

Abbreviations

μM	Micromolar
AF	Allele Frequency
AgNO ₃	Silver nitrate
APS	Ammonium per sulfate
Arg	Arginine
AS	Advanced stage
AUC	Area under curve
BM	Buccal mucosa
BPB	Bromophenol blue
BPDE	Benzo[a]pyrene-7,8-dihydrodiol-9,10-epoxide
CBB	Coomassie brilliant blue
CI	Confidence interval
DFS	Disease free survival
DNA	Deoxyribonucleic acid
dNTPs	Deoxynucleotides
E6AP	E6-associated protein
EBV	Epstein-Barr virus
ECM	Extracellular matrix
EDTA	Ethylenediaminetetraacetic acid
ELISA	Enzyme linked immunosorbent assay
ES	Early stage
EtBr	Ethidium bromide
FS	Frame shift
HBCR	Hospital based cancer registry
HCl	Hydrochloric acid
HHV-8	Human herpesvirus-8
HIF-1α	Hypoxia-inducible factors-1- alpha
HIV	Human immunodeficiency virus
HNSCC	Head and neck squamous cell carcinoma
HPV	Human papillomavirus
HR-HPV	High-risk human papillomavirus
HSV	Herpes simplex virus

List of Abbreviations

hTERT	human telomerase reverse transcriptase
hTR	human telomerase RNA
HWE	Hardy–Weinberg equilibrium
IARC	International Agency for Research on Cancer
IDV	Integrated density value
IHC	Immunohistochemistry
IRB	Institutional review board
KCl	Potassium Chloride
kDa	Kilodalton
KH ₂ PO ₄	Potassium dihydrogen phosphate
LD	Linkage disequilibrium
LN Mets	Lymph node metastasis
LN(-)	Lymph node metastasis (-)
LN(+)	Lymph node metastasis (+)
LR-HPV	Low-risk human papillomavirus
LTF	Lost to follow-up
M1	Mortality phase 1
M2	Mortality phase 2
MD	Moderately differentiated
MDM2	Mouse double minute 2
MEF	Mouse embryo fibroblast
MgCl ₂	Magnesium chloride
mM	Milimolar
MMP	Matrix metalloproteinase
mRNA	Messenger Ribonucleic acid
MT1-MMP	Membrane type 1-matrix metalloproteinase
Na ₂ HPO ₄	Disodium hydrogen phosphate
NaCl	Sodium chloride
NAD	Not any disease
NaN ₃	Sodium azide
NaOH	Sodium hydroxide
NF-κB	Nuclear factor kappa-light-chain-enhancer of activated B cells
NH ₄ Cl	Ammonium chloride
NH ₄ HCO ₃	Ammonium bicarbonate

List of Abbreviations

NHT	No habit of tobacco
NR	No - Recurrence
OR	Odds ratio
ORF	Open reading frame
OS	Overall survival
OSCC	Oral squamous cell carcinoma
P/P	Pro/Pro
PAGE	Polyacrylamide gel electrophoresis
PAH	Polycyclic aromatic hydrocarbons
PBS	Phosphate buffer saline
PCR	Polymerase chain reaction
PCR-RFLP	Polymerase chain reaction- restriction fragment length polymorphism
PCR-SSCP	Polymerase chain reaction-single strand conformation polymorphism
PERP	p53 apoptosis effector related to PMP-22
Pro	Proline
R	Recurrence
R/P	Arg/Pro
R/R	Arg/Arg
RBC	Red blood cells
RNA	Ribonucleic acid
ROC	Receiver's Operating Characteristics
RPE cells	Retinal pigment epithelial cells
RPM	Rotation per minute
rs	Reference SNP
RT	Room temperature
RT-PCR	Reverse transcriptase-polymerase chain reaction
SDS	Sodium dodecyl sulphate
SEM	Standard error of mean
SNP	Single nucleotide polymorphism
SPSS	Statistical package for the social sciences
ssDNA	Single stranded DNA
TA	Transcriptionally active
TAE buffer	Tris acetate EDTA buffer
TBE buffer	Tris borate EDTA buffer

List of Abbreviations

TDW	Triple distilled water
TE buffer	Tris EDTA buffer
TEMED	N, N, N', N' Tetra-methylethylene diamine
TIMP-2	Tissue inhibitor of metalloproteinases -2
TNA	Trancriptionally not-active
TNM	Tumor node metastasis
TP1	Telomerase associated protein 1
TS<4cms	Tumor size<4cms
TS≥4cms	Tumor size≥4cms
TS-PCR	Type specific- polymerase chain reaction
UV	Ultra violet
VEGF	Vascular endothelial growth factor
WBC	White blood cells
WD	Well differentiated
WHO	World Health Organization
WHT	With habit of tobacco