



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكرو فيلم

بسم الله الرحمن الرحيم



MONA MAGHRABY



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شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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جامعة عين شمس

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قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
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يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



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The Effect Of Low-Level Laser Therapy On The Rate Of Tooth Movement During Maxillary Canine Retraction; A Randomized Clinical Trial

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By

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Dedication

To my lovely parents, brother and sister for their unconditional love, guidance and everlasting support.

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LIST OF ABBREVIATIONS

Abbreviation	Full Term
OTM	Orthodontic tooth movement
CBCT	Cone beam computed tomography
PDL	Periodontal ligament
RANKL	The receptor activator of nuclear factor-kappa B ligand
RANK	The receptor activator of nuclear factor-kappa B
OPG	Osteoprotegerin
M-CSF	Macrophage colony-stimulating factor
PRP	Platelet rich plasma
LLLT	Low level laser therapy
LILT	Low intensity laser therapy
LLLI	Low level laser irradiation
RCT	Randomized controlled trial
CT	Computed tomography
3 D	Three dimensional
2 D	Two dimensional

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Introduction