Evaluation of Matrix Metalloproteinase-2 in Lung Cancer patients at Ain Shams University Hospitals

Thesis

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CONTENTS

CONTENTS (Cont.)

LIST OF TABLES

LIST OF TABLES (Cont.)

LIST OF TABLES (Cont.)

LIST OF FIGURES

LIST OF FIGURES (Cont.)

LIST OF ABBREVIATIONS

ADAMs	A disintegrin and metalloproteinase domain
ANOVA	Analysis of variance
bFGF	Basic fibroblast growth factor
BM	Basement membrane
AUC	Area under the curve
CD	Cluster of differentiation
CEA	Carcinoembryonic antigen
CNS	Central nervous system
COPD	Chronic obstructive pulmonary disease
CT	Computed tomography
CTPCPE	C-terminal fragment of the procollagen C-terminal proteinase enhancer
CXRs	Conventional chest radiographs
CYFRA 21-1	Cytokeratin 19 fragment
DNA	Deoxyribonucleic acid
E/M	Epithelial/mesenchymal
ECM	Extracellular matrix
ECs	Endothelial cells
EGF	Epidermal growth factor
ELISA	Enzyme-linked immunosorbent assay
ETS	Environmental tobacco smoke
FN	False negative
FP	False positive
GPI	Glycosyl-phosphatidyl inositol
HIV	Human immunodeficiency virus
HME	Human macrophage metalloelastase
IARC	International Agency for Research on Cancer
IASLC	International Association for the Study of Lung Cancer

ICAM	Intercellular adhesion molecule
ID	Insertion domain
Ig	Immunoglobulin
IGFBP	Insulin-like growth factor binding protein
IL	Interleukin
kDa	Kilo dalton
MCs	Mural cells
Met	Methionine
MMPs	Matrix metalloproteinases
MRI	Magnetic resonance imaging
mRNA	Messenger ribonucleic acid
MT-MMP	Membrane-type matrix metalloproteinase
n	Number
NPV	Negative predictive value
NSCLC	Non small cell lung carcinoma
NSE	Neuron-specific enolase
p	Probability of being by chance value
PAR-1	Protease-activated receptor-1
PET	Positron emission tomography
PEX	Hemopexin
PPV	Positive predictive value
proGRP	Progastrin-releasing peptide
qGZ	Quantitative gelatin zymography
r	Correlation coefficient
RECK	Reversion-inducing cysteine-rich protein with kazal motifs
ROC	Receiver operating characteristic
rpm	Revolutions per minute
RTH	Radiation therapy
SCLC	Small cell lung carcinoma
SD	Standard deviation

SDS	Sodium dodecyl sulfate
SDS-PAGE	Sodium dodecyl sulfate-polyacrylamide gel electrophoresis
SIADH	Syndrome of inappropriate anti-diuretic hormone
SNPs	Single-nucleotide polymorphisms
SPARC	Secreted Protein Acidic and Rich in Cysteine
SPSS	Statistical Package for Social Sciences
SVC	Superior vena cava
TEMED	N,N,N',N'-tetramethylethylenediamine
TFPI-2	Tissue factor pathway inhibitor-2
TGF	Transforming growth factor
TIMPs	Tissue Inhibitors of Metalloproteinases
TN	True negative
TNF-α	Tumor Necrosis Factor α
TNM	Tumor, node, metastasis
TP	True positive
uPA	Urokinase plasminogen activator
VEGF	Vascular endothelial growth factor
Zn	Zinc

Introduction