



**The Diagnostic Accuracy of Un-Enhanced
Breast MRI (STIR, T2W-TSE and DWIBS)
Compared To Contrast Enhanced MRI In
Detection And Characterization Of Suspicious
Breast Lesions**

Thesis

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالَ

سَبَّحَانَكَ لَا أَعْلَمُ لَنَا
إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ
الْعَلِيمُ الْعَظِيمُ

صدق الله العظيم

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List of Contents

Title	Page No.
List of Abbreviations	i
List of Tables	iii
List of Figures	iv
Introduction	1
Aim of the Work	4
Review of Literature	
Embryology.....	5
Anatomy of the Breast.....	9
Pathology of the Breast Masses	37
Radiological manifestations of Suspicious Breast Lesions	66
Patients and Methods	118
Results	125
Illustrative Cases.....	136
Discussion	154
Summary and Conclusion	162
References	164
Arabic Summary	—

List of Abbreviations

Abb.	Full term
ACR	American College of Radiology
ADC	Apparent diffusion co-efficient
AEH	Atypical epithelial hyperplasia
AJCC	American Joint Committee for Cancer
BI-RADS®	The Breast Imaging Reporting and Data System
CC	Craniocaudal
DCE-MRI.....	Dynamic contrast enhanced MRI
DCIS	Ductal Carcinoma Insitu
DWI	Diffusion weighted imaging
DWIBS.....	Diffusion weighted imaging with back-ground suppression
ER.....	Estrogen receptor
FN.....	False negative
FNA	Fine needle Aspiration
FP	False positive
HRT	Hormone replacement therapy
IBC.....	Inflammatory breast cancer
ILC.....	Invasive lobular carcinoma
IQR	Interquartile range
IVCM	Intravoxel coherent motion
IVIM	Intravoxel incoherent motion
LCIS.....	Lobular Carcinoma Insitu
MC	Medullary carcinoma
MIP	Maximum intensity projection
MLO.....	Mediolateral oblique

List of Abbreviations Cont...

Abb.	Full term
MPR.....	Multiple planar reformatting
NAC	Nipple-areola complex
NMEL.....	Non-mass enhancing lesions
NPV	Negative predictive value
NST.....	No Special Type
PAS	Periodic Acid Schiff staining
PPV	Positive predictive value
ROI	Region of interest
SD	Standard deviation
SNR	Signal-to-noise ratio
STIR.....	Short T1 Inversion Recovery
T1WI.....	T1-weighted image
T2WI.....	T2-weighted image
TDLU.....	Terminal Ductal-Lobular Units
TN.....	True negative
TP	True positive
VR.....	Volume rendering

List of Tables

Table No.	Title	Page No.
Table (1):	American Joint Committee on Cancer Definition of Primary Tumor (T)—Clinical (cT) and Pathological (pT).....	63
Table (2):	American Joint Committee on Cancer Definition of Regional Lymph Nodes—Clinical (cN) and Pathological (pN).....	63
Table (3):	American Joint Committee on Cancer Definition of Distant Metastasis (M).	64
Table (4):	Categories for distant metastases—clinical and pathological (CM0, CM1, PM1):	64
Table (5):	Showing the relation between the signal intensity on T2Wi's and histopathology.	126
Table (6):	Comparison between benign and malignant cases according to pathological results regarding DCE and the time/signal intensity curve of the benign and malignant lesions.	128
Table (7):	Shows the sensitivity, specificity, PPV, NPV and accuracy of DCE-MRI in characterization of the benign and malignant breast lesions.....	131
Table (8):	Comparison between benign and malignant cases according to pathological results regarding DWIBS and its ADC value:	132
Table (9):	Diagnostic accuracy of DWIBS results in differentiation between benign and malignant cases by pathology.....	135
Table (10):	Summarizes and compares the sensitivity, specificity, PPV, NPV and efficacy of DWIBS and DCE sequences in the detection and characterization of different breast lesions.	135

List of Figures

Fig. No.	Title	Page No.
Fig. (1):	Represents the milk lines during embryological development.....	6
Fig. (2):	Stages of breast development.....	8
Fig. (3):	Anatomy of the breast.....	11
Fig. (4):	Arterial blood supply of the breast.....	16
Fig. (5):	Represents axillary lymphnodes.....	21
Fig. (6):	Craniocaudal views of mammograms of different patients showing ACR BI-RADS categories of breast density.....	24
Fig. (7):	Skin retraction and thickening in external quadrants of the right breast, secondary to post-surgical changes	25
Fig. (8):	a. Normal nipple. b. Retracted nipple without pathology. Mammography CC view.....	26
Fig. (9):	Secondary retraction of the nipple due to a retro areolar irregular nodule, corresponding to an infiltrating carcinoma diagnosis.....	26
Fig. (10):	MRI Breast phase-array multichannel coil.....	28
Fig. (11):	Patterns of breast density (T2 TSE MRI).....	30
Fig. (12):	Illustration of the different types of kinetic curves from DCE MRI.	31
Fig. (13):	Normal lymph nodes. T2 TSE and STIR MRI	33
Fig. (14):	Fibrocystic disease showing typical ductal hyperplasia.....	39
Fig. (15):	Atypical ductal hyperplasia.....	43

List of Figures Cont...

Fig. No.	Title	Page No.
Fig. (16):	Fibroadenoma	46
Fig. (17):	Papilloma	48
Fig. (18):	Lobular carcinoma in situ (LCIS) develops in a milk-producing gland (lobule) and does not spread into nearby breast tissue	54
Fig. (19):	Ductal carcinoma in situ, or DCIS, is a noninvasive condition in which abnormal cells are found in the lining of a breast duct.	55
Fig. (20):	Mucinous carcinoma	58
Fig. (21):	Describe margins of breast lesions.....	71
Fig. (22):	Notice the distortion of the normal breast architecture on oblique view (yellow circle) and magnification view.....	72
Fig. (23):	Here an example of a focal asymmetry seen on MLO and CC-view.....	73
Fig. (24):	Morphology of calcifications of suspicious morphology	74
Fig. (25):	Morphology of calcifications of suspicious morphology	75
Fig. (26):	Distribution of calcifications.....	76
Fig. (27):	BIRADS assessment categories	79
Fig. (28):	a: a non-palpable sharply defined mass with a group of punctate calcifications	81
Fig. (29):	Mass with irregular shape, Spiculated margin, High density	84

List of Figures Cont...

Fig. No.	Title	Page No.
Fig. (30):	Internal echo pattern of masses on ultrasound.....	88
Fig. (31):	Intraductal calcifications (arrow)	89
Fig. (32):	MR images: a T2. b STIR. c DCE-MRI post-contrast. d DCE-MRI subtraction images.....	97
Fig. (33):	Precontrast axial view T1-weighted images; (Right) contrast-enhanced subtraction images	99
Fig. (34):	Pulse-sequence diagram of a diffusion-weighted spin-echo sequence based on a Stejskal-Tanner encoding scheme	102
Fig. (35):	Example breast images obtained with DWI.....	104
Fig. (36):	The degree of background diffusion signals on DW MRI	106
Fig. (37):	Sagittal image from dynamic contrast-enhanced MRI.....	107
Fig. (38):	Transverse STIR (A), T2-weighted TSE (B), DWIBS (C) and CE-THRIVE (D) sequences from a 56-year-old patient affected by invasive ductal carcinoma	115
Fig. (39):	Transverse STIR (A), T2-weighted TSE (B), DWIBS (C) and CE-THRIVE (D) sequences from a 34-year-old patient affected by fibro-adenoma	116
Fig. (40):	Images in breast cancer screening participant with a suspicious lesion (arrow) at screening mammography	117

List of Figures Cont...

Fig. No.	Title	Page No.
Fig. (41):	SM BIRADS of the studied patients.....	125
Fig. (42):	Percentage of benign and malignant cases by histo-pathology	126
Fig. (43):	Illustrates the classification of detected lesions based on the morphology features and the enhancement patterns of DCE-MRI.....	129
Fig. (44):	Illustration of the time/signal intensity curve of the benign and malignant lesions.....	129
Fig. (45):	Comparison between benign and malignant cases regarding results of DCE.	130
Fig. (46):	Comparison between benign and malignant cases regarding DWIBS.	133
Fig. (47):	Illustration of the relation-ship between restriction on DWIBS images and histo-pathology.....	133
Fig. (48):	Receiver operating characteristic curve (ROC) for ADC value to differentiate between benign and malignant cases by pathology.....	134
Fig. (49):	A) Axial T1 image, B) axial T2 image: left breast mass shows low signal intensity.....	136
Fig. (50):	A) Axial post contrast fat suppressed sequence: Left breast mass is irregular in shape and shows heterogeneous enhancement. B) kinetic curve shows rapid initial rise and delayed phase washout in keeping with type III kinetic curve.	137

List of Figures Cont...

Fig. No.	Title	Page No.
Fig. (51):	A) DWIBS sequence and B) post processing ADC map showing restricted diffusion of the left breast mass. ADC value was $1.1 \times 10^{-3} \text{mm}^2/\text{s}$ indicating malignancy.	137
Fig. (52):	A) Axial T1 image, right breast mass shows low signal intensity. B) axial T2 image, mass shows intermediate signal intensity and C) mass shows intermediate signal intensity.	138
Fig. (53):	A): Axial post contrast fat suppressed sequence: right breast mass is irregular in shape and shows heterogeneous peripheral enhancement. B) kinetic curve shows rapid initial rise and persistent plateau in delayed phase in keeping with type II kinetic curve.	139
Fig. (54):	A) DWIBS sequence and B) post processing ADC map showing restricted diffusion of the right breast mass. ADC value was $0.5-0.9 \times 10^{-3} \text{mm}^2/\text{s}$ indicating malignancy.	139
Fig. (55):	A) Axial T2 image, B) axial STIR image: right breast mass shows heterogeneous signal intensity with perilesional edema.	140
Fig. (56):	A) Axial post contrast fat suppressed sequence: right breast mass is irregular in shape and shows heterogeneous peripheral enhancement. B) kinetic curve shows rapid initial rise and persistent plateau in delayed phase in keeping with type II kinetic curve.	141

List of Figures Cont...

Fig. No.	Title	Page No.
Fig. (57):	A) DWIBS sequence and B) post processing ADC map showing peripheral restricted diffusion of the right breast mass. ADC value was $0.7 \times 10^{-3}\text{mm}^2/\text{s}$ indicating malignancy.	141
Fig. (58):	A) Axial T1 image, B) axial T2 image and C) axial STIR image showing left breast skin thickening and edema with no definite masses detected.....	142
Fig. (59):	A) Axial post contrast fat suppressed sequence: left breast mass patchy non mass enhancement. B) kinetic curve shows rapid initial rise and persistent plateau in delayed phase in keeping with type II kinetic curve.....	143
Fig. (60):	A) DWIBS sequence and B) post processing ADC map showing foci of restricted diffusion of the left breast. ADC value was $1.06 \times 10^{-3}\text{mm}^2/\text{s}$ indicating malignancy.	143
Fig. (61):	A) Axial T1 image, left breast mass shows low signal intensity. B) axial T2 image, mass shows low signal intensity and C) mass shows intermediate signal intensity.....	144
Fig. (62):	A) Axial post contrast fat suppressed sequence: left breast mass is irregular in shape and shows heterogeneous enhancement. B) kinetic curve shows rapid initial rise and persistent plateau in delayed phase in keeping with type II kinetic curve.....	145

List of Figures Cont...

Fig. No.	Title	Page No.
Fig. (63):	A) DWIBS sequence and B) post processing ADC map showing restricted diffusion of the left breast mass. ADC value was $0.8 \times 10^{-3} \text{mm}^2/\text{s}$ indicating malignancy.....	145
Fig. (64):	A) Axial T1 image, left breast mass shows low signal intensity. B) axial T2 image, mass shows intermediate signal intensity. C) mass shows intermediate signal intensity.	146
Fig. (65):	A) Axial post contrast fat suppressed sequence: left breast mass shows heterogeneous enhancement. B) kinetic curve shows rapid initial rise and persistent plateau in delayed phase in keeping with type II kinetic curve.....	147
Fig. (66):	DWIBS sequence shows no diffusion restriction.	147
Fig. (67):	A) Axial T1 image, right breast mass shows low signal intensity. B) axial T2 image, mass shows intermediate signal intensity. C) mass shows intermediate signal intensity.	148
Fig. (68):	A) Axial post contrast fat suppressed sequence: right breast mass shows homogenous enhancement. B) kinetic curve shows persistent continuous enhancement in post contrast study.	149
Fig. (69):	A) DWIBS sequence and B) post processing ADC map showing restricted diffusion of the right breast mass. ADC value was $0.6 \times 10^{-3} \text{mm}^2/\text{s}$ indicating malignancy.....	149