شبكة المعلومات الجامعية

التوثيق الإلكتروني والميكروفيلم

بسم الله الرحمن الرحيم

HANAA ALY

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جامعة عين شمس

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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

HANAA ALY

Carrière Distalizer in the correction of Class II Malocclusion

(Clinical Study)

Thesis
Submitted to the Faculty of Dentistry,
Ain-Shams University
in partial fulfillment of the requirements of Master's Degree in Orthodontics

By

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2021

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Dedication

To my beloved parents for their believing in me and their constant support, endless love and care.

To my sisters for always being by my side and my brother for his love and support.

To all my friends and all the family for their continuous encouragement and support.

To my dear friend Areeg for her constant help and care.

Acknowledgment

I would like to express my deepest gratitude and appreciation to my respectful **Dr. Islam Tarek Abbas**, Professor of Orthodontics, Head of Orthodontic Department, Faculty of dentistry, Ain-Shams University for his continuous encouragement, patience and valuable expert guidance throughout the present study and for always being there when needed. It was a great honor to work under his supervision.

No words can express my sincere thanks to **Dr. Hatem Saifeldin**, Lecturer of Orthodontics, Faculty of Dentistry, Ain-Shams University for his close supervision, great help, continuous support, constructive criticism and advice throughout the study.

I would like to express my profound gratitude and appreciation to German Academic Exchange Service (DAAD) for its continuous and generous support during my scholarship.

Last but not least, I would like to express my deepest thanks to all my professors, colleagues and staff members of the Orthodontic Department for their support, cooperation and help.

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List of Abbreviations

Abbreviation	Full Term
PTID	Posterior Transvers Interarch Discrepancy
G	Group
FFRD	Forsus Fatigue Resistant Device
MCPP	Modified C-Palatal Plate
PE	Premolar Extraction
FMA	Functional Mandibular Advancer
FFA	Fixed Functional Appliance
MARA	Mandibular Anterior Repositioning appliance
MB	Multibracket
SUS	Sabbagh Universal Spring
MPA	Mandibular Protraction Appliance
FFRDMS	Forsus Fatigue Resistant Device- Miniscrew Supported
TADs	Temporary Skeletal Anchorage Devices
TPA	Trans- Palatal-Arch
MIA-TPA	Mini-Implant Aided Trans-Palatal Arch
LLA	Lower Lingual Arch
FA	Fixed l Appliance
CBCT	Cone Beam Computed Tomography
3D	Three Dimensional
2D	Two Dimensional
CMA	Carrière Motion Appliance
CDA	Carrière Distalizer Appliance

STL	Stereo-lithography
DCM	Digital Imaging and Communications in Medicine
CT	Computed Tomograghy
CONSORT	Consolidated Standards of Reporting Trials
JPEG	Joint Photographic Experts Group
PtV	Pterygoid Vertical plane
NP	Nasion Perpindicular
FHP	Frankfort Horizontal Plane
S	Sella
N	Nasion
Po	Porion
Or	Orbitale
Point A	Subspinale
Point B	Supramental
ANS	Anterior Nasal Spine
PNS	Posterior Nasal Spine
Go	Gonion
Me	Menton
Gn	Gnathion
Pog	Pogonion
Ar	Articulare
Pn	Pronasale
Sn	Subnasale
Ls	Labrale Superioris
Li	Labrale inferioris
Pog'	Soft tissue Pogonion
Sn'	Soft tissue Subnasale

G	Glabella
PP	Palatal Plane
MP	Mandibular Plane
SN	Sella Nasion Plane
OP	Occlusal plane
Y axis	Line between (S and Gn)
PFH	Posterior Facial Height
AFH	Total Anterior Facial Height
LAFH	Lower Anterior Facial Height
NLA	Nasolabial Angle
E-line	Esthetic line of Ricketts
U1	Upper central incisor
U6	Upper first molar
L1	Lower central incisor
L6	Lower first molar
U3	Upper Canine
AntP	Anterior Plane
HP	Horizontal Plane
ICW	Inter-Canine Width
I4W	Inter-1st premolar Width
I5W	Inter- 2nd premolar Width
IMW	Inter- Molar Width
ICC	Intra-class correlation coefficient
SD	Standard Deviation
IMPA	Incisor-Mandibular Plane Angle
OTM	Orthodontic Tooth Movement

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