Expression of Nm23 and GLUT1 Proteins in Malignant Salivary Gland Tumors

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بسم الله الرحمن الرحيم

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,

Thank you for your time and trust…..

List of Abbreviations

Adcc **:** Adenocystic Carcinoma**.**

ATP : Adenosine triphosphate

C.T. : Computed tomography.

CBM : Carcinoma of buccal mucosa.

CDP : Cytosine diphosphate.

DAB : Diamino Benzidine.

DLBCL : Diffuse Large B cell Lymphoma.

DNA : Deoxyribonucleic acid

GLUT1 **:** Glucose transporter type 1.

GTP : Guanine triphosphate

HGNC : HUGO Gene Nomenclature Committee.

LMP : Low malignant potential.

M.E.C **:** Mucoepidermoid carcinoma**.**

mRNA : Messenger Ribonucleic Acid.

NDP : Nucleoside diphosphate.

Nm23 : Non metastatic 23.

NOS : Adenocarcinoma, not otherwise specified.

PA : Pleomorphic adenoma.

PBS : Phosphate buffer solution.

PLGA : Polymorphous low-grade adenocarcinoma.

PBMNC : Peripheral blood mononuclear cells.

SCC : Squamous cell Carcinoma.

SGT : Salivary gland tumor.

SLC2A1 : Solute carrier family 2.

UDP : Uracil diphosphate

List of Figures

Fig. 1: A photomicrograph of normal salivary gland showing ductal epithelial cells and acini (H&E. original magnification x 20). 38

Fig. 2: A photomicrograph of adenocystic carcinoma showing masses of epithelial cells arranged in tubular pattern (H&E. original magnification x 20). 38

Fig. 3: A photomicrograph of mucoepidermoid carcinoma showing epidermoid cells and mucous secreting cells forming masses or sheets (H&E. original magnification x 20)..... 39

Fig. 4: A photomicrograph of acinic cell carcinoma showing large cells with granular basophilic cytoplasm arranged in masses. Areas of clear cells were also detected (H&E. original magnification x 20). 39

Fig. 5: A photomicrograph of epithelial myoepithelial carcinoma showing tumor cells arranged in form of duct like structure with double cell lining surrounded by a basement membrane (H&E. original magnification x 20). 40

Fig. 6: A photomicrograph of recurrent malignant myoepithelioma showing sheets of myoepithelial cells most of them spindle in shape and only few plasmacytoid in shape (H&E. original magnification x 20). 40

Fig. 7: A photomicrograph of carcinoma ex. Pleomorphic adenoma showing epithelial or myoepithelial cells were arranged in either solid masses or duct like structures containing little eosinophilic material. Some area showed myxoid matrix (H&E. original magnification x 20)..... 41

Fig. 8: A photomicrograph of normal salivary gland showing Nm23 cytoplasmic expression of ductal epithelial cells and acinar cells. Myoepithelial cells showed nuclear Nm23 immunoreactivity (Original magnification x 20)..... 42

Fig. 9: A photomicrograph of solid pattern of adenocystic carcinoma showing neoplastic epithelial cells with either Nm23 nuclear, cytoplasmic immunoreactivity or both. Myoepithelial cells showed mainly nuclear immunopositivity (Original magnification x 20)..... 42

Fig.10: A photomicrograph of cribriform pattern of adenocystic carcinoma showing neoplastic epithelial cells with either Nm23 nuclear, cytoplasmic, membranous immunoreactivity or all of them (Original magnification x 20). 43

Fig. 11: Higher magnification of previous photomicrograph showing neoplastic epithelial cells with either Nm23 membranous, cytoplasmic or nuclear immunoreactivity. Myoepithelial cells were mainly nuclear (Original magnification x 40). 43

Fig. 12: A photomicrograph of low grade mucoepidermoid carcinoma showing membranous Nm23 immunoreactivity of mucous cells and cytoplasmic immunoreactivity of epidermoid cells. Connective tissue stroma was immunonegative (Original magnification x 20). 44

Fig. 13: Higher magnification of previous photomicrograph showing membranous Nm23 immunoreactivity of mucous cells and cytoplasmic with nuclear immunoreactivity of epidermoid cells (arrow) (Original magnification x 40). 44

Fig. 14: A photomicrograph of high grade mucoepidermoid carcinoma showing cytoplasmic Nm23 immunoreactivity of epidermoid cells. Connective tissue stroma surrounding tumor was immunonegative (Original magnification x20)… 45

Fig. 15: Higher magnification of previous photomicrograph showing cytoplasmic Nm23 immunoreactivity of epidermoid cells, while few mucous cells show membranous (black arrow) and nuclear (red arrow) immunoreactivity (Original magnification x 40)….. 45

Fig.16: A photomicrograph of acinic cell carcinoma showing membranous Nm23 immunoreactivity in serous like cells.

The connective tissue stroma surrounding the tumor masses was immunonegative (Original magnification x 20). 46

Fig. 17: A photomicrograph of acinic cell carcinoma showing membranous Nm23 immunoreactivity in serous like cells. Few cells showed cytoplasmic immunopositivity. The connective tissue stroma surrounding the tumor masses was immunonegative (Original magnification x 40). 46

Fig. 18: A photomicrograph of epithelial myoepithelial carcinoma showing Nm23 immunopositivity of spindle myoepithelial cells. The surrounding epithelial cells were immunonegative (Original magnification x 20). 47

Fig. 19: Higher magnification of previous photomicrograph showing Nm23 nuclear and cytoplasmic immunopositivity of myoepithelial cells. The surrounding epithelial cells were immunonegative (Original magnification x 40). 47

Fig. 20: A photomicrograph of recurrent malignant myoepithelioma showing Nm23 nuclear immunoreactivity of malignant myoepithelial cells (Original magnification x 20). 48

Fig. 21: Higher magnification of previous photomicrograph showing spindle shaped malignant myoepithelial cells with Nm23 nuclear immunoreactivity, while few plasmacytoid cells were immunonegative (Original magnification x 40). 48

Fig. 22: A photomicrograph of carcinoma ex. pleomorphic adenoma showing Nm23 immunonegativity of tumor cells. Stroma showed myxoid matrix with no immunoreactivity (Original magnification x 20) 49

Fig. 23: Higher magnification of previous photomicrograph showing Nm23 immunonegativity of tumor cells forming duct like structure or solid masses (Original magnification x 40). . 49

Fig. 24: A photomicrograph of normal salivary gland showing membranous GLUT1 immunoreactivity of ductal epithelial cells. Acinar cells showed less intense immunostaining (Original magnification x 20). 50

Fig. 25: A photomicrograph of solid pattern of adenocystic carcinoma showing GLUT1 nuclear immunoreactivity of epithelial and myoepithelial cells (arrow) (Original magnification x 20). 50

Fig. 26: A photomicrograph of tubular pattern of adenocystic carcinoma showing GLUT1 immunoreactivity in malignant epithelial cells (Original magnification x 20). 51

Fig. 27: Higher magnification of previous photomicrograph showing cytoplasmic and membranous GLUT1 immunoreactivity in epithelial cells, while it was nuclear in myoepithelial cells (Original magnification x 40). 51

Fig. 28: A photomicrograph of low grade mucoepidermoid carcinoma showing epithelial cells with GLUT1 nuclear immunoreactivity and mucous secreting cells with membranous and cytoplasmic immunoreactivity. Connective tissue stroma surrounding tumor was immunonegative (Original magnification x20). 52

Fig. 29: Higher magnification of previous photomicrograph showing epithelial cells with GLUT1 nuclear immunoreactivity (arrow) and mucous secreting cell with membranous and cytoplasmic immunoreactivity (Original magnification x 40). 52

Fig. 30: A photomicrograph of high grade mucoepidermoid carcinoma showing GLUT1 cytoplasmic and membranous immunoreactivity of epithelial cells and mucous secreting cells. Connective tissue stroma surrounding tumor was immunonegative (Original magnification x 20). 53

Fig. 31: A photomicrograph of high grade mucoepidermoid carcinoma showing GLUT1 cytoplasmic immunoreactivity in epithelial cells and mucous secreting cells, while few mucous secreting cells showed nuclear immunoreactivity (arrow). Connective tissue stroma surrounding tumor was immunonegative (Original magnification x 40)... 53

Fig. 32: A photomicrograph of acinic cell carcinoma showing GLUT1 nuclear immunoreactivity in serous like cells forming solid

mass and few cells showed membranous and cytoplasmic immunoreactivity (arrow) (Original magnification x 20). ….. 54

Fig. 33: A photomicrograph of acinic cell carcinoma showing few GLUT1 membranous immunoreactivity in serous like cells forming solid mass (arrow) (Original magnification x 40) . 54

Fig.34: A photomicrograph of epithelial myoepithelial carcinoma showing duct like structure with GLUT1 nuclear and cytoplasmic immunoreactivity in both epithelial and myoepithelial cells (Original magnification x 20). 55

Fig.35: A photomicrograph of epithelial myoepithelial carcinoma showing duct like structure with GLUT1 nuclear, cytoplasmic and membranous immunoreactivity in both epithelial and myoepithelial cells (Original magnification x 40) … 55

Fig.36: A photomicrograph of recurrent malignant myoepithelioma showing GLUT1 immunopositivity of malignant myoepithelial cells with nuclear, cytoplasmic or both immunoreactivity (Original magnification x 20). 56

Fig. 37: Higher magnification of previous photomicrograph showing most of plasmacytoid cells were GLUT1 immunopositive with nuclear, cytoplasmic or both immunoreactivity, while most of spindle cells were immunonegative with only few cells showing cytoplasmic immunoreactivity (Original magnification x 40). 56

Fig. 38: A photomicrograph of carcinoma ex. Pleomorphic adenoma showing GLUT1 immunopositivity in malignant epithelial cells forming duct like structure, while few malignant epithelial cells in solid masses were immunopositive. (Original magnification x 20). 57

Fig. 39: Higher magnification of previous photomicrograph showing GLUT1 cytoplasmic immunoreactivity in cells forming duct like structures and note nuclear immunoreactivity of few cells forming solid masses (Original magnification x 40). 57

Fig. 40: Histogram showing descriptive analysis of mean area fraction of Nm 23 immunopositivity among the studied malignant salivary gland tumors. 59

Fig. 41: Histogram showing descriptive analysis of mean area fraction of GLUT1 immunopositivity among the studied malignant salivary gland tumors. 64

Fig. 42: Histogram showing mean area fraction of Nm23 and GLUT1 expression in different salivary gland tumors. 68

Fig. 43: Scatter plot showing the correlation between Nm23 and GLUT1 expression in malignant salivary gland tumors. .. 69

Fig. 44: Scatter plot showing the correlation of mean area fraction of Nm23 expression in low grade versus high grade mucoepidermoid carcinoma. 70

Fig. 45: Scatter plot showing the correlation of mean area fraction of GLUT1 expression in low grade versus high grade mucoepidermoid carcinoma. 71

Fig. 46: Scatter plot showing the correlation of mean area fraction of Nm23 expression in primary versus recurrent malignant salivary gland tumors. 72

Fig. 47: Scatter plot showing the correlation of mean area fraction of GLUT1 expression in primary versus recurrent malignant salivary gland tumors. 73

List of Tables

Table (1): The frequency distribution of studied cases. 21

Table (2): Clinicopathological finding of studied cases…….29

Table (3): The number of immunopositive cases for both markers in different salivary gland tumors. 32

Table (4): Descriptive statistics for Nm23 mean area fraction in normal control and different malignant salivary gland tumors.. 58

Table (5): ANOVA test for Nm23 mean area fraction in different salivary gland neoplasms. 59

Table (6): Multiple comparisons of mean area fraction of Nm23 immunoexpression in normal and malignant salivary gland tumors. 61

Table (7): Descriptive statistics for GLUT1 mean area fraction in normal control and different malignant salivary gland tumors. 63

Table (8): ANOVA test for Nm23 mean area fraction in different salivary gland neoplasms. 64

Table (9): Multiple comparisons of mean area fraction of GLUT1 immunoexpression in normal and malignant salivary gland tumors. 66

Table (10): Pearson correlation (r) of mean area fraction of Nm23 and GLUT1 expression in different salivary gland tumors……..…..... 68

Table (11): Pearson correlation (r) of mean area fraction of Nm23 expression in low grade versus high grade mucoepidermoid carcinoma …….…..... 70

Table (12): Pearson correlation (r) of mean area fraction of GLUT1 expression in low grade versus high grade mucoepidermoid carcinoma…….…..... 71

Table (13): Pearson correlation (r) of Nm23 mean area fraction of primary versus recurrent malignant salivary gland tumors …….....…..... 72

Table (14): Pearson correlation (r) of GLUT1 mean area fraction of primary versus recurrent malignant salivary gland tumors……..…..... 73

Table of Contents

List of Abbreviations i

List of Figures iii

List of Tables ix

Introduction 1

Review of Literature 3

Salivary gland cancer 3

Type of cancers that can affect salivary glands 4

The key statistics of salivary gland cancer 5

Outcome of different types of salivary gland cancers 6

Outcome of different stages of salivary gland cancers 7

Statistics for minor salivary gland cancers 7

Tumor markers 9

Nm23 9

Discovery of Nm23/ NDP Kinase 10

Function of human Nm23/NDP kinase 11

Nm23-H1 Expression in various tumors 12

GLUT1 15

GLUT1 expression in various tumors 16

Aim of the Study 20

Material and methods 21