



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكروفيلم

بسم الله الرحمن الرحيم



MONA MAGHRABY



شبكة المعلومات الجامعية
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شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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جامعة عين شمس

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قسم

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**A Comparative Immunohistochemical
Study of Microvessels Density and
Stromal Myofibroblasts in Dentigerous
Cyst, Odontogenic Keratocyst and
Ameloblastoma**

Thesis Submitted to the Faculty of Dentistry

Ain Shams University

In partial fulfillment of the requirements for Master's

Degree in Oral Pathology

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B.D.S

Ain Shams University, 2012

Faculty of Dentistry

Ain Shams University

2021

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دراسة مناعية هستوكيميائية مقارنة بين الكيس السني والكيس الكيراتيني سني المنشأ والورم المينائي من حيث كثافة الشعيرات الدموية والخلايا الليفية العضلية

رسالة مقدمة كجزء من مقومات الحصول على درجة الماجستير
في أمراض الفم

مقدمة من

الطبيبة/ ابتهاق اءمء قاسم مرزوق

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

**To the soul of my grandfather, Hamza and great
uncle, Mohamed**

**To my sacrificing mother and kind father, who give
me all of their life. You are God's gifts to me.**

**To my closest friend and best lovely husband ever,
Deyaa. You represent the happiness in my life.**

To my sweetie, Mahmoud.

**To my supportive brother and sister, Yousef and
Enas.**

To my great mother in law.

Acknowledgment

I would like to acknowledge and express my deepest gratitude to **Dr. Houry Moustafa Baghdadi**, Professor and Head of Oral Pathology Department, Faculty of Dentistry, Ain Shams University, for her continuous encouragement, her kind support and constructive advice whenever needed. I benefited greatly from her experience and knowledge. Words will never be enough to describe how glad I was to work under her supervision. I am really grateful for her patience and endurance.

Special thanks are also expressed to **Dr. Nermeen Sami Afifi**, Lecturer of Oral Pathology, Faculty of Dentistry, Ain Shams University, who gave me her time, effort and experience. Without her valuable assistance and insightful observations, it would not have been possible to conduct this research.

A heartfelt acknowledgment should be conveyed to my dearest colleagues, Basma Abdelrahman, Lecturer, Oral Pathology Department, Faculty of Dentistry, Ain Shams University and Fatma Seragel Deen, Assistant Lecturer, Oral Pathology Department, Faculty of Dentistry, Ain Shams University, for their assistance and support.

My thanks extend also, to all the members of Oral Pathology Department, Faculty of Dentistry, Ain Shams University.

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List of Abbreviations

Å: Angstrom

AB: Ameloblastoma

ADAM: A Disintegrin And Metalloproteinases

ADAMTS: A Disintegrin And Metalloproteinase with Thrombospondin motifs

ALK: Activin-Like Kinase

Ang2: Angiopoietin 2

ARHGAP4: RHO GTPase Activating Protein 4

Bcl-2: B-cell lymphoma 2

BM-EPC: Bone Marrow derived Endothelial Progenitor Cell

BMP2: Bone Morphogenetic Protein 2

BRAF: Rapidly Accelerated Fibrosarcoma Homolog B

°C: Degrees Celsius

C+: post contrast

CCND1: Cyclin D1

CD105: Cluster of Differentiation 105 (endoglin)

CD110: thrombopoietin receptor

CD31: platelet endothelial cell adhesion molecule

CD34: sialomucin like glycoprotein expressed on the surface of ECs

- CDH:** Cadherin
- CECT:** Contrast Enhanced Computerized Tomography
- C-EPC:** Circulating Endothelial Progenitor Cell
- CT:** Computerized Tomography
- CTGF:** Connective Tissue Growth Factor
- DAB:** Diaminobenzidine
- DC:** Dentigerous Cyst
- DLL4:** Delta Like Ligand 4
- DPX:** Dibutylphthalate Polystyrene Xylene
- DWI:** Diffusion Weighted Imaging
- ECM:** Extracellular Matrix
- ED-A:** Extra Domain A
- EDTA:** Ethylene-Diamine-Tetraacetic Acid
- EGF:** Epidermal Growth Factor
- EMMPRIN:** Extracellular Matrix Metalloproteinase Inducer
- EPC:** Endothelial Progenitor Cell
- ERK:** Extracellular signal-Regulated Kinase
- F8:** von Willbrand factor
- FA:** Focal Adhesion

FGF: Fibroblast Growth Factor

FGFR2: Fibroblast Growth Factor Receptor 2

FOS: c-Fos proto-oncogene

GB-42: Glycoprotein B-antigenic domain 42

GLI: a protein originally isolated in human Glioblastoma

H&E: Hematoxylin and Eosin

HGF: Hepatocyte Growth Factor

IFN: Interferon

IGF-1: Insulin-like Growth Factor 1

IHC: Immunohistochemistry

IL: Interleukin

IQR: Interquartile Range

kb: kilobase

kDa: kiloDalton

Ki-67: Monoclonal antibody first generated in Kiel, Germany

MAF: Mean Area Fraction

MAPK: Mitogen-Activated Protein Kinase

MCP-1: Monocyte Chemoattractant Protein-1

Meth: Metallopeptidase with Thrombospondin