



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





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# شبكة المعلومات الجامعية

## التوثيق الالكتروني والميكرو فيلم

# جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

## قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
علي هذه الأفلام قد اعدت دون أية تغيرات



## يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of  
15 – 25c and relative humidity 20-40 %



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# بعض الوثائق الأصلية تالفة

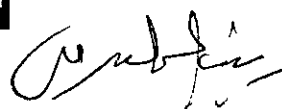


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بالرسالة صفحات  
لم ترد بالأصل

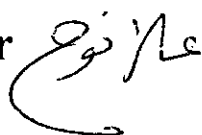
# **THE CURRENT ROLE OF ULTRASONOGRAPHY IN BREAST LESIONS**



## ***ESSAY***



Submitted for partial fulfillment for Master  
Degree (M.Sc) in Radiodiagnosis



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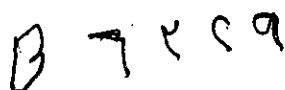
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2001





بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

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

صدق الله العظيم

سورة البقرة / الآية { ٣٢ }





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**Shymaa Abd El Mawla**  
**2001**



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## ***LIST OF ABBREVIATIONS***

- **C.T** : Computed tomography.
- **E.D.** : End diastole.
- **FDG** : Fluorodeoxy glucose.
- **FLASH** : Fat low angle shot.  
A gradient echo fat imaging pulse sequence.
- **FNAC** : Fine needle aspiration cytology.
- **Gd-DTPA** : Gadolinium diethylene triamine penta-  
acetic acid.
- **MRI** : Magnetic resonance imaging.
- **PET** : Positron emission tomography.
- **P.I.** : Pulsatility index.
- **P.R.F** : Pulse repetition frequency.
- **P.S.** : Peak systole.
- **R.I.** : Resistive index.
- **TDLU** : Terminal duct-lobular unit.  
The basic functional unit of the breast.
- **T<sub>1</sub>** : Longitudinal relaxation time.
- **3D** : Three-dimensional.
- **US** : Ultrasound.

