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MOLECULAR BIOLOGY IN CLASSIFICATION AND ASSESSMENT OF THERAPY IN ADULT AGGRESSIVE NON-HODGKIN'S LYMPHOMA

Thesis

Submitted in partial fulfillment of M.D. degree in Radiotherapy and Nuclear Medicine

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List of abbreviations

AIDS Acquired Immune Deficiency Syndrome

AML Acute Myelogenous Leukemia

ATP Adenosine Triphosphate Phosphate

BCBL Body Cavity Based Lymphoma

BCNU Bis-Chloroethyl Nitroso Urea

BMT Bone Marrow Transplantation

BL Burkitt's Lymphoma

B-SA Biotin-Streptavidin

CALLA Common Acute Lymphocytic Leukemia Antigen

CD Cluster of Disignation

CML Chronic Myeloid Leukemia

CLL Chronic Lymphoid Leukemia

CR Complete Remission

CSF Collagen Stimulating Factor

CT Computerized Tomography

CY Cyclophosphamide

DFS Disease Free Survival

DLCL Diffuse Large Cell Lymphoma

DML Diffuse Mixed Lymphoma

EALT Entropathy Associated T-cell Lymphoma

EBV Epstein-Barr Virus

ECOG Eastern Clinical Oncology Group

EMA Epithelial Membrane Antigen

FCC Follicular Center Cell

FFR Freedom From Relapse

GSH Glutathione

GVHD Graft Versus Host Disease

HD Hodgkin's Disease

HHV Human Herpes Virus

HIV Human Immunodeficiency Virus

HLA Human Leukocyte Antigen

HTLV IIuman T-cell Leukemia/Lymphoma Virus

IFRT Involved Field Irradiation

ILSG International Lymphoma Study Group

IPI International Prognostic Index

IPSID Immunoproliferative Small Intestinal Disease

IV Intravenous

LDH Lactic Dehydrogenase

LGL Large Granular Lymphocytic Leukemia

LHR Lymphocyte Homing Receptor

MALT Mucosa-Associated Lymphoid Tissue

MDR Multiple Drug Resistance

MDS Myelodysplastic Syndrome

ML Malignant Lymphoma

MRI Magnetic Resonance Imaging

MRP Multidrug Resistance-associated Proteins

NCAM Neural Cell Adhesion Molecule

NCI National Cancer Institute

NHL Non-Hodgkin's Lymphoma

NL Nasal T-cell Lymphoma

NML Nodular Mixed Lymphoma

OS Overall Survival

PBS Phosphate Bufferd Saline

PBSC Peripheral Blood Stem Cell Transplantation

PCR Polymerase Chain Reaction

PD Progressive Disease

PDI. Poorly Differentiated Lymphoma

PEL Primary Extranodal Lymphoma

Pgp P- glycoprotein

PLL Polydifferentiated lymphocytic lymphoma

PMH Princess Margaret Hospital

PR Partial Remission

PTCL Peripheral T-cell Lymphoma

REAL Revised European American Lymphoma

SD Stable Disease

SEER Surviellance, Epidemiology and End Results

SIL-2R Soluble Interleukin-2 Receptor

SPF S-Phase Fraction

SWOG Southwest Oncology Group

TBI Total Body Irradiation

T-TIL T-cell Tumor Infilterating Lymphocyte

UHBI Upper Half Body Irradiation

VNTR Variable Number of Tandem Repeats

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