



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





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شبكة المعلومات الجامعية

التوثيق الالكتروني والميكرو فيلم

جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد اعدت 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 %



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بعض الوثائق الأصلية تالفة



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بالرسالة صفحات
لم ترد بالأصل

Healing of Mandibular Fractures Using Three Different Techniques of Internal Fixation

(Experimental study)

Thesis

**Submitted to Oral Surgery Department,
Faculty of Dentistry
Suez Canal University**

**For Partial Fulfillment of M.D Degree in Oral
Surgery**

By

Hussien Salah Tahoun

**BDS, M.SC. Cairo University
Assistant Lecturer of Oral Surgery
Suez Canal University**

2005

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Supervisors

Prof. Dr. Mohamed Said Hamed

Vice dean, and Chairman of Oral Surgery
Department, Faculty of Dentistry
Suez Canal University

Prof. Dr. Ibrahim Hussien Ahmed

Professor of Surgery and Radiology
Faculty of veterinary medicine
Suez Canal University

Author	Tahoun, Hussien Salah,
Title:	Healing of Mandibular Fractures Using Three Different Techniques of Internal Fixation. (Experimental study)
Faculty	Faculty of Dentistry
Department	Oral Surgery
Location	Ismaelia
Degree	MD
Date	
Language	English
Supervision Committee	Hamed MS, Professor of Oral Surgery, Faculty of Dentistry, Suez Canal University Hussein IH, Professor of Surgery and Radiology, Faculty of Veterinary Medicine, Suez Canal University
Abstract: There has been an increasing interest in the use of bioresorbable materials for internal fracture fixation. Aim: Is to use three methods of internal fixation (stainless steel wires, Titanium plates and bioresorbable plates) to treat mandibular angle fracture. Subjects and methods: Thirty mongrel dogs were divided into three equal groups. Each group was treated by one of the selected internal fixation devices. All groups were experimentally exposed to mandiblar osteotomies at the angle region. Progress and evaluation of healing was performed at periods of two, six and twelve weeks postoperatively. It was carried out on the bases of clinical, digital radiographic, histo-pathological, biomechanical and X-ray diffraction tests. Results: Titanium and resorbable plates showed low rate of postoperative infection and high resistance to fracture on biomechanical testing in addition to strong microstructure when examined with X-ray diffraction Titanium was superior in radiodensity of bone and in the amount and surface area of bone trabeculae in the healing gap. Conclusion: Titanium or resorbable plates could be used alone in treatment of fracture angle.	
Keywords	Fracture- Bioresorbable – Differaction- Histophotometry- Digital radiology

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Supervision Committee	Prof. Dr. Mohammed Said Hamed, Professor of Oral Surgery, Faculty of Dentistry, Suez Canal University Prof. Dr. Ibrahim Hussein Ahmed, Professor of Surgery and Radiology, Faculty of Veterinary Medicine, Suez Canal University
Dicsussion Committee	Prof. Dr. Mohammed Saad Khedr, Professor. of Oral Surgery and Head of Oral Surgery department, Faculty of Dentistry, Tanta University. Ass. Prof. Dr. Amr Ali Al Swifi, Ass. Professor of Oral Surgery, Faculty of Dentistry, Suez Canal University. Supervisors: Prof. Dr. Mohammed Said Hamed, Prof. Dr. Ibrahim Hussein Ahmed

DEDICATION

