

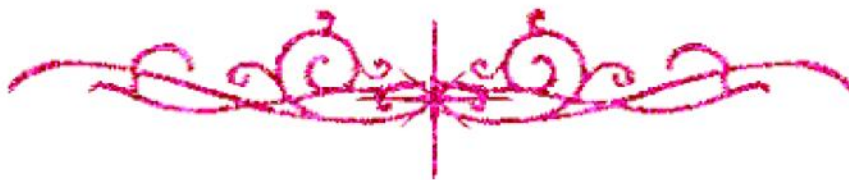
بسم الله الرحمن الرحيم



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شبكة المعلومات الجامعية التوثيق الالكتروني والميكرو فيلم



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جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

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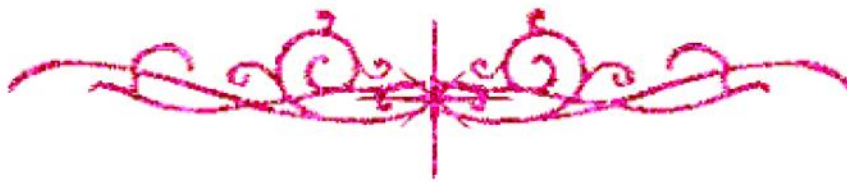
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لم ترد بالأصل



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EFFECT OF ANAESTHESIA ON THE CYTOKINE RESPONSES TO ABDOMINAL SURGERY

THESIS

Submitted for partial fulfillment of the requirement
for the Doctorate Degree in Anaesthesiology

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

وَأَنْزَلَ اللَّهُ عَلَيْكَ الْكِتَابَ وَالْحِكْمَةَ
وَعَلَّمَكَ مَا لَمْ تَكُن تَعْلَمُ وَكَانَ
فَضْلُ اللَّهِ عَلَيْكَ عَظِيمًا

"صدق الله العظيم"

((سورة النساء .. آية ١١٣))

TO

MY PARENTS

TO

***MY WIFE* and**

MY SONS

AHMED & IBRAHIEM

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LIST OF ABBREVIATIONS

ACTH	Adrenocorticotrophic hormone.
AIDS	Acquired immunodeficiency syndrome.
APC	Antigen presenting cells.
ARDS	Acute respiratory distress syndrome.
atp-MgCl₂	Adenosine triphosphate-magnesium chloride.
BM	Bone marrow
CAM	Cell adhesion molecule.
cAMP	Cyclic adenosine monophosphate.
CD	Cluster of differentiation.
cGMP	Cyclic guanosine monophosphate.
Con A	Concavalian A
CPB	Cardiopulmonary bypass.
CRP	C-reactive protein.
CS	Caesarean section.
CSF	Colony stimulating factor.
CTL	Cytotoxic lymphocytes.
EGF	Epidermal growth factor.
ELAM-1	Endothelial leucocyte adhesion molecule-1.
FMLP	Formyl-methionyl-leucyl-phenyl alanine.
FN	Fibronectin.
G-CSF	Granulocyte colony stimulating factor.
GH	Growth hormone.
GTP	Guanidine triphosphate
HIV	Human immunodeficiency virus.

HLADR	Human leucocyte antigen downregulation.
HPA	Hypothalamo-pituitary-adrenal axis.
5-HT	5-Hydroxytryptamine.
ICAM-1	Intercellular adhesion molecule-1.
IgE	Immunoglobulin-E.
IFN-γ	Interferon- γ .
IgG	Immunoglobulin-G.
IGSF	Immunoglobulin superfamily.
IL-2	Interleukin-2
IL-2ra	IL-2 receptor antagonist.
IV	Intravenous.
LAK	Lymphokine-activated cells.
LC	Laparoscopic cholecystectomy.
LCF	Lymphocyte chemoattractant factor.
LCT	Lower chain triglyceride.
LPS	Lipopolysaccharides.
Mabs	Monoclonal antibodies.
MAF	Macrophage activating factor.
MCP-1	Monocyte chemotactic protein-2.
M-CSF	Macrophage colony stimulating factor.
MCT	Medium chain triglyceride.
MHC	Major histocompatibility complex.
MIL-1	Membrane bound interleukin-1.
MIP	Macrophage inflammatory protein.
MLC	Mixed lymphocyte culture.

MPS	Mononuclear phagocyte system.
mRNA	messenger Ribonucleic acid.
NAP	Neutrophil activating peptide.
NF	Nuclear factor.
NGFR	Nerve growth factor receptor.
NK	Natural killer cell.
OC	Open cholecystectomy.
PDGF	Platelet derived growth factor.
PFC	Plaque forming cell.
PgF₂	Prostaglandins E ₂ .
PHA	Phytohaemagglutinin.
RANTES	Regulated activation of normal T-cell expressed and secreted
RNA	Ribonucleic acid.
SIRS	Systemic inflammatory response syndrome.
S-p	Substance-p.
SRBCs	Sheep red blood cells.
TGF-β	Transforming growth factor- β .
T_H cell	T-helper cell.
TNF	Tumour necrosis factor.
TSH	Thyroid stimulating hormone.
VCAM-1	Vascular cell adhesion molecule-1
VIP	Vasoactive intestinal peptide.

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