



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكرو فيلم

بسم الله الرحمن الرحيم



MONA MAGHRABY



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكروفيلم



شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



MONA MAGHRABY



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكروفيلم

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



MONA MAGHRABY

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالُوا سُبْحَانَكَ لَا عِلْمَ
لَنَا إِلَّا مَا عَلَّمْتَنَا إِنَّكَ
أَنْتَ الْعَلِيمُ الْحَكِيمُ

صدق الله العظيم

سوره البقرة الآية (32)



Stress analysis in mandibular first molar after enlargement to different dimensions

(A Finite Element Study)

*Thesis submitted to Endodontic Department
Faculty of Dentistry
Ain Shams University
In partial fulfillment of the requirement for
Master Degree in Endodontics*

By

Dennis Mohamed Hayaty Ali

B.D.S Faculty of Dentistry, Ain Shams University
(2010)

**Faculty of Dentistry
Ain Shams University
2020**

Under supervision of

Prof. Dr. Shehab El-Din Mohamed Saber

*Professor, Department of Endodontics
Faculty of Dentistry
Ain Shams University*

Ass. Prof. Dr. Tamer Mounier Mousa Nassef

*Associate professor, Department of
Computer and Software Engineering
Faculty of Engineering
Misr University for Science and Technology*

Acknowledgment

First, my utmost gratitude is to GOD, to whom I relate any success I have achieved in my life. Thanks god.

I would like to express my deepest gratefulness and respect to

***Prof. Dr. Shehab El-Din Mohamed Saber**
Professor of Endodontics, Faculty of
Dentistry, Ain Shams University,*

For his constant guidance, support, motivation, education, and endless help during this work. His depth knowledge has been extremely beneficial for me and for giving me the honor of working under his careful supervision.

It hard for me to find the appropriate words that express my gratitude for his favors.

*I would like to express my gratefulness and
respect to*

***Ass. Prof. Dr. Tamer Mounier Mousa Nassef**
Associate professor-Computer and
Software Engineering Department,
Faculty of Engineering_ Misr University
for Science and Technology*

For his extended effort and encouragement

*I would like to extend my thanks to
Eng. Ahmed Samy*

For his extended effort and continuous help

Dedication

I would like to express my deepest appreciation and gratitude to my father and mother for their endless love. I would have never been here without your love and support and motivation. I hope to make you proud.

To all my friends for their continuous help and support.

