
**ROLE OF RECENT ADVANCES OF HIGH
RESOLUTION ULTRASOUND INCLUDING
DOPPLER STUDIES AND DYNAMIC
EXAMINATION IN THE EVALUATION OF
PAINFUL KNEE.A COMPARATIVE STUDY TO
MRI**

Thesis

Submitted for partial fulfillment of

M.D Degree in Radiodiagnosis

BY

Maged Abdelrahman Moustafa Hawana

M.B.B.Ch,M.Sc

Supervised by

PROF. Dr . Nagui Mohamed Abd El Wahab

Professor of Radiodiagnosis

Faculty of Medicine

Cairo University

PROF. Dr . Hatem Mohamed El Azizy

Assistant Professor of Radiodiagnosis

Faculty of Medicine

Cairo University

PROF. Dr . Ahmed Mahmoud Kholef

Professor of orthopedic surgery

Faculty of Medicine

Cairo University

Faculty of Medicine

Cairo University

2014

دور التطبيقات الحديثة للموجات فوق الصوتية عالية التباين
متضمنة تطبيقات الدوبلر و الفحص الديناميكي في تقييم
الركبة المؤلمة .دراسة مقارنة مع فحص الرنين المغناطيسي

رسالة مقدمة من

الطبيب

ماجد عبدالرحمن مصطفى هوانه

ماجستير الاشعة التشخيصية

توطئة للحصول على درجة الدكتوراة فى الأشعة التشخيصية

تحت إشراف

الأستاذ الدكتور / /ناجى محمد عبد الوهاب
أستاذ الأشعة التشخيصية
كلية الطب- جامعة القاهرة

الأستاذ الدكتور/ حاتم محمد الغريزي
أستاذ مساعد الأشعة التشخيصية
كلية الطب- جامعة القاهرة

الأستاذ الدكتور/ أحمد محمود خليف
أستاذ جراحة العظام
كلية الطب- جامعة القاهرة

كلية الطب
جامعة القاهرة

٢٠١٤

Acknowledgement

*First and foremost , thanks to **GOD** , to whom I relate any success in achieving any work in my life.*

*I would like to express my deepest gratitude and extreme appreciation to **Dr.Nagui Mohamed Abd El Wahab**, professor of Radiology , Faculty of Medicine , Cairo University for his kind supervision , kind advice , constructive encouragement , generous help through out the whole work which could not be a fact , without his guidance and kind help.*

*I would like to express my great thanks and gratitude to **Dr. Hatem Mohamed EL Azizy**, Assistant professor of Radiology , Faculty of Medicine , Cairo University whom I overloaded too much throughout the whole work , he provided me with continuous advice and help and was a stimulus for completion of this work.*

*Also I would like to send special thanks for **Dr. Ahmed Mahmoud Kholef**, professor of orthopedic surgery , Faculty of Medicine, Cairo University, for his great support, and valuable assistance throughout the whole work .*

*I' m also very grateful and thankful for the **patients** who were included in this study, for their great role in bringing out this thesis, further helping other patients in their treatment.*

*Finally I would like to express my respect ,appreciation , and thanks for my **family** for their assistance ,encouragement and their prayers for me.*

Abstract

This study included 61 patients (39 females and 22 males) with seventy five painful knee joints. They were subjected to Dynamic Ultrasonography and MRI examinations. The preliminary results have shown the great complementary role of dynamic ultrasonography in the diagnosis of different pathological conditions causing knee pain.

(Key Words: dynamic ultrasonography-MRI-knee pain)

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List of Abbreviations

ACL	Anterior cruciate ligament
CT	Computed tomography
DVT	Deep venous thrombosis
FOV	Field of view
Gd-DTPA	Gadolinium-diethylenetriamine pentaacetic acid
ITB	Iliotibial band
LCL	Lateral collateral ligament
LS	Longitudinal section
MCL	Medial collateral ligament
MHz	Mega hertz
MRI	Magnetic resonance imaging
MSUS	musculoskeletal ultrasound
PDUS	Power doppler ultrasound
PCL	Posterior cruciate ligament
RA	Rheumatoid arthritis
SI	Signal intensity
STIR	Short time inversion recovery
TE	Time of echo
TR	Time of repetition
TS	Transverse section
3D	Three dimensional
4D	Four dimensional

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