



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكرو فيلم

بسم الله الرحمن الرحيم



MONA MAGHRABY



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التوثيق الإلكتروني والميكروفيلم



شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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MONA MAGHRABY

**Evaluation of the effect of platelet rich fibrin membrane on the
neurosensory function following inferior alveolar nerve lateralization for
implant placement**

“A Randomized controlled Trial”

A thesis submitted to the Faculty of Dentistry - Cairo University in partial fulfillment of
the requirements of the Doctorate Degree in Oral and Maxillofacial Surgery.

Submitted by

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2020

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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 fulfilment of the Doctorate requirements in Oral and Maxillofacial Surgery.

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Declaration

The investigators of this trial declared that there is no conflict of interest and this trial is self-funded by main investigator (Eman Sayed)

ABSTRACT

Eman sayed Ahmed Shalaby; Evaluation of the effect of platelet rich fibrin membrane on the neurosensory function following inferior alveolar nerve lateralization for implant placement “A Randomized controlled Trial”

Under the supervision of Salah Yassin, Ann Ali Abd-Alkader, Abdelmoez Mohamed Al-Sharkawy

Aim: The aim of this study is to evaluate the effect of PRF membrane on recovery of neurosensory disturbance of the inferior alveolar nerve following IAN lateralization surgery for immediate implant placement.

Methodology: Cases were selected from the oral and maxillofacial surgery outpatient clinic of the academic hospital of the Faculty of dentistry Cairo University-Egypt. A total of 12 inferior alveolar nerve lateralization surgeries were performed on eight patients. Six mandibular sides underwent IAN lateralization surgery and the nerve was surrounded by PRF membrane and six sides underwent IAN lateralization surgeries and the nerve was left to lie against the implant surface. The neurosensory disturbance were examined through subjective ,objective and electrophysiological examination pre operatively and postoperative at 1 week,2weeks,1 month,3 month and 6 month.

Results: There were no statistically significant differences between the two groups in most of follow up intervals regarding the subjective, objective and electrophysiological tests.

Conclusions: the PRF membrane did not improve the recovery of the postoperative NSD of the inferior alveolar nerve following IAN lateralization surgery for immediate implant placement.

To my precious family.

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