



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



شبكة المعلومات الجامعية
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شبكة المعلومات الجامعية التوثيق الالكتروني والميكرو فيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

في درجة حرارة من ١٥-٢٥ مئوية ورطوبة نسبية من ٢٠-٤٠%

To be Kept away from Dust in Dry Cool place of
15-25- c and relative humidity 20-40%

بعض الوثائق الأصلية تالفة

بالرسالة صفحات لم ترد بالاصل

**ACUTE PROMYELOCYTIC LEUKEMIA;
GENETIC DIAGNOSIS AND
MOLECULAR MONITORING**

ESSAY

Submitted for partial fulfillment of
the master degree of clinical and chemical pathology

By

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالُوا سُبْحَانَكَ

لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا

إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ

صدق الله العظيم

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Abeer Attia Saad El-Dien

LIST OF ABBREVIATIONS

α	Alpha
β	Beta
γ	gamma
(1,25(OH) ₂ D ₃)	1,25 Dihydroxy vitamin D ₃
AIDA	ATRA + idarubicin
ALL	Acute lymphocytic leukemia
Allo	Allogenic
AmgL	Acute megakaryoblastic leukemia
AML	Acute myelogenous leukemia
AML-M4Eo	Acute myelomonocytic leukemia with increased marrow eosinophils
AMOL	Acute monocytic leukemia
AMP	Adenosine monophosphate
ANLL	Acute nonlymphoblastic leukemia
APL	Acute promyelocytic leukemia
Ara-C	Cytosine arabinoside / Cytarabine
As ₂ O ₃	Arsenic trioxide
ATRA	All-trans retinoic acid

List of Abbreviations

N-COR	Nuclear receptor corepressor
NFI	Neurofibramin
NPM	Nucleophosphamine
NSE	Nonspecific esterase
NUMA	Nuclear mitotic apparatus protein
p	Short arm of the chromosome
PAI	Plasminogen activator inhibitors
PAS	Periodic acid-Schiff
FCA	Procoagulant
PCD	Programmed cell death
PCR	Polymerase chain reaction
PDGFR β	Platelet derived growth factor receptor β
PIC1	PML interacting clone
PLZF	Promyelocytic leukemia zinc finger
PML	Promyelocytic leukemia
POZ	Pox virus and zinc finger
q	Long arm of the chromosome
RA	Retinoic acid
RARA	Retinoic acid receptor
RAS	Retinoic acid syndrome

List of Abbreviations

bcr	Break point cluster region
BMT	Bone marrow transplantation
CBP	CREB binding protein
CD	Cluster designation
CD437	[6-(3-adamantyl-4-hydroxy phenyl)-2-naphthalene carboxy acid]
CFU-GM	Colony forming unit-granulocyte monocyte
CFU-L	Colony forming unit-leukemia
CML	Chronic myeloid leukemia
CP	Cancer procoagulant
CR	Complete remission
CREB	Cyclic AMP response element binding protein
Del	Deletion
DFS	Disease free survival
DIC	Disseminated intravascular coagulopathy
DNA	Deoxy ribonucleic acid
DNR	Daunorubicin
FAB	French-American-British
FDPs	Fibrin degradation products
FISH	Fluorescence insitu hybridization

List of Abbreviations

FPA	Fibrinopeptide A
G-CSF	Granulocyte colony stimulating factor
GM-CSF	Granulocyte monocyte colony stimulating factor
GPX	Glutathione peroxidase
GST	Glutathione-S-transferase
GVH	Graft-versus-host
HA	Histone acetylase
HAD	Histone deacetylase
HLA	Human leukocytic antigen
Ig	Immunoglobulin
IL-3	Interleukin 3
Iv	Inversion
m RNA	Messenger RNA
M3V	Microgranular acute promyelocytic leukemia variant
McAb	Monoclonal antibodies
M-CSF	Macrophage colony stimulating factor
MDS	Myelodysblastic syndrome
MPO	Myeloperoxidase
NB	Nuclear bodies
NB4	APL cell line
