

A Comparison between the Role of Bone Marrow Biopsy, Bone Marrow Aspirate and Immunophenotyping in Chronic B-cell Neoplasms

Thesis

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List of Abbreviations

ABC:	Activated B-cell–like
aCLL:	Atypical Chronic Lymphocytic Leukemia
AIDS:	Acquired immune deficiency syndrome
ALK:	Anaplastic lymphoma kinase
ALL:	Acute Lymphoblastic Leukemia
AML:	Acute Myeloid Leukemia
ANXA¹:	Annexin A ¹
APAAP:	Alkaline Phosphatase-Antialkaline Phosphatase
ATM:	Ataxia-telangiectasia mutated gene
Bcl:	B-cell lymphoma
B-CLPDs:	B-cell Chronic Lymphoproliferative Disorders
bFGF:	basic fibroblast growth factor
BL:	Burkitt lymphoma
BM:	Bone Marrow
BMA:	Bone marrow aspirate
BMB:	Bone marrow biopsy
B-PLL:	B-Prolymphocytic Leukemia
CBC:	Complete Blood Count
CCND¹:	Cyclin D ¹
CD:	Cluster of Differentiation
CDK:	Cyclin dependent kinase
CHOP:	Cyclophosphamide, Hydroxydaunorubicin, Oncovin and Prednisone or prednisolone

cIg:	Cytoplasmic Immunoglobulin
CLL/PLL:	Chronic Lymphocytic Leukemia/ Prolymphocytic
CLL/SLL:	Chronic Lymphocytic Leukemia/Small
CLL:	Chronic Lymphocytic Leukemia
CLLU¹:	Chronic Lymphocytic Leukemia upregulated gene ¹
CT:	Computed tomographic
Cy D¹:	Cyclin D ¹
DAB:	Diaminobenzidine
Del:	Deletion
DLBCL:	Diffuse Large B-Cell Lymphoma
DNA:	Deoxyribonucleic acid
EBMWG:	European Bone Marrow Working Group
EBV:	Epstein Bar Virus
EDTA:	Ethylene diamine tetracetic acid
EMZL:	Extranodal Marginal Zone Lymphoma
ESR:	Erythrocyte sedimentation rate
FCM:	Flow Cytometry
FISH:	Fluorescence In-Situ Hybridization
FITC:	Fluorescein Isothiocyanate
FL:	Follicular Lymphoma
FOXP¹:	Forkhead box P ¹
GCB:	Germinal center B-cell–like
H&E:	Hematoxylin and eosin
Hb:	Hemoglobin
HCL:	Hairy Cell Leukemia

HIER:	Heat-induced epitope retrieval
HLA:	Human Leucocytic Antigen
HMB:	Human Melanoma Black.
HPF:	High Power Field
HRP:	Horse Radish Peroxidase
Ig:	Immunoglobulin
IgH:	Immunoglobulin Heavy chain
IgVH:	Immunoglobulin Variable Heavy chain
IHC:	Immunohistochemistry
IPI:	International Prognostic Index
IPT:	Immunophenotyping
κ:	Kappa
Kd:	Kilo Dalton
λ:	Lambda
L&H:	Lymphocyte and Histiocyte
LDH:	Lactate Dehydrogenase enzyme
LPDs:	Lymphoproliferative Disorders
LPL:	Lymphoplasmacytic Lymphoma
LSAB:	Labeled Streptavidin-Biotin
MALT:	Mucosa–Associated Lymphoid Tissue
MCL:	Mantle Cell Lymphoma
MDR:	Multidrug resistance
MDS:	Myelodysplastic Syndromes
MFI:	Median Fluorescence Intensity
MGUS:	Monoclonal Gammopathy of Undetermined Significance

MM:	Multiple Myeloma
MoAb:	Monoclonal Antibody
MZL:	Marginal Zone Lymphoma
NHL:	Non Hodgkin Lymphoma
p:	Short arm of the chromosome
PAP:	Peroxidase-Antiperoxidase
PAS:	Periodic acid Schiff
PAX:	Paired homeobox
PB:	Peripheral Blood
PBS:	Phosphate Buffered Saline
PCM:	Plasma Cell Myeloma
PCN:	Plasma Cell Neoplasms
PCR:	Polymerase Chain Reaction
q:	Long arm of the chromosome
RbI:	Retinoblastoma I gene
REAL:	Revised European American Lymphoma
RNA:	Ribo Nucleic Acid
SD:	Standard deviation
SLL:	Small Lymphocytic Lymphoma
SLVL:	Splenic Lymphoma with circulating Villous Lymphocytes
SmIg	Surface Membrane Immunoglobulin
SMZL:	Splenic Marginal Zone Lymphoma
t:	Translocation
TdT:	Terminal Deoxynucleotidyl Transferase
TIA-γ:	T-cell Intercellular Antigen- γ

TLC:	Total Leucocytic Count
TNF:	Tumor Necrosis Factor
VEGFR:	Vascular endothelial growth factor receptor
WHO:	World Health Organization
WM:	Waldenström Macroglobulinemia
ZAP-γ:	Zeta Associated Protein- γ

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