

بسم الله الرحمن الرحيم



HOSSAM MAGHRABY



شبكة المعلومات الجامعية التوثيق الالكتروني والميكرو فيلم



HOSSAM MAGHRABY

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
على هذه الأقراص المدمجة قد أعدت دون أية تغيرات



يجب أن

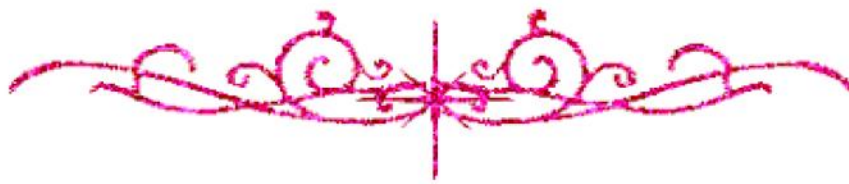
تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



HOSSAM MAGHRABY



بعض الوثائق الأصلية تالفة



HOSSAM MAGHRABY



بالرسالة صفحات

لم ترد بالأصل



HOSSAM MAGHRABY

B16511

**ZAGAZIG UNIVERSITY
BENHA FACULTY OF MEDICINE**

**RESURFACING OF ARTICULAR
CARTILAGE DEFECT**

ESSAY
**SUBMITTED FOR PARTIAL FULFILLMENT OF
MASTER DEGREE IN ORTHOPEDIC**

BY
Magdy Abd El-Dayem Aly Hassan
M.B.B.Ch.

Supervisors
PROF. DR. GALAL EL-DIN HUSSEIN KAZEM
Prof. Dr. of orthopedic surgery
BENHA FACULTY OF MEDICINE

PROF. DR. MOHAMED ELEWA ABD EL-NABY SAAD
Prof. of orthopedic surgery
BENHA FACULTY OF MEDICINE

DR. GAMAL AHMED HOSNI
Assistant Prof. orthopedic surgery
BENHA FACULTY OF MEDICINE

2000





قالوا سبحانك لا علم

لنا إلا ما علمتنا

أنك أنت العظيم الحكيم

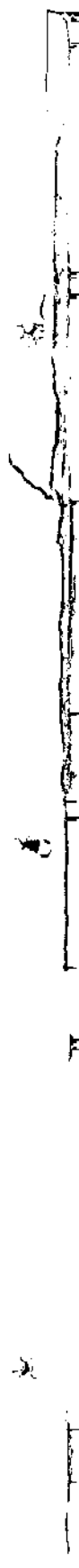
صدق الله العظيم

البقرة ٣٢

7 1/2

air

oh
br
qs



Acknowledgement

First and foremost thanks to God.

I would like to express my deepest gratitude to the supervisors of this work:

Prof. Dr. Galal El-Din Hussein Kazem Prof. Dr. Of Orthopedic Surgery Benha Faculty Of Medicine for suggesting the idea of this study and invaluable support and assistance throughout this work; without his deep interest and faithful guidance this study could not been possible. Moreover, his ideality, fatherly attitude, taught me a lot, not only in medical practice but also in life.

Prof. Dr. Mohamed Elewa Abd El-Naby Saad Prof. of orthopedic surgery Benha Faculty of Medicine for his meticulous supervision of every item, and valuable advices throughout this work.

Dr. Gamal Ahmed Hosni Assistant Prof. Orthopedic Surgery Benha Faculty Of Medicine , who kindly guided my steps and led my way with his continuous encouragement to accomplish this study.

I wish also to thank all those who had helped me in accomplishing this work.

Contents

1-Introduction.....	1
2- Aim of the work.....	
3-Histology of articular cartilage.....	3
4-Types of tissues used in articular resurfacing:-.....	
- Periosteum	14
- Osteochondral autograft.....	29
- Chondrocytes.....	40
- Osteochondral allografts.....	50
- Perichondrium	82
5- Discussion.....	97
6- Summary.....	107
7-References.....	110
8- Arabic Summary.....	

100

100

100

Aim of the work

