Effect Of Mini Implants Number On Muscle Activity in Implant Supported Mandibular Overdentures

Thesis submitted to the Faculty of Dentistry
Ain Shams University, for the Partial Fulfillment of the requirement for the Master Degree in Oral and Maxillofacial Prosthodontics

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2010

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تأثير عدد الغرسات صغيرة القطر الداعمة للأطقم الكاملة المحمولة السفليه على النشاط العضلى الكهربى

رسالة مقدمة لقسم الاستعاضة الصناعية بكلية طب الأسنان
جامعة عين شمس للحصول على درجة الماجستير
في الأستعاضة الصناعية للفم والوجة والفكين

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Acknowledgment

First of all, I wish to express my deep thanks, sincere gratitude to ***ALLAH,*** *who always helps me, care for me and gave me the ability to accomplish this thesis.*

I would like to express my deep appreciation and gratitude to ***Dr. Marwa Ezat Sabet,*** *Assoc. Professor of Prosthodontics, Faculty of Dentistry, Ain Shams University for her valuable guidance, constant encouragement, meticulous supervision, constructive comments, insistence on reaching the most perfect form and for her endless understanding and patience which gave me the push to finish this study.*

I am extremely grateful to ***Dr. Magdy Eid Mohamed,*** *Assoc. Professor of Prosthodontics, Faculty of Dentistry, Ain Shams University, in spite of his great responsibilities he always find the time to support, guide and encourage me. I was also fortunate to carry out this work under his supervision and I would like to declare how much I learnt from him.*

I would like to thank ***Dr. Sahar Fathi Ahmed,*** *Assoc. professor of physical medicine, Rheumatology and Rehabilitation, Faculty of Medicine Ain Shams University for her unlimited support and great help through out my study.*

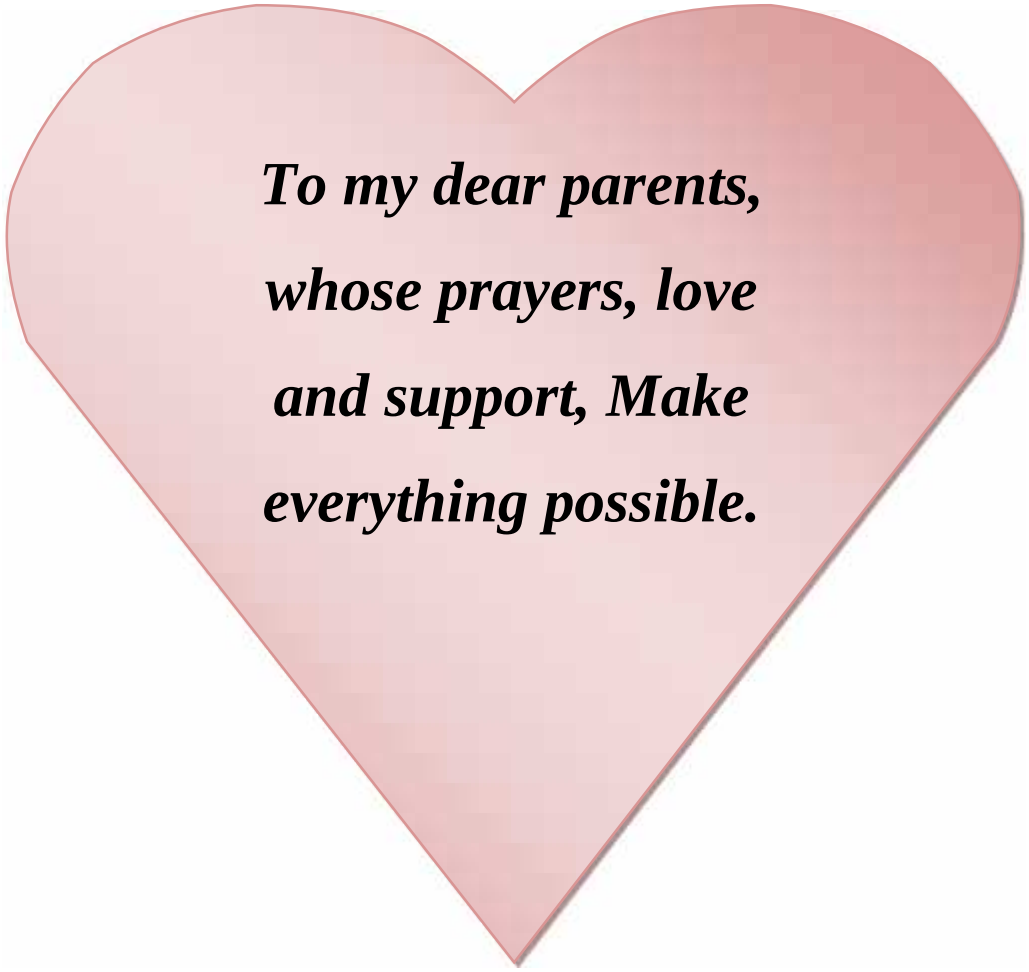
*I would also like to express my appreciation and thanks to **all professors and staff members of the prosthodontics department,** Faculty of Dentistry, Ain Shams University, for their encouragement and support.*

*Words can never express my sincere thanks to **my parents** for every thing through out the years and their encouragement, love, endless care and moral support when I was in most need of it.*

*My great thanks to **all my dear friends** and all who offered me any kind of encouragement wishing them the best of all.*

*Last but not least. I would like to thank **all my patients** and **every one** who had shared in the accomplishment of this work.*

Dedication



To my dear parents, whose prayers, love and support, Make everything possible.

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Introduction

Many edentulous patients wearing conventional complete dentures are dissatisfied with their mandibular dentures. The unfavourable distribution of occlusal forces on their denture bearing area results in increased rate of bone resorption which inturn affects denture stability, retention and patient comfort. Thus, with the introduction of endosseous dental implants new modalities have been introduced for the management of edentulous patients. Implant supported overdentures optimize stress distribution and minimize both the forces transmitted to the implants and the ridge. This type of restoration decreases the denture movements, enhance masticatory function, proprioception, phonetics, patients′ comfort and reduces both trauma to the underlying tissues and rate of bone resorption.

The use of standard diameter implant to support an over denture often requires ridge augmentation procedure in order to place the implant in bone of sufficient volume. Mini dental implants formerly used as only transitional implant can now be used for other applications including use in areas of limited bone, limited space,in physically impaired patients, and with patients who have limited finances. Mini implants reduce bleeding, decrease postoperative discomfort, shorten healing time and can provide immediate loading.

Inspite of their previous advantages mini dental implants are less stable under lateral forces than conventional implants due to their smaller diameter. Trying to overcome this disadvantages, it is