## **Table of Contents**

Thesis Contents	
Thesis Contents	Daga
	Page No.
الآية الكريمة	110.
	II
Dedication	11
Dedication	III
Asknowladgement	111
Acknowledgement	IV
Abstract	V
Abstract	v
ملخص الدر اسة	VI
	V I
Table of Contents	
	VII
List of Tables	X
	Δ
List of Figures	XI
	211
Chapter One (Introduction)	1
	•
Introduction	2
	-
Problem of the Study	3
	U
Objective of the Study	3
Over view of the study	4
	1

Chapter Two (Literature Review)		
Anatomy of the Liver		
Physiology of the Liver		
Pathology of the Liver		
Computed Tomography		
Previous Studies		
Chapter Three (Methodology)	41	
Materials		
Methods		
Image Interpretation	43	
Statistical Analysis		
Chapter Four (Results)		
Results		
Chapter Five (Discussion, Conclusion & Recommendation)	54	
Discussion		
Conclusion		

Recommendation	57
References	58
Appendices	
Data Collection Sheet	

## **LIST OF TABLES**

Table No.	Table Description	Page No.
Table 4.1	Statistical parameters of the age for all patient	44
Table 4.2	Frequency distribution for the age group	44
Table 4.3	Frequency distribution for gender	45
Table 4.4	Frequency distribution of the liver disease	46
Table 4.5	Frequency distribution for the site	47
Table 4.6	Frequency distribution for type of disease	47
Table 4.7	Correlation between gender and the site	48
Table 4.8	Correlation between gender and type of disease	49
Table 4.9	Correlation between age group and disease	50
Table 4.10	Correlation between age group and site	51
Table 4.11	Correlation between age group and type of disease	51

## **List of Figures**

Figure No.	Figure description	Page No
Figure (2-1)	Segmental of liver (E Harlod 2006)	8
Figure (2-2)	Segmental of liver (E Harlod 2006)	8
Figure (2-3)	Liver segment on cross sectional imaging	9
Figure (2-4)	Common hepatic artery and superior mesenteric artery and splenic artery (Soler et al 2001)	11
Figure (2-5)	IVC portal vein, superior mesenteric vein and splenic vein (Soler et al 2001)	11
Figure (2-6)	Bile duct, hepatic duct, common bile duct (Soler et al 2001)	12
Figure (2-7)	HCC CT (chan et. al 2014)	16
Figure (2-8)	Hemangioma CT venous enhancement (chan et. al 2014)	19
Figure (2-9)	Hemangioma MRI (chan et. al 2014)	19

<b>Figure (2-10)</b>	CT metastasis (chan et. al 2014)	20
	CT metastasis (enan et. al 2014)	20
Figure (2-11)	Computed axial tomographer computer assisted tomography (CAT)	21
Figure (2-12)	CT compound	30
Figure (2-13)	CT Gantry control panel	30
Figure (4-1)	Frequency distribution for the age group	45
Figure (4-2)	Frequency distribution for gender	45
Figure (4-3)	Frequency distribution of the liver disease	46
Figure (4-4)	Frequency distribution for the site	47
Figure (4-5)	Frequency distribution for type of disease	48
Figure (4-6)	Correlation between gender and the site	49