Evaluating non articular causes of shoulder pain: A prospective study to determine the diagnostic accuracy of Ultrasound in reference to conventional MRI

Thesis

Submitted for Partial Fulfillment of Master Degree in Radio diagnosis

Presented by

Sarah Wagdy Shaker Mohammed

(M.B.B.CH**)**

Supervised By

Prof. Dr. Hanan Mahmoud Arafa

Professor of Radio Diagnosis
Faculty of Medicine - Ain Shams University

Dr. Ahmed Mohamed Osman

Lecturer of Radio diagnosis
Faculty of Medicine - Ain Shams University

Faculty of Medicine
Ain Shams University
2017

List of The Contents

Page

Acknowledgement

*First of all, all gratitude is due to **Allah** almighty for blessing this work, until it has reached its end, as a part of his generous help, throughout my life.*

*Really I can hardly find the words to express my gratitude to **Prof. Dr. Hanan Mahmoud Arafa**, Professor of Radio Diagnosis, Faculty of Medicine, Ain Shams University, for her supervision, continuous help, encouragement throughout this work and tremendous effort she has done in the meticulous revision of the whole work. It is a great honor to work under her guidance and supervision.*

*I would like also to express my sincere appreciation and gratitude to **Dr. Ahmed Mohamed Osman**, Lecturer of Radio diagnosis, Faculty of Medicine, Ain Shams University, for his continuous directions and support throughout the whole work.*

Last but not least, I dedicate this work to my family, whom without their sincere emotional support, pushing me forward this work would not have ever been completed.

Sarah Wagdy Shaker Mohammed

List of Abbreviations

AC	:	Acromioclavicular
ACJ	:	Acromioclavicular Joint
CHL	:	Coracohumeral ligament
DM	:	Diabetes mellitus
GT	:	Greater tuberosity
IGHL	:	Inferior gleno humeral ligament
LHB	:	Long head of biceps
LT	:	Lesser tuberosity
MGHL	:	Middle gleno-humeral ligament
MRI	:	Magnetic Resonance Imaging
OA	:	os acromiale
PMR	:	Polymyalgia rheumatica
Sc	:	Subscapularis
SGL	:	superior gleno-humeral ligament
SS	:	Supraspinatus
SST	:	Supraspinatus tendon
Sub	:	Subscapularis
TE	:	Time to echo
Tr	:	Trapezius muscle
TR	:	Time to repetition
US	:	Ultrasonography
USG	:	Ultrasonography

List of Tables

List of Tables (Cont.)

List of Figures