



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكرو فيلم

بسم الله الرحمن الرحيم



HANAA ALY



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شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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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



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Role of Contrast Enhanced Spectral Mammography after Conserving Breast Surgery

Thesis

*Submitted for Partial Fulfillment of MD Degree
In Radiodiagnosis*

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بسم الله الرحمن الرحيم

قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا
إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ
الْعَلِيمُ الْحَكِيمُ

صدق الله العظيم

Dedication

*To the soul of my father
(May Allah Almighty bless him),
Who always offered me unconditional
love & support*

*To my soulmate, my Mom
To my backbone, my dear Husband
To my little angels, Nour & Jana*

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List of Abbreviations

Abb.	Full term
BCT	<i>Breast Conserving Therapy</i>
BI-RADS	<i>Breast Imaging Reporting and Data System</i>
CBS	<i>Conserving Breast Surgery</i>
CC	<i>Craniocaudal</i>
CESM	<i>Contrast - Enhanced Spectral Mammograph</i>
CT	<i>Computed Tomography</i>
DCIS	<i>Ductal Carcinoma in Situ</i>
ER	<i>Estrogen Receptor</i>
FNAC	<i>Fine Needle Aspiration Cytology</i>
G	<i>Grade</i>
Gd	<i>Gadopentetate Dimeglumine</i>
HER2	<i>Human Epidermal Growth Factor Receptor 2</i>
IDC	<i>Invasive Ductal Carcinoma</i>
ILC	<i>Invasive Lobular Carcinoma</i>
IV	<i>Intra-Venous</i>
KeV	<i>Kilo Electron Volt</i>
KVp	<i>Peak kilo Voltage</i>
LCIS	<i>Lobular Carcinoma in Situ</i>
LR	<i>Local Recurrence</i>
MG	<i>Mammography</i>
MIP	<i>Maximum Intensity Projection</i>
MLO	<i>Medio-Lateral Oblique</i>
mm	<i>Millimeter</i>
Mo	<i>Molybdenum</i>
MRI	<i>Magnetic Resonance Imaging</i>
MRM	<i>Modified Radical Mastectomy</i>
NAC	<i>Nipple-Areola Complex</i>

List of Abbreviations (Cont...)

Abb.	Full term
<i>NCI</i>	<i>National Cancer Institute</i>
<i>NPV</i>	<i>Negative Predictive Value</i>
<i>NST</i>	<i>Invasive Carcinoma of No Special type</i>
<i>PPV</i>	<i>Positive Predictive value</i>
<i>PR</i>	<i>Progesterone Receptor</i>
<i>Rh</i>	<i>Rhodium</i>
<i>ROLL</i>	<i>Radio-Guided Occult Lesion Localization</i>
<i>SLN</i>	<i>Sentinel Lymph Node</i>
<i>SSM</i>	<i>Skin Sparing Mastectomy</i>
<i>TB</i>	<i>Tuberculosis</i>
<i>TDLUS</i>	<i>Terminal Duct Lobular Units</i>
<i>TNM</i>	<i>Tumor, Nodes, Metastases</i>
<i>UIQ</i>	<i>Upper Inner Quadrant</i>
<i>UOQ</i>	<i>Upper Outer Quadrant</i>
<i>US</i>	<i>Ultrasonography</i>
<i>WL</i>	<i>Wire Localization</i>

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