

LEUKEMOGENESIS

Essay

Submitted for partial fulfillment of Master Degree in
Clinical and Chemical Pathology

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

وقل رب زدني علماً

صدق الله العظيم

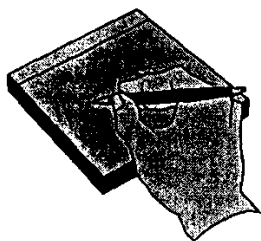
TO DEAR

My Family

My Parents

My Husband

and My Son



Naglaa

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List of Abbreviations

<i>ABL</i>	Abelson murine leukemia virus.
<i>ABV(D)</i>	Doxorubicin, Bleomycin, Vinblastine, and Dacarbazine.
<i>AEV</i>	Avian erythroblastosis virus.
<i>ALAS</i>	Amino-levulinic acid synthetase.
<i>ALL</i>	Acute lymphoblastic leukemia.
<i>AML</i>	Acute myeloblastic leukemia.
<i>AML M₃</i>	Acute promyelocytic leukemia.
<i>AML M₆</i>	Erythroleukemia.
<i>ANLL</i>	Acute non-lymphoblastic leukemia.
<i>ATL</i>	Adult T-cell leukemia.
<i>BCR</i>	Break-point cluster region.
<i>BPV-1</i>	Bovine Papilloma virus type-1.
<i>BT</i>	1,2,4 benztriol.
<i>C-SIS</i>	Simian sarcoma virus.
<i>CAT</i>	Catechol.
<i>CFU</i>	Colony forming unit.
<i>CFU-E</i>	Colony forming unit erythroid.
<i>CLL</i>	Chronic lymphoblastic leukemia.
<i>CMF</i>	Cyclophosphamide, Methotrexate, Fluoruracil.
<i>CML</i>	Chronic myeloid leukemia.
<i>CSF</i>	Colony stimulating factor.
<i>CT</i>	Chemotherapy.
<i>CTCL</i>	Cutaneous T-cell lymphoma.
<i>DIF</i>	Differentiation inducing factor.
<i>DVB</i>	Cisplatin, Vinblastine, Bleomycin.
<i>EBER</i>	Epstein-Barr encoded RNA.

<i>EBV</i>	Epstein-Barr virus.
<i>Epo</i>	Erythropoietin.
<i>Epo-R</i>	Erythropoietin receptor.
<i>F-MuLV</i>	Friend murine leukemia virus.
<i>F-SFFV</i>	Friend spleen focus forming virus.
<i>FAB</i>	French-American-British.
<i>FMS</i>	Feline sarcoma virus.
<i>G-protein</i>	Growth protein.
<i>G₆PD</i>	Glucose-6-phosphate dehydrogenase.
<i>GDP</i>	Guanosine di-phosphate.
<i>gp</i>	Glycoprotein.
<i>GTP</i>	Guanosine triphosphate.
<i>H-RAS</i>	Heavy-murine sarcoma virus.
<i>HD</i>	Hodgkin's disease.
<i>HLA</i>	Human leukocyte antigen.
<i>HPLC</i>	High performance liquid chromatography.
<i>HQ</i>	Hydroquinone.
<i>HTLV-I</i>	Human T-cell lymphotropic virus-I.
<i>IL</i>	Interleukin.
<i>IL-R</i>	Interleukin-receptor.
<i>jak</i>	Janus kinase.
<i>K-RAS</i>	Kristen-murine sarcoma virus.
<i>Kb</i>	Kilobase.
<i>Kd</i>	Kilodalton.
<i>LET</i>	Linear energy transfer.
<i>Lmp-1</i>	Latency membrane protein-1.
<i>LTR</i>	Long terminal repeat.
<i>M-CSF</i>	Macrophage-colony stimulating factor.
<i>mdr</i>	Multi-drug resistance.
<i>MDS</i>	Myelodysplastic syndrome.
<i>MGI</i>	Macrophage and granulocyte inducers.
