

الآية الكريمة

﴿ اِقْرَأْ بِاسْمِ رَبِّكَ الَّذِي خَلَقَ ۝ خَلَقَ الْإِنْسَانَ مِنْ عَلَقٍ ۝ اِقْرَأْ وَرَبُّكَ الْأَكْرَمُ ۝ الَّذِي عَلَّمَ بِالْقَلَمِ ۝ عَلَّمَ الْإِنْسَانَ مَا لَمْ يَعْلَمْ ﴾

صدق الله العظيم

سورة العلق الآيات من (1-5)

Abstract

This study is concern about Characterization of breast Mass using digital mammography while digital mammography and biopsy is the most important imaging modalities techniques which allow us to evaluate the types of normal breast masses or abnormal by the variation of mammography, in this conduct the study try to the mammography reveals the cysts from solid masses, and between benign and malignant solid breast masses, And does mammography allow detecting early breast cancer.

The material of this conduct by using a scientific questionnaire and the sample of this study consisted of 64 with female patient ,duration of the study This an analytical, case controlled study, which consisted of female clinical breast symptoms and abnormal mammogram cases Adult Female patient evaluate clinical breast symptoms The variable of the study will be consisted of: age, gender, weight, height, BMI, patient family history and sonographic features for benign and malignant solid masses.

The data were analyzed using Excel and hologic selenia, has brought out a totally new facet in mammography breast imaging Harmonic imaging leads to improved resolution and reduced reverberation and near-field artifacts. Real-time compound scanning results in increased tissue contrast resolution Extended or panoramic views provide a better perspective of the lesion in relation to the rest of the breast.

المستخلص

الهدف من هذه الدراسة هو توصيف اورام الثدي باستخدام التصوير الاشعاعي الرقمي للثدي حيث يعتبر التصوير الاشعاعي اهم الاساليب التي تسمح لنا بتقييم انواع كتل او اوام الثدي السرطانية او الاورام الحميدة، كما انه يتميز بخاصية الكشف المبكر عن سرطان الثدي.

تمت هذه الدراسة باستخدام استبيان علمي و كانت عينة الدراسة مكونة من 64 مريضة شعرو باعراض مختلفة و الام في منطقة الصدر و كانت متغيرات الدراسة : العمر و الطول و الوزن و تاريخ عائلة المريض بالنسبة للاورام و نتيجة الفحص الاشعاعي من حيث طبيعة الورم خبيث او حميد .

تم تحليل البيانات باستخدام مايكروسوفت اوفيس و سيلينا الهولوجية حيث ان الدراسة اظهرت وجها جديدا كليا في تحسين قرار الطبيب و تحسين كبير في شكل الصور و تعديلها و التخلص من كل اشكال الضوضاء في الصور، كما انه يتميز في اظهار تباين جيد للانسجة مع اعطاء صور بانورامية لكل الثدي.

Dedication

I dedicate this thesis to my husband who support me to finish this effort

To my Mam she is blessing me by her continuous prayers.

To my Children for nursing me with affections and love and their

dedicated partnership for success in my life.

To my friends whom enlightened me throughout my journey in this

study help me to continue.

<<<I dedicate this work to them >>>

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List of content

Title		Page No
الإبارة		I
Abstract		II
Abstract (Arabic)		III
Dedication		V
Acknowledgement		IV
List of Contents		VI
List of tables		VIII
List of figures		IX
List of Abbreviation		XI
Chapter one Introduction		
1.1	Introduction	1
1.2	The Problem of the Study	2
1.3	Objective of the study	3
1.3.1	General objective	3
1.3.2	Specific objective	3
1.4	Important of the study	4
1.5	Over view of the study	4
Chapter two Literature reviews		
2.1.1	Anatomy	5
2.1.2	PathoPhysiology	6
2.1.3	Breast tumor diagnosi	8
2.1.4	Breast density	9
2.1.5	Summary of BI-RADS asesment	9

2.1.6	Treatment of BIRADS	10
2.1.7	Characterization of breast masses	11
2.7.1.2	Diagnosis of x-ray mamography	12
2.7.1.3	Interpretation of mamogram	13
2.7.1.4	Modern imaging in breast cancer	15
2.7.1.5	Breast cancer staging	16
2.7.1.6	x-ray mammogram	18
2.7.1.7	Screening x-ray mammogram	19
2.7.1.8	Benign breast condition	22
2.7.1.9	Magnetic Resonance and Computed Tomography	31
2.7.1.10	Nuclear medicine and other modality screening	37
2.2	Previous study	41
Chapter three Material and method		
3.1.1	Designs of the study	44
3.1.2	Population of the study	44
3.1.3	Sample and type of the study	45
3.1.4	Duration and place of the study	45
3.1.5	Technique of data collection	45
3.2	Method	45
3.2.1	Variables of Study	45
Chapter four Results		
4.1	Results	46
Chapter five Discussion, conclusion & recommendations		
5.1	Discussion	52
5.2	Conclusion	53

5.3	Recommendations	54
5.4	References	55

List of tables

Table	Content	Pag.No
4.1	Age Groups and Frequency	46
4.2	The Shape, Frequency and Percentage	47
4.3	The Margin	49
4.4	The Calcification	50
4.5	Appearance of the Lymph	51

List of Figure

figure	Content	Pag.No
1.1	adopted from Schonberg MA, Ramanan RA, McCarthy EP, Marcantonio ER.	2
2.1	Anatomy of the breast adopted	5
2.2	Image from a mammogram shows a benign mass: a fibroadenoma with well-defined edges and a halo sign	18
2.3	Image from a mammogram shows a benign mass: a fibroadenoma with well-defined edges and a halo sign	18
2.4	Traumatic fat necrosis	19
2.5	Mammographic spot image during a ductogram shows contrast (white) within the catheter and branching ductal system.	25
2.6	An ultrasound of a benign breast mass with circumscribed margins and oval shape; in this case, the mass is a fibroadenoma	26
2.7	Ultrasound shows a suspicious hypoechoic mass with angular margins; in this case, the mass is an invasive ductal carcinoma	27
2.8	Ultrasound shows an anechoic cyst with smooth margins and enhanced through transmission. This is benign and does not need any imaging follow-up.	28

2.9	There is a large cyst in the right breast. The cancer in the left breast is isointense to normal tissue and very difficult to see.	30
2.10	Same patient as in previous image: T1-weighted image with fat suppression after contrast clearly shows the posterior cancer invading the pectoralis major on the left	30
4.1	Age, Frequency and Percentage	46
4.2	illustrate the Shape relations with frequency and the percentage (around,around and oval ,ill defined,oval, peculated,tubal,welldefined,total).	48
4.3	show margin with frequency and percentage data	49
4.4	illustrate the frequency and valid result which is taken in to the values.	50
4.5	illustrate the Appearance of the Lymph enlargement according to the frequency and valid percent.	51

List of the Abbreviations

BI-RADS	columnar alteration with prominent special snouts and secretions
MRIUSE	Magnetic Resonaznce imaging
USG	Ultra sonogram
CAT	Computerized axial tomography (scan)
CT	Chemotherapy
NSR	Non Significant result
IBC	Inflammatory Brest cancer
6- MP	6-Mercaptopurine (anti cancer drug)
6-TG	6-Thioguanine (zanti cancer drug)
AA	Anaplastic Anaemiaz
ABC	Advanced Breast Cancer
ABMT	Autologous bone marrow transplant
ADR	Adverse Drug Reaction
AE	Adverse event
AFP	Alphafetoprotein - eg. expressed by germ cell tumours and other cancers
AIDS	Acquired immune deficiency syndrome
ALAT	Alanine aminotransferase / alinine transaminase
ALCL	Anaplastic Large-cell Lymphoma
ALL	Acute lymphoblastic leukaemia
ALT	Alanine Aminotransferase

AMKL	acute megakaryocytic leukemia
AML	Acute Myeloid leukaemia
ANC	Absolute neutrophil count
ANED	Alive no evidence of disease
ANLL	Acute non-lymphatic leukaemia
ARMS	Alveolar rhabdomyosarcoma
ASR	Age Standardised Rate (Incidence)
AUC	Area under the curve
B-ALL	cell Acute Lymphoblastic Leukaemia
BAER	Brainstem Auditory Evoked Response
BCC	Basal Cell Carcinoma
BM	Bone Marrow
BM	Blood Monitoring (eg for glucose)
BMJ	British Medical Journal
BMR	Basal Metabolic Rate
BMT	Bone Marrow Transplant
BNF	British National Formulary
BP	Blood pressure
BRM	Biological Response Modifier
BSA	Body Surface Area
BSE	Breast Self Examination