

//  
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//

( )

## PCNA ki – 67

\*

R.E.E

*Squamous cell carcinoma Mucoepidermoid carcinoma Ameloblastoma*

PCNA ki- 67 .

PCNA Ki-67

IHC PCNA ki-67

*streptavidin- avidin biotin*

%

Ki-67

%

%

%

PCNA

PCNA , ki-67

PCNA ki – 67

( ) .

REE

REE

CEJ

( )

(Cervicoenamel Junction)

PCNA ki- 67 .( )

( )

PCNA Edematsu  
ki-67

( )

Ki-67 PCNA Multi Potential

Ki-67 SCC (Mucoepidermoid Carcinoma) MEC  
(Squamous Cell Carcinoma)  
( )

DNA

PCNA

DNA- Polypeptidase  
( ) G1/S Peak . Konstantinos .  
G2 ki-67

( )  
PCNA Matulova

Immunohistochemistry

( ) ki-67 ( )  
Piatelli

Downloaded from pajooohande.sbm.ac.ir at 11:29 +0430 on Sunday April 5th 2020

(Clone Sigma 1: 100 PC 10) PCNA

(Clone MIBI 1: 100) anti- ki-67 Ki-67

:

• Ki-67

(shun)

(++) (+)

(+) (++)

X4

(++) X10 (+++)

( ) (+) X40

Ki-67

%

%

%

IHC

Avidin- Biotin

H2O2 % /

Antigen retrieval

(700 watt) Microwave

Ki-67 (% )

( )

(P< / )

Ki-67

USA, DAKO, Ki-67 PCNA clone :Pc10)

/ ( clone:MIB-1

	ki-67 /
(%)	(%)
( )	( )
( )	( )

Biotinlated- antimouse immunoglobulin

(Denmark, DAKO , Ko673)

(D.A.B) diaminobenzidine tetrahydrochloride

(% ) PCNA

(% )

( )

Meyer's hematoxilin counterstain  
mount counter stain

(P< / )

anti PCNA

(++) (+) (++)  
 (+++)  
 .(P< / )

PCNA

(++) (+)  
 (+++) (++) (+)

.(P< / )

ki- 67

(+) (++) (+)  
 (++) (++)  
 .(P< / )

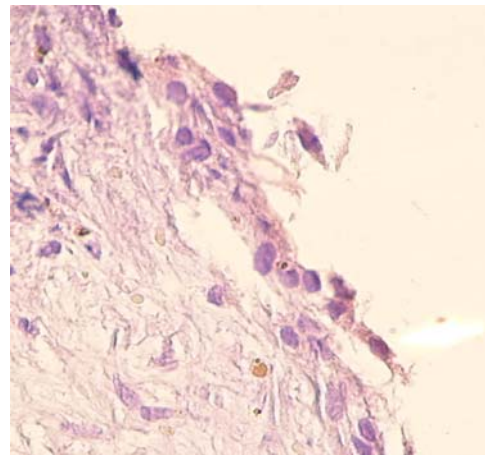
PCNA Ki-67

Edematsu  
 Edematsu

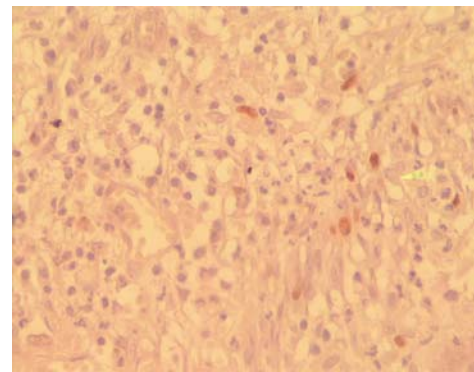
( ) Edematsu  
 ( ) Matulva  
 ( ) Tripi  
 PCNA ki- 67

PCNA

(%)	(%)	PCNA /
( )	( )	
( )	( )	



PCNA



PCNA

( ) PCNA ( ) ki- 67 ( ) Edematsu  
 ( ) PCNA (++) (+) (++) (++)  
 .(P< / )  
 (+) ki- 67

case-control

Ki-67 PCNA

cohort

PCNA Ki-67

( )

Sharshtha

cystic precystic

(EGF)

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