شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

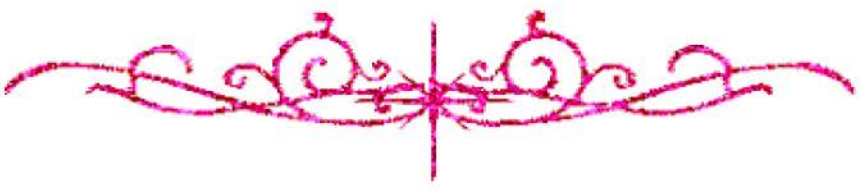
نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات

يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار

شبكة المعلومات الجامعية

بعض الوثائق الأصلية تالفة



بالرسالة صفحات لم ترد بالأصل

Faculty of Dentistry
Cairo University

EVALUATION OF ESTHETIC OUTCOMES OF M-SHAPED FLAP IMPLANT UNCOVERING TECHNIQUE VERSUS I-SHAPED INCISION AROUND SINGLE IMPLANTS IN THE ANTERIOR MAXILLA USING PINK ESTHETIC SCORE (PES)

(Randomized Clinical Trial)

Thesis submitted to Faculty of Dentistry, Cairo University in partial fulfillment of the requirements of the master degree in Oral Implantology

Ahmed Ezzat Moussa
(B.D.S) 2016
Buraiydah Private Colleges

Faculty of Dentistry
Cairo University
2021

Faculty of Dentistry
Cairo University

Faculty of Dentistry
Cairo University

We clarify that we have read the present work and that in our opinion it is fully adequate in scope and quality as thesis towards the partial fulfillment of the Master Degree requirements in Oral Implantology.

From

Faculty of Dentistry, Cairo University

Date.....

Supervisors

Name **:Dr. Manal Mohamed Hosny Mustafa**

Position :Professor of oral medicine and periodontology
Faculty of dentistry, Cairo University

Signature :.....

Name **:Dr. Marwa Amr Hasan AlNawawy**

Position :Lecturer of periodontology
Faculty of dentistry, Cairo University

Signature .....

Faculty of Dentistry
Cairo University

We certify that we have read the present work and that in our opinion it is fully adequate in scope and quality as thesis towards the partial fulfillment of the Master Degree requirements in Oral Implantology.

From

Faculty of Dentistry, Cairo University

Date.....

Jury Committee

Name : **Dr. Maha Abdelkawy Fahmy**
Position : Assistant professor of oral medicine and periodontology
Faculty of Dental Medicine, Beni Suef University
Signature : .....

Name : **Dr. Ibrahim Mahmoud AlRifaai**
Position : Assistant professor of oral medicine and periodontology
Faculty of dentistry, Cairo University
Signature : .....

Name **:Dr. Manal Mohamed Hosny Mustafa**
Position :Professor of oral medicine and periodontology
Faculty of dentistry, Cairo University
Signature : .....

Abstract

Ahmed Ezzat Moussa

Evaluation of Esthetic Outcomes Of M-Shaped Flap Implant Uncovering Technique Versus I-Shaped Incision Around Single Implants In The Anterior Maxilla Using Pink Esthetic Score (PES)

Under Supervision of Dr. Manal Hosny, Dr. Marwah AlNawawy

Replacement of a single tooth in the esthetic zone with implant supported fixed restoration is a broadly recognized and approved option. The soft tissue manipulation in the second stage surgery is a crucial parameter to optimize the final esthetic appearance around the implant-supported prosthesis not only to uncover the implant cover screw for the necessary prosthetic procedures. Every implant exposure technique is unique, crucial and technique sensitive. The esthetic dental field is directed by principles and standards and it should be reviewed from both objective and subjective perspectives. A lot of tries have been carried out to produce an objective assessing tools for overall assessment of the aesthetic results of dental implant in the aesthetic zone. One of those tools is PES that was presented by Furhauser et al. It has been commonly used in assessment of the esthetic results of dental implants restorations.

Aim: This study aims to evaluate the profile of soft tissue around restoration of single implant in the aesthetic zone using PES following uncovering of the implants by I-shaped incision, "M" flap and conventional uncovering techniques.

Methods: 36 patients were randomly divided into 3 groups, a group for each uncovering technique. PES was evaluated through photos around the implant restoration at the time of the delivery of the prosthesis and after 3 months of loading.

Results: Values recorded after 3 months of follow up (12.00±1.41), (11.33±1.66), (11.50±1.69) were significantly higher than values recorded at delivery day (9.80±0.79), (9.00±1.32), (8.88±2.23) in I-incision, M-flap and conventional techniques respectively. No significant difference was found between values recorded in different groups after 3 months. I-incision group showed the highest mean value followed by conventional group while M-flap group had the lowest mean value.

Conclusion: As the results are comparable in the 3 groups and I-incision technique is the least invasive one , I-incision technique is recommended to be used for uncovering the implants in the anterior maxilla.

Acknowledgements

This work was only possible because of the support of some very dedicated people. My deepest appreciation to **Prof. Dr. Manal Hosny**, *Professor of Periodontology and Oral Medicine for her continuous help and guidance.*

I would like also express my appreciation and thanks to **Dr. Marwa Amr Hasan Al-Nawawy,** *Lecturer of periodontology for her valuable supervision and support. I am really grateful to her respected personnel.*

I would like to express my sincere appreciation for **Dr. Ibrahim AlRifaai**, *Assistant Professor of Periodontology for everything he has done to help and teach me.*

I would like to thank all of my colleagues for their support and help.

Dedications

I dedicate this work to my family and professors. A special feeling of gratitude to my loving parents, ***Dr. Ezzat & Dr. Sohir*** *whose words of encouragement and push for tenacity ring in my ears.*

My sisters, Esraa and Alaa, and my wife Afaf *who have supported me to achieve the best and are very special who were my cheerleaders.*

I also dedicate this work to my godfather professor ***Dr. Mamdouh Ahmed*** *who I thank him for outstanding support and pushing quotes.*

I also dedicate this work to ***Dr. Mohamed Atef*** *for his hard work, supportive words and advice. It was a great honor to be one of your students.*

list of Contents

List of Tables