



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكروفيلم

بسم الله الرحمن الرحيم



MONA MAGHRABY



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شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

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New Prognostic Indicators in CLL: Relation to Disease Burden

Thesis

*Submitted as Partial Fulfillment of Master Degree
in Clinical and Chemical Pathology*

By

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالَ

سُبْحَانَكَ لَا عِلْمَ لَنَا
إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ
الْعَلِيمُ الْعَظِيمُ

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List of Abbreviations

Abb.	Full term
<i>ALL</i>	<i>Acute Lymphoblastic Leukemia</i>
<i>AT</i>	<i>Ataxia Telangiectasia</i>
<i>ATM</i>	<i>Ataxia Telangiectasia Mutation</i>
<i>ATM</i>	<i>Ataxia Telangiectasia Mutation</i>
<i>B-CLL</i>	<i>B-cell Chronic Lymphocytic Leukemia</i>
<i>bFGF</i>	<i>Basic Fibroblast Growth Factor</i>
<i>BIRC3</i>	<i>Baculoviral IAP repeat-containing protein 3</i>
<i>BLM</i>	<i>Bloom Syndrome Protein</i>
<i>BLNK</i>	<i>B-cell linker protein</i>
<i>BTK</i>	<i>Bruton's tyrosine kinase</i>
<i>Ca</i>	<i>Calcium</i>
<i>CdA</i>	<i>2-chloro-2'-Deoxyadenosine</i>
<i>CGC</i>	<i>Conventional G-Banding Cytogenetics</i>
<i>CGC</i>	<i>Conventional G-Banding Cytogenetics</i>
<i>CK</i>	<i>Complex Karyotypes</i>
<i>CLL</i>	<i>Chronic Lymphocytic Leukemia</i>
<i>DAG</i>	<i>Diacylglycerol</i>
<i>DDR</i>	<i>DNA-Damage Response</i>
<i>DLBCL</i>	<i>Diffuse Large B-cell Lymphoma</i>
<i>DLBCL</i>	<i>Diffuse Large B-Cell Lymphoma</i>
<i>EFS</i>	<i>Event Free Survival</i>
<i>FAB</i>	<i>French American British</i>
<i>FBS</i>	<i>Fetal Bovine Serum</i>
<i>FCM</i>	<i>Flow Cytometric Analysis</i>
<i>FCM</i>	<i>Flow Cytometry</i>
<i>FISH</i>	<i>Fluorescence in Situ Hybridization</i>
<i>FISH</i>	<i>Fluorescence in Situ Hybridization</i>
<i>HCL</i>	<i>Hairy Cell Leukemia</i>
<i>HCV</i>	<i>Hepatitis Virus</i>
<i>HLA</i>	<i>Human Leukocyte Antigen</i>
<i>Hp53</i>	<i>Human p53 Protein</i>
<i>HSCT</i>	<i>Hematopoietic Stem Cell Transplantation</i>
<i>IgH</i>	<i>Immunoglobulin heavy chain</i>

List of Abbreviations cont...

Abb.	Full term
<i>IGHV UM</i>	<i>Immunoglobulin heavy chain variable unmuted</i>
<i>IGHV</i>	<i>Immunoglobulin Receptor Heavy Chain</i>
<i>IgL</i>	<i>Immunoglobulin light chain</i>
<i>IgVH</i>	<i>Immunoglobulin Variable-Region Heavy Chain</i>
<i>IKK</i>	<i>Inhibitor of NF-κB kinase</i>
<i>IL-4</i>	<i>Interleukin-4</i>
<i>IP3</i>	<i>Inositol-1,4,5-trisphosphate</i>
<i>IWCLL</i>	<i>International Working Group on CLL</i>
<i>IWCLL</i>	<i>International Workshop on CLL</i>
<i>LDH</i>	<i>Lactate Dehydrogenase</i>
<i>LDT</i>	<i>Lymphocyte Doubling Time</i>
<i>MBL</i>	<i>Monoclonal B lymphocytosis</i>
<i>MCL</i>	<i>Mantle Cell Lymphoma</i>
<i>MDM2</i>	<i>Murine Double Minute Protein</i>
<i>MDR</i>	<i>Minimal Deleted Region</i>
<i>MYD88</i>	<i>Myeloid differentiation primary response 88</i>
<i>MZL</i>	<i>Marginal Zone B-Cell Lymphoma</i>
<i>NES</i>	<i>Nuclear Export Signal</i>
<i>NFKBIE</i>	<i>Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor</i>
<i>NGS</i>	<i>Next Generation Sequencing</i>
<i>NHL</i>	<i>Non-Hodgkin's Lymphomas</i>
<i>NK</i>	<i>Natural Killer</i>
<i>NLS</i>	<i>Nuclear Localization Signals</i>
<i>OS</i>	<i>Overall Survival</i>
<i>PFS</i>	<i>Progression Free Survival</i>
<i>PFS</i>	<i>Progression-Free Survival</i>
<i>PI-3-K</i>	<i>Phosphatidylinositol 3-Kinase</i>
<i>PIP2</i>	<i>Phosphatidylinositol-4,5-bisphosphate</i>
<i>PIP3</i>	<i>Phosphatidylinositol-3,4,5-triphosphate</i>
<i>PKC</i>	<i>Protein kinase C</i>

List of Abbreviations cont...

Abb.	Full term
<i>PLC</i>	<i>Phospholipase C.</i>
<i>PP2A</i>	<i>Protein Phosphatase 2A</i>
<i>RPA</i>	<i>Robotic Process Automation</i>
<i>sCD23</i>	<i>Soluble CD23</i>
<i>SCT</i>	<i>Stem Cell Transplantation</i>
<i>sICAM</i>	<i>Soluble Intracellular Adhesion Molecule</i>
<i>SLL</i>	<i>Small Lymphocytic Lymphoma</i>
<i>TdT</i>	<i>Terminal Deoxy Nucleotidyl Transferase</i>
<i>TGF-β</i>	<i>Transforming Growth Factor-β</i>
<i>TK</i>	<i>Thymidine Kinase</i>
<i>TK</i>	<i>Thymidine Kinase</i>
<i>TTFT</i>	<i>Time to first treatment</i>
<i>VEGF</i>	<i>Vascular Endothelial Growth Factor</i>
<i>VLA</i>	<i>Very Late Antigen</i>
<i>WHO</i>	<i>World Health Organization</i>
<i>WM</i>	<i>Waldenström Macroglobulinemia</i>
<i>ZAP-70</i>	<i>Zeta-Associated Protein 70</i>
<i>β2-MG</i>	<i>β2-Microglobulin</i>
<i>β-CLL</i>	<i>β-Chronic Lymphocytic Leukemia</i>