



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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# **Recent Advances of TIRADS Classification of Thyroid Nodules by Ultrasound**

Thesis

*Submitted for Partial Fulfillment of  
Master Degree in Diagnostic Radiology*

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2021



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

# قَالَ

سُبْحَانَكَ لَا عِلْمَ لَنَا  
إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ  
الْعَلِيمُ الْعَظِيمُ

صدق الله العظيم

سورة البقرة الآية: ٣٢

## Acknowledgments

*First and foremost, I feel always indebted to **Allah** the Most Beneficent and Merciful.*

*Then, I'd like to thank my professors:  
**A.Prof.Ayman Mohamed Ibrahim,**  
**Dr.Wessam Sherin Shokry** for their efforts,  
their great support, advices and  
encouragement.*

*Thank you for your cooperation throughout  
this work, and really it was very difficult to me  
without you.*

*Great thanks to my **Family**, especially my  
**Father**, my **Mother**, my **Brothers** for their  
unlimited support and help through my life.*

**Hanan Ebrahim Mousa Ebrahim**

## Dedication

To my **father**, my **mother**, my **son**,  
and lovely my **brothers** who lucky  
am I to have them in my life.



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# List of Abbreviations

Abb.	Full term
<i>AP</i>	<i>Antero-posterior</i>
<i>BTA</i>	<i>British Thyroid Association</i>
<i>CA</i>	<i>Carotid artery</i>
<i>CLT</i>	<i>Chronic lymphocytic thyroiditis</i>
<i>FC</i>	<i>Fascia cervicalis</i>
<i>FNA</i>	<i>Fine needle aspiration</i>
<i>FNAC</i>	<i>Fine needle aspiration cytology</i>
<i>FTC</i>	<i>Follicular thyroid carcinoma</i>
<i>LC</i>	<i>Longuscolli</i>
<i>MEN II</i>	<i>Multiple endocrine neoplasia</i>
<i>MNG</i>	<i>Multinodular goiter</i>
<i>MTC</i>	<i>Medullary thyroid carcinoma</i>
<i>PM</i>	<i>Platysma muscle</i>
<i>PTC</i>	<i>Papillary thyroid carcinoma</i>
<i>RI</i>	<i>Resistive index</i>
<i>SCM</i>	<i>Sternocleidomastoid muscle</i>
<i>SHM</i>	<i>Sternohyoid muscle</i>
<i>STM</i>	<i>Sternothyroid muscle</i>
<i>TIRADS</i>	<i>Thyroid imaging reporting and data system</i>
<i>TL</i>	<i>Thyroid lobe</i>
<i>TNs</i>	<i>Hyroid nodules</i>
<i>US</i>	<i>Ultrasonographic</i>