

**ASSESSMENT OF CK17 AND EPCAM  
EXPRESSION IN DIFFERENT GRADES  
OF ORAL SQUAMOUS CELL  
CARCINOMA**

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Ain Shams University*

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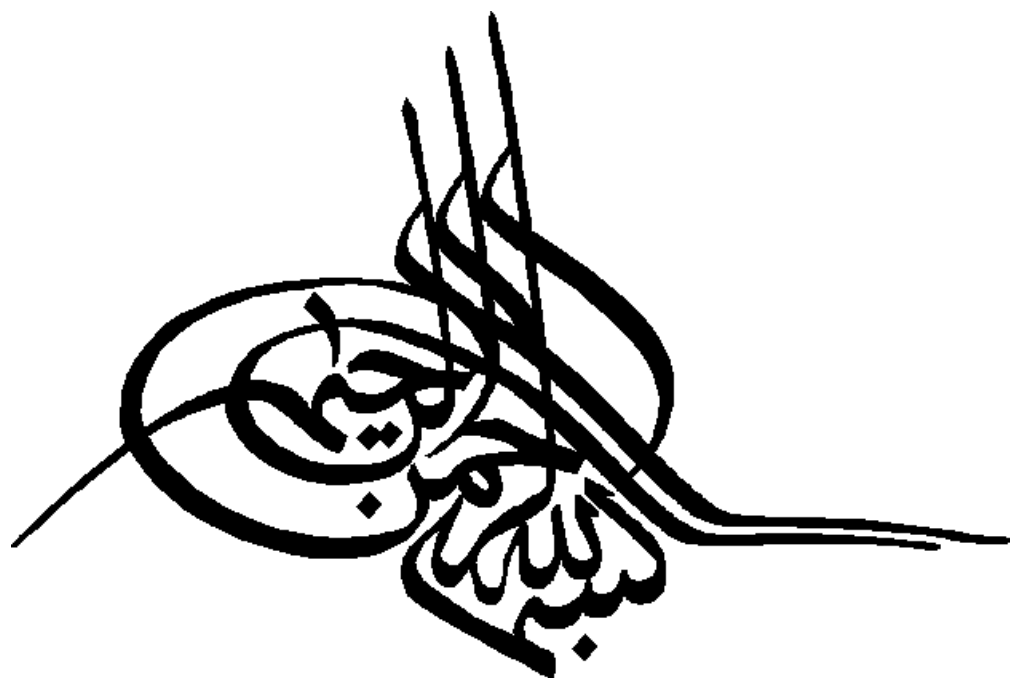
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To My Great Parents

My Beloved Sisters

My Beloved Brother, Abdulrahman

My Wonderful Husband, Mostafa

Who Gave Me All The Possible Time,  
Support And Encouragement I Ever  
Needed

My Beautiful Son,

Yaseen

May All Your Dreams Come True

And Your Wishes Be Granted

To All Who Will Read This One Day And  
Find It Useful,

Thank You For Your Time And Trust

And God Bless You All

Safaa

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## **List of Abbreviations**

**Akt:** protein kinase B; “Ak” mouse bred “t” thymoma

**ANOVA:** Analysis Of Variance

**BCC:** Basal Cell Carcinoma

**CAM:** Cell Adhesion Molecule

**CaP:** Cancer Prostate

**CIS:** Carcinoma *in situ*

**CK:** Cytokeratin

**CRPC:** Castration-Resistant Prostate Cancer

**CT:** Chemotherapy

**DAB:** Diaminobenzidine

**DPX:** Distyrene, a Plasticizer and Xylene

**E:** End

**E-FABP:** Epidermal Fatty Acid-Binding Protein

**EGF:** Epidermal Growth Factor

**EMT:** Epithelial to Mesenchymal Transition

**EpCAM:** Epithelial Cell Adhesion Molecule (syn. GA733-2, TACSTD1, KSA, EGP-2, EGP34, EGP40, CD326, 17-1A, CO-17A, HEA125, MK-1, ESA, KS1/4)

**EpEX:** Extracellular domain of EpCAM

**EpICD:** Intracellular domain of EpCAM

**FDA:** Food and Drug Administration



**FHL2:** Four-and-a-Half LIM domains protein 2

**H:** Homologues

**H&E:** Hematoxylin and Eosin

**Him:** Helix initiating motif

**HNSCC:** Head and Neck Squamous Cell Carcinoma

**Htm:** Helix terminating motif

**HUGO:** Human Genome Organization

**IF:** Intermediate Filament

**IFN- $\gamma$ :** Interferon-gamma

**Ig-CAM:** Immunoglobulin Cell Adhesion Molecule

**IHC:** Immunohistochemistry

**ITIMs:** Immunoreceptor Tyrosine-based Inhibitory Motifs

**K:** Keratin

**Kbp:** Kilobase Pair

**kDa:** KiloDalton

**KFAP:** Keratin Filament-Associated Protein

**KRT:** Keratin gene

**L:** Linker

**LAIR-1:** Leukocyte-Associated Immunoglobulin-like Receptor-1

**Lef-1:** Lymphoid enhancer-binding factor-1

**Mod. diff.:** Moderately differentiated

**mTOR:** Mammalian Target of Rapamycin

<b>MW:</b>	Molecular Weight
<b>NF:</b>	Nuclear Factor
<b>NK:</b>	Natural Killer
<b>OED:</b>	Oral Epithelial Dysplasia
<b>OLK:</b>	Oral Leukoplakia
<b>OSCC:</b>	Oral Squamous Cell Carcinoma
<b>OSF:</b>	Oral Submucous Fibrosis
<b>PBS:</b>	Phosphate Buffer Saline
<b>pH:</b>	Potential Hydrogen
<b>PI:</b>	Isoelectric Point
<b>PI3K:</b>	Phosphatidylinositide 3-Kinases
<b>Poorly diff.:</b>	Poorly differentiated
<b>PS-2:</b>	Presenilin 2
<b>RT:</b>	Radiotherapy
<b>SCC:</b>	Squamous Cell Carcinoma
<b>siRNA:</b>	Small interfering Ribonucleic Acid
<b>SPSS:</b>	Statistical Package for Social Science
<b>St:</b>	Stutter
<b>TACE:</b>	Tumor Necrosis Factor alpha-Converting Enzyme
<b>TIC:</b>	Tumor Initiating Cell
<b>TNF-<math>\alpha</math>:</b>	Tumor Necrosis Factor-alpha
<b>TNF-R1:</b>	Tumor Necrosis Factor Receptor 1

**TRADD:** Tumor Necrosis Factor Receptor 1-Associated Death Domain protein

**TY:** Thyroglobulin

**V:** Variable

**Well diff.:** Well-differentiated

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