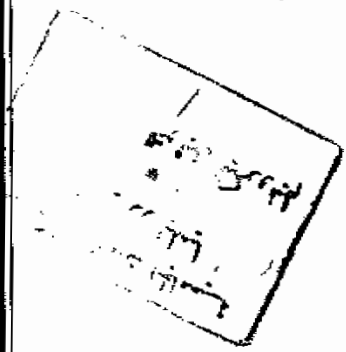


**HEMOPOETIC GROWTH FACTORS
AND
THEIR CLINICAL POTENTIALITIES**

Essay

Submitted in the partial fulfillment for the master degree, M. Sc in
Clinical and Chemical Pathology



Presented by
Mansour Mostafa Mohamed
(M. Sc., Ph. D.)

6/6.7
M. M.

Under the Supervision of

52557

Prof. Dr. Amr Shafat
Assis. Prof. of Clinical and
Chemical Pathology
Faculty of Medicine
Cairo University



Faculty of Medicine
Cairo University
1996

Prof. Dr. Nawal Elhafi
Prof. of Clinical and
Chemical Pathology
Faculty of Medicine
Cairo University

Handwritten signature and date: 20/10/2000

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LIST OF ABBREVIATIONS

Ab	antibody
APC	antigen presenting cells
ACTH	adrenocorticotrophic hormone
ADCC	antibody dependant cellular cytotoxicity
Ag	antigen
ALL	acute lymphatic leukemia
AML	acute myeloblastic leukemia
AMLC	acute myeloblastic leukemia cells
ATG	anti thymocyte globulin
BAF	B - cell activating factor
BCGF	B - cell growth factor
BCSF	B - cell stimulating factor
BFU - E	burst forming unit - erythroid
B . M	bone marrow
BPA	burst promoting activity
C	complement
Ca	calcium
C- AMP	cyclic adenosine mono phosphate
CFU	colony forming unit
CFU - B	colony forming unit - B lymphocyte
CFU - b	colony forming unit - basophil
CFU - E	colony forming unit - erythroid
CFU - Eo	colony forming unit - eosinophil
CFU - GEMM	colony forming unit - granulocytic , erythroid , monocyte , megakaryocytic
CFU - G	colony forming unit - granulocyte
CFU - GM	colony forming unit - granulocyte , macrophage
CFU - MK or (meg)	colony forming unit - megakaryocyte
CFU- S	colony forming unit - stem

CFU - T	colony forming unit - T lymphocyte
CHO	carbohydrate.
CSF	colony stimulating factor
CTL	cytotoxic T cell
cDNA	complementary deoxyribonucleic acid
d.	dalton
EBV	epstein bar virus
ELISA	enzyme linked immunosorbent assay
ESRD	end stage renal disease
EPO	erythropoietin
EPO - R	erythropoietin receptor
F-met - leu - Phe	N formyl - methionyl - leucyl - phenylalanine
FU	flouro uracil
FVA	friend virus anemia
G - CSF	granulocyte - colony stimulating factor
G- CSF R	granulocyte - colony stimulating factor receptor
GM - CSF	granulocyte macrophage - colony stimulating factor
GM - DF	granulocyte - macrophage differentiation factor
Hb	haemoglobin
HCT	hematocrite
Hu (h)	human
HEK	human embryo kidney
HGF	haemopoietic growth factor
HIV	human immuno deficiency virus
HMC	human mast cell
HPP - CFC	high proliferative potential - colony forming cell.
HRF	histamine releasing factor
HRIF	histamine release inhibitory factor
HTLV	human T lymphocyte virus
IFN	Interferon
Ig	Immunoglobulin

IGF	Insulin - like growth factor
IL	Interleukin
IL - 1Rt I	Interleukin - 1 receptor type I
I ^r	iodine radiolabelled
Kb	kilo base
Kd	kilo dalton
KS	Kostman Syndrome
LAF	lymphocyte activating factor
LAK	lymphokine activated killer
LGL	large granular lymphocyte
LPS	lipopolysaccharide
LT	leukotriene
M - CSF	macrophage - colony stimulating factor
MD	myelodysplasia
MK or meg	megakaryocyte
Meg - CSF	megakaryocyte - colony stimulating factor
MHC	major histocompatibility complex
Mo - ab	monoclonal antibody
mRNA	messenger ribo nucleic acid
NBT	nitro blue tetrazolium
NHL	non hodgkins lymphoma
NK	natural killer
PDGF	platelet derived growth factor
PEP	pore forming protein
PG	prostaglandin
PHA	phyto haemagglutinin
PHSC	physiologic stem cell
TCR	T cell mediated antigen receptor complex
TGF	T cell growth factor
TH	T helper
TNF	tumour necrosis factor

TPO	thrombopoietin
TSF	thrombocytopoiesis growth factor
R	receptor
RA	retenoic acid
rh -	recombinant human
SAA	severe aplastic anemia
SC	stem cell
SCF	stem cell factor
Ug	microgram
~	approximately
ttt	treatment
>	larger than

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