Multicentre Study of HCV Status in Egyptian Patients with B-Cell Non-Hodgkin's Lymphoma with Assessment of Patients' Immunological State

Thesis

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وأنزل الله عليك
الكتاب والحكمة
وعلَّمَكَ مَا لَمْ تَكُن
تَعْلَمُ وكَانَ فَضْلُ اللَّهِ
عَلَيْكَ عَظِيماً
صدق الله العظيم
سورة النساء الآية (١١٣)

*First and above all thanks to **ALLAH**.*

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Salma Salah El-Din Youssef

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List of Abbreviations

AASLD ..... American Association for the Study of Liver Diseases

AMPL ..... Amplification

ARFP ..... Alternate reading frame protein

AVT ..... Anti viral therapy

BOC ..... Boceprevir

CHC ..... Chronic hepatitis C infection

CHOP ..... Cyclophosphamide / Doxorubicin / Vincristine / Prednisolone

CLL ..... Chronic lymphocytic leukemia

CMIA ..... Chemiluminescent microparticulate immunoassay

CONJ ..... Conjugate

CS ..... Cryoglobulinemic syndrome

CTRL ..... Control

DAAs ..... Direct acting antivirals

DFS ..... Disease free survival

DLBCL ..... Diffuse large B-cell lymphoma

EBV ..... Epstien Barr Virus

EIA ..... Enzyme immunoassay

EMCV ..... Encephalomyoconditis Virus

FGT ..... Female genital tract

FL ..... Follicular lymphoma

GC ..... Germinal centre

List of Abbreviations Cont…

GIT ..... Gastrointestinal tract

HAV ..... Hepatitis A Virus

HBV ..... Hepatitis B Virus

HCC ..... Hepatocellular carcinoma

HCV – E2 ..... HCV envelope glycoprotein

HCV ..... Hepatitis C Virus

HCV cc ..... cell-cultured HCV

HIV ..... Human immunodeficiency virus

HTLV – 1 ..... Human T-cell lymphoma Virus – 1

IgHC ..... Immunoglobulin heavy chain

IGHV ..... Immunoglobulin heavy chain variable region

Igs ..... Immunoglobulins

IL 2 ..... Interleukin 2

IND ..... Investigational new drug

IRES ..... International ribosomal entry site

Irf – 1 ..... interferon regulatory factor – 1

KDa ..... Kilo Dalton

LDH ..... Lactate dehydrogenase

LIA ..... Line immunoassay

LiPA ..... Line Probe Assay

LPD ..... lymphoproliferative disorders

LPL ..... Lymphoplasmacytic lymphoma

List of Abbreviations Cont…

MALT ..... Mucosa associated lymphoid tissue

MC ..... Mixed cryoglobulinemia

MGPs ..... Magnetic glass particles

MGUS ..... Monoclonal gammopathy of undetermined significance

MLV ..... Murine leukemia virus

MZL ..... Marginal zone lymphoma

NAAT ..... Nucleic acid amplification test

NHL ..... Non Hodjkin lymphoma

NIH ..... National Institute of Health

NMZL ..... Nodal marginal zone lymphoma

NTP ..... Nucleoside triphosphate

OPD ..... O – Phenylenediamine

OS ..... Overall survival

OTC ..... Over the counter

PAS ..... Periodic acid shef

PAT ..... Parentral antischistosomal therapy

PCR ..... Polymerase Chain Reaction

Peg-IFN ..... Pegylated interferon

PFS ..... Progression free survival

PIRR ..... Pegylated interferon / Ribavirin / Rituximab

Rbv ..... Ribavirin

RF ..... Rheumatoid factor

List of Abbreviations Cont…

RIBA ..... Recombinent immunoblot assay

RT ..... Reverse Transcriptase

RTX ..... Rituximab

SMZL ..... Splenic marginal zone lymphoma

SOF ..... Sofosbuvir

SOP ..... Standard Operating Procedure

SVR ..... Sustained virologic response

TNAIK ..... Total Nucleic Acid Isolation Kit

TVR ..... Telaprevir

U.S ..... United States

ULN ..... Upper limit of normal

UTR ..... Untranslated Region

WM ..... Waldenstrom macroglobulinemia

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WHO Classification of Lymphoid Neoplasms (2017)

WHO Classification of the Mature B-Cell, T-Cell, and NK-Cell Neoplasms

Mature B-Cell Neoplasms

- Chronic lymphocytic leukemia/small lymphocytic lymphoma
- Monoclonal B-cell lymphocytosis
- B-cell prolymphocytic leukemia
- Splenic marginal zone lymphoma
- Hairy cell leukemia
- *Splenic lymphoma/leukemia, unclassifiable* Splenic diffuse red pulp small B-cell lymphoma* Hairy cell leukemia-variant**
- Lymphoplasmacytic lymphoma Waldenström's macroglobulinemia
- Monoclonal gammopathy of undetermined significance (MGUS), IgM
- Mu heavy chain disease
- Gamma heavy chain disease
- Alpha heavy chain disease
- Monoclonal gammopathy of undetermined significance (MGUS), IgG/A
- Plasma cell myeloma

* Provisional entities are listed in italics

- Solitary plasmacytoma of bone
- Extraosseous plasmacytoma
- Monoclonal immunoglobulin deposition diseases
- Extranodal marginal zone lymphoma of mucosa-associated lymphoid tissue (MALT type)
- Nodal marginal zone lymphoma *Pediatric nodal marginal zone lymphoma**
- Follicular lymphoma

In situ follicular neoplasia Duodenal-type follicular lymphoma

- Pediatric-type follicular lymphoma
- *Large B-cell lymphoma with IRF4 rearrangement*
- Primary cutaneous follicle center lymphoma
- Mantle cell lymphoma

In situ mantle cell neoplasia

- Diffuse large B-cell lymphoma (DLBCL), NOS Germinal center B-cell type

Activated B-cell type

- T-cell/histiocyte-rich large B-cell lymphoma
- Primary DLBCL of the central nervous system (CNS)
- Primary cutaneous DLBCL, leg type
- EBV-positive DLBCL, NOS
- *EBV*-positive *mucocutaneous ulcer**
- DLBCL associated with chronic inflammation

* Provisional entities are listed in italics