GVHD	:	Graft versus host disease
Hb	:	Hemoglobin
HLA	:	Human leucocytic antigen
IFN	:	Interferon
Ig	:	Immunoglobulin
IL	:	Interleukin

IL-1Ra	:	Interleukin-1 receptor agonist
IL-2R	:	Interleukin 2 receptor
IL-r	:	Interleukin receptor
JRA	:	Juvenile rheumatoid arthritis
KDa	:	Kilo dalton
L	:	Litre
LCF	:	Lymphocyte chemoattractant factor
LE	:	Lupus erythematosus
LOM	:	Limitation of movement
mAbs	:	Monoclonal antibodies
MCP-1	:	Monocyte chemoattractant protein 1
MCSF	:	Monocyte colony stimulating factor
MHC class II	:	Major Histocompatibility complex class II
MHC	:	Major histocompatibility complex
MIF	:	Migration inhibition factor
MLR	:	Mixed lymphocytic reaction
MRI	:	Magnetic resonance imaging
mRNA	:	Messenger ribonucleic acid
MS	:	Morning stiffness
MTX	:	Methotrexate
MWs	:	Molecular weights
n-DNA	:	Native deoxyribonucleic acid
NK	:	Natural killer
NO	:	Nitric oxide
NS	:	Non significant
NSAIDs	:	Nonsteroidal anti inflammatory drugs
PBMC	:	Peripheral blood mononuclear cells
PIP	:	Proximal interphalangeal joint
PKC	:	Protein kinase C
PMNL	:	Polymorphonuclear leukocytes
RANTES	:	Regulated upon activation normal T expressed and presumably secreted
RF	:	Rheumatoid factor
ROS	:	Reactive oxygen species
SAP	:	Serum amyloid protein

SCF	:	Stem cell factor
SD	:	Standard deviation
SF	:	Synovial fluid
SLE	:	Systemic lupus erythematosus
SLEDAI	:	Systemic lupus erythematosus disease activity index
ST	:	Synovial tissue
TCR	:	T cell receptor
TGF β	:	Transforming growth factor β
Th	:	T helper cell
TMJ	:	Temporomandibular joint
TNF	:	Tumor necrosis factor
VDRL	:	Veneral disease research laboratory
UV	:	Ultraviolet
VCAM	:	Vascular cell adhesion molecule
WBC	:	White blood cells

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