### Evaluation of the Penetration Ability, Cleansing and Antibacterial Effect of Newly Formulated Sodium Hypochloride and Chlorhexidine Nanoemulsion as Root Canal Irrigant

Proposal submitted to the Faculty of Dentistry, Ain Shams University

For Partial Fulfillment of the Requirement of the Doctor Degree in Endodontics

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## Dedication

## To my Mother and my Father

Who are always my help and support throughout life

To my wife

Who was encouraging me

To my sweet daughters

The most cheerful lovely gift from Allah

To my sister and brothers

The best friends and support in life

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