

بسم الله الرحمن الرحيم









شبكة المعلومات الجامعية التوثيق الالكتروني 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 الغيار







بعض الوثائق

الأصلية تالفة







بالرسالة صفحات

لم ترد بالأصل



ORAL MICROFLORAL CHANGES AFTER COMPLETE ORAL REHABILITATION IN CHILDREN

Thesis

Submitted to the Faculty of Oral and Dental Medicine

Cairo University

In partial fulfillment of the requirements

of Master's Degree in Dental Surgery

(Pedodontics)

فلا معنطفي عم

By

Islam Ali Nageib

B.D.S (Ain-Shams University 2001)

Faculty of Oral and Dental Medicine
Cairo University

ye cu

Supervisors

Prof. Dr. Kamal Mohamed El-Motayam Professor in Pediatric and Community Dentistry Department Faculty of Oral and Dental Medicine Cairo University

Dr. Ola Mostafa Omar

Assistant Professor in Pediatric and Community

Dentistry Department

Faculty of Oral and Dental Medicine

Cairo University

Dr. Ashraf El Sayed Sorour

Lecturer of Microbiology and Immunology

Faculty of Medicine

Cairo University

بسو الله الرحمن الرحيو "قالوا سبحانات لا عُلم لذا الا ما عُلمتنا انات انت العليم الحكيم"

صدق الله العظيم

سورة البقرة ، الآية ٣٢

Acknowledgment

I would like to express my deep appreciation and sincere gratitude to *Prof. Dr. Kamal M. El-Motayam*, Prof. in Pediatric and Community Dentistry department, Faculty of Oral and Dental Medicine, Cairo University, for his kind suggestion of the subject, constructive effort, continuous support, motivation and for the time he generously gave for guiding me throughout this study.

I would like to thank *Dr. Ola M. Omar*, Ass. Prof. in Pediatric and Community Dentistry department, Faculty of Oral and Dental Medicine, Cairo University, for her tremendous effort and sincere advice throughout the research.

My appreciation are extended to *Dr. Ashraf E. Sorour*, Lecturer of Microbiology and Immunology, Faculty of Medicine, Cairo University, for his constructive guidance throughout the practical work of the present thesis.

Finally I would like to thank all the staff members of Pedodontic Department, Faculty of Oral and Dental Medicine, Cairo University for there continuous help and constant support.

Dedication to My Dear Parents,

My Beloved Wife

And

My Daughter Judi

Contents

		Page
•	List of Tables	l
•	List of Figures	
•	Introduction	l
•	Review of Literature	3
	Aim of the Study	32
•	Materials and Methods	33
	Results	44
_	Discussion	61
•	Summary	66
•	Conclusions	69
•	Recommendations	70
•	References	71
•		
•	Arabic Summary	

List of Tables

Number of Table	Name of Table	Page number
Table (1)	The relation between the sex of the children and the dmf or the preoperative Streptococcus mutans count.	47
Table (2)	Streptococcus mutans count in saliva × 10 ⁶ CFU in all groups.	48
Table (3)	Comparison of percent change in Streptococci mutans count after 2 weeks, one month and 3 months among all groups.	52

List of Figures

Number of Figure	Name of Figure	Page Number
Fig. (1)	Saliva sampling for the child	35
Fig. (2)	DEFCO Bacto Mitis Salivarius Agar media	37
Fig. (3)	Glison-Pipetman micro-pipettes	37
Fig. (4)	Aerobic candle jar containing some cultured plates	39
Fig. (5)	Electric incubator	39
Fig. (6 a)	Growth of salivary mutans Streptococci colonies on Mitis Salivarius Agar plate (high count)	41
Fig. (6 b)	Growth of salivary mutans Streptococci colonies on Mitis Salivarius Agar plate (low count)	41
Fig. (7)	Streptococcus mutans count in saliva ×10 ⁶ CFU in all groups	49
Fig. (8)	The mean percent drop in salivary Streptococcus mutans in all groups after 2 weeks	53
Fig. (9)	The mean percent drop in salivary Streptococcus mutans in the all groups after one month	54
Fig. (10)	The mean percent drop in salivary Strept. mutans in all groups after 3 months	55

Figure's number	Name of Figure	Page Number
Fig. (11)	The relation between	57
	salivary Streptococcus	
	mutans counts pre-	
	operatively and their	
	dmf in Group I	
	(control group)	
Fig. (12)	The relation between	58
	salivary Streptococcus	
	mutans counts pre-	
	operatively and their	
	dmf in Group II	
•	(chlorohexidine group)	
Fig. (13)	The relation between	59
	salivary Streptococcus	
	mutans counts pre-	
	operatively and their	
	dmf in Group III	
	(fluoride mouthwash	
	group)	
Fig. (14)	The relation between	60
	salivary Streptococcus	
	mutans counts pre-	
	operatively and their	
	dmf in Group IV	
	(fluoride toothpaste	
	oroun)	i

Introduction