



شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم





شبكة المعلومات الجامعية



شبكة المعلومات الجامعية

التوثيق الالكتروني والميكرو فيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
على هذه الأفلام قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of
15 – 25c and relative humidity 20-40 %



شبكة المعلومات الجامعية



بالرسالة صفحات

لم ترد بالأصل



شبكة المعلومات الجامعية



بعض الوثائق الأصلية تالفة

**The Effect Of Using VECTRIS As A
Reinforcing Material In Complete
Mandibular Overdentures**

Thesis

Submitted To The Faculty Of Dentistry Ain-Shams University
In Partial Fulfillment Of The Requirements For The Master
Degree In Prosthodontics

BY

RANIA IBRAHIM MAMDOUH ALY
B.D.S. (1994)
CAIRO UNIVERSITY

Faculty of Dentistry
Ain-Shams University
2002

B
2004

Supervisors

Dr. Hany Ibrahim Eid

Professor of Prosthodontics and Vice Dean
Faculty of Dentistry
Ain - Shams University

Dr. Tarek Salah El - Din Hussein

Assistant Professor of Dental Materials
Prosthodontic Department
Faculty of dentistry
Ain - Shams University



Dr. Fatma El Zahraa Awad

Assistant Professor of Prosthodontics
Prosthodontic Department
Faculty of Dentistry
Ain - Shams University

بسم الله الرحمن الرحيم

أقرأ باسم ربك الذي خلق (١) خلق الإنسان من علق (٢)
أقرأ وربك الأكرم (٣) الذي علم بالقلم (٤) علم الإنسان
ما لم يعلم (٥) .

صدق الله العظيم

(سورة العلق)

Acknowledgment

I am profoundly grateful to Professor ***Dr. Hany Ibrahim Eid***, Professor of Prosthodontics and Vice Dean of the Faculty of Dentistry, Ain-Shams University, for his supportive guidance, valuable suggestions and enthusiastic push as well as his valuable advice.

I would like to express my profound gratitude and deepest appreciation to ***Dr. Tarek Salah El - Din Hussein***, Associate Professor of Dental Materials, Faculty of Dentistry, Ain-Shams University, for his meticulous supervision, constructive comments and continuous encouragement, during the course of this study.

I wish to offer sincere thanks and gratitude to ***Dr. Fatma El Zahraa Awad***, Associate Professor of Prosthodontics, Faculty of Dentistry, Ain-Shams University for her kind and valuable supervision and assistance, stimulating criticism, encouragement and continuous guidance as well as her endless understanding and patience during the production of this work.

I Feel thankful to all staff members and colleagues in Prosthodontic department, Faculty of Dentistry, Ain-Shams University, who never declined from offering help and assistance to me and gave me hand when I was in most need of it.

Last but not least genuine gratitude and love is long overdue to my father for his constant support in every asset of life. Gratitude is also to my mother for her unconditional love, devotion and dedication to me and her moral support to me in all facets of my life.

Finally, I send my deepest thanks and honor to my husband for his great help and support throughout this study. He never declined to offer me his eminent moral support, love and care when I was in most need of it. I send my deep love to my sons, Mostafa and Omar who gave me the chance to go on for this work.

TO My Dear Father ...

Beloved Mother ...

My Lovely Husband ...

And

My Little Angels Mostafa And Omar.

List Of Contents

<u>Contents</u>	<u>Page</u>
• Introduction	1
• Review of literature	3
I– Overdenture	3
* Definition	3
* Advantages and disadvantages of tooth supported overdentures	3
* Overdenture fracture	6
* Location of overdenture fracture	7
 II– Acrylic resin denture base material	8
* Types of acrylic resin.....	9
* Polymethyl-methacrylate acrylic resin ..	9
1- Heat-cured acrylic resin.....	9
2- Chemically activated resin.....	9
3- Pour type denture resin.....	10
4- Light activated resin.....	10
5- Microwave cured acrylic resin.....	11
6- Rapid heat-cured resin.....	11
* Limitations of acrylic resin.....	11