شبكة المعلومات الجامعية

التوثيق الإلكتروني والميكروفيلم

بسم الله الرحمن الرحيم

HANAA ALY

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

HANAA ALY

شبكة المعلومات الجامعية

التوثيق الإلكتروني والميكروفيلم

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات

يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار

HANAA ALY

Role of PET/CT in initial evaluation of lymphoma patients.

Protocol of a thesis for partial fulfillment of MD degree in radiology

Presented by

Manar Mohamed Naguib Elsaeed

Assistant Lecturer of radiology.

Faculty of medicine-Ain-shams university

Supervised by

Prof. Dr. Samer Malak Botros

Professor of Radiology

Radio-diagnosis department-Ain-shams university

Dr. Amir Louis Louka

Lecturer of Radiology

Radio-diagnosis Department-Ain-shams university

Dr. Rasha Salah El-din Hussein

Lecturer of Radiology

Radio-diagnosis Department-Ain-shams University

Faculty of Medicine

Ain Shams University

2022

Contents

List of Abbreviations

Abbreviation	
PET	Positron emission tomography
ENL	Extra-nodal lymphoma
FDG	Flouro-deoxyglucose
CECT	Contrast enhanced computed tomography
GLUTs	Glucose transporters
PDGF	Platelet derived growth factor
VEGF	Vascular endothelial growth factor
BFGF	Basic fibroblast growth factor
SUV	Standardized uptake value
BAT	Brown adipose tissue
ROIs	Regions of interest
IASLC	International Association for the Study of Lung Cancer
WHO	World Health Organization
DLBCL	Diffuse large B-cell lymphoma
NHL	Non-Hodgkin lymphoma
FL	Follicular lymphoma
MALT	Mucosa associated lymphoid tissue
MCL	Mantle cell lymphoma
HD	Hodgkin Disease
HL	Hodgkin lymphoma
TNM	Tumor Node Metastasis
NK	Natural killer
Mev	Milli electron volt
Kev	Kilo electron volt
HU	Housefield unit
Mci	millicurie
MZL	Marginal zone lymphoma
IFRT	Involved field radiotherapy
μ map	Attenuation map

SUV	Standardized Uptake Value
MTV	Metabolic tumor volume
TLG	Total lesion glycolysis
CMR	complete metabolic response
PMR	partial metabolic response
SMD	stable metabolic disease
PMD	progressive metabolic disease
IQR	interquartile range
PPV	Positive predictive values.
NPV	Negative predictive values.
AUC	Area under curves.
NCCN-IPI	National cancer Network International Prognostic Index

List of figure

LIST OF TABLES