



Sudan University of Science and Technology



College of Graduate Studies

**Evaluation of Ultrasonography in Diagnosis of
Patients with Rotator Cuff Pathology**

تقويم الموجات فوق الصوتية في تشخيص المرضى ذوي الاعتلال في أربطة الكتف المدورة

*A Thesis Submitted for the fulfillment of the Award of Ph.D. Degree in
Medical Diagnostic Ultrasound Imaging*

(M.Sc.in diagnostic Ultrasound, University of Sudan)

Prepared By

Elfadil Faroug Abdelal

Supervisor

Prof. Elsafi Ahmed Abdalla

(Associate professor)

Co- supervisor

Dr. Caroline Edward Ayad

(Associate Professor)

2017

CHAPTER ONE

INTRODUCTION

CHAPTER TWO
THEORETICAL BACKGROUND

CHAPTER THREE
MATERIALS AND METHODS

CHAPTER FOUR

RESULTS

CHAPTER FIVE
DISCUSSION, CONCLUSION AND
RECOMMENDATIONS