

**IMMUNOHISTOCHEMICAL EXPRESSION  
OF CD10 AND OSTEOPONTIN IN  
DENTIGEROUS CYST AND  
AMELOBLASTOMA**

Thesis

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

To my lovely parents and brother,  
Thank you for your constant inspiration,  
support and endless faith in me, I  
couldn't have done this without you....

To all who will read this one day and  
find it useful,  
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س د 10 و الاوستيوبونتن في الكيس السني  
و الورم المينائي

رسالة مقدمة لكلية طب الأسنان جامعة عين شمس لاستيفاء جزء من  
متطلبات درجة الماجستير في أمراض الفم

مقدمة من

الطبيبة / شيماء مصطفى مسلوب  
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## **List of Abbreviations**

**ACC:** Adenocystic Carcinoma.

**AK:** Actinic Keratosis.

**ANF:** Atrial Natriuretic Factor.

**BCCs:** Basal Cell Carcinomas.

**BFGF:** Basic Fibroblast Growth Factor.

**BMPs:** Bone Morphogenic proteins.

**BSP:** Bone Sialoprotein.

**CALLA:** Common Acute Lymphoblastic Leukemia Antigen.

**CD 10:** Cluster of differentiation number 10.

**cDNA:** Complementary Deoxyribonucleic Acid.

**COFs:** Cemento-ossifying fibromas.

**CT:** Computed Tomography.

**DAB:** Diamino Benzadine.

**DC:** Dentigerous Cyst.

**ECM:** Extracellular Matrix.

**EDF:** Enlarged Dental Follicle.

**Eta:** Early T-lymphocyte Activation Gene Antigen.

**f-MLP:** Formyl Met-Leu-phe.

**HIER:** Heat Induced Antigen Retrieval.

**IDC:** Incipient Dentigerous Cyst.

**INF $\gamma$ :** Interferon Gamma.

- IL1:** Interleukin 1.
- LMP:** Low Malignant Potential.
- LPs:** Lipopolysaccharides.
- MCA :** Multicystic Ameloblastoma.
- MEC:** Mucoepidermoid Carcinoma.
- MMPs:** Matrix Metalloproteases.
- mRNA :** Messenger Ribonucleic Acid.
- NCAM :** Neural Cell Adhesion Molecule.
- NEP:** Neutral Endopeptidase.
- NK:** Natural Killer.
- OFs:** Ossifying Fibromas.
- OKC:** Odontogenic Keratocyst.
- OPN:** Osteopontin.
- PA:** Pleomorphic Adenoma.
- PBS:** Phosphate Buffered Saline.
- PCOFs:** Peripheral Cemento-ossifying Fibromas.
- PETs:** Pancreatic Endocrine Tumors.
- PLGA:** Polymorphous Low Grade Adenocarcinoma.
- PMA:** Phorbol 1-12 Myristate 13 Acetate.
- PSOFs:** Psammomatoid ossifying fibromas.
- PTC:** Papillary Thyroid Carcinoma.
- RANKL:** Receptor Activator of Nuclear Factor kb Ligand.

**RGD:** Arginine Glycine Aspartate.

**SCC:** Squamous Cell Carcinoma.

**sFRPs:** Secreted Frizzled Related Peptides.

**SIBLING:** Small Integrin Binding Ligand N-Linked Glycoprotein.

**SPARC:** Secreted Protein Acidic Rich in Cysteine.

**SPP:** Secreted Phosphoprotein.

**TNF $\alpha$ :** Tumor Necrosis Factor Alpha.

**UCA:** Unicystic Ameloblastoma.

**VEGF:** Vascular Endothelial Growth Factor.

**VN:** Vitronectin.