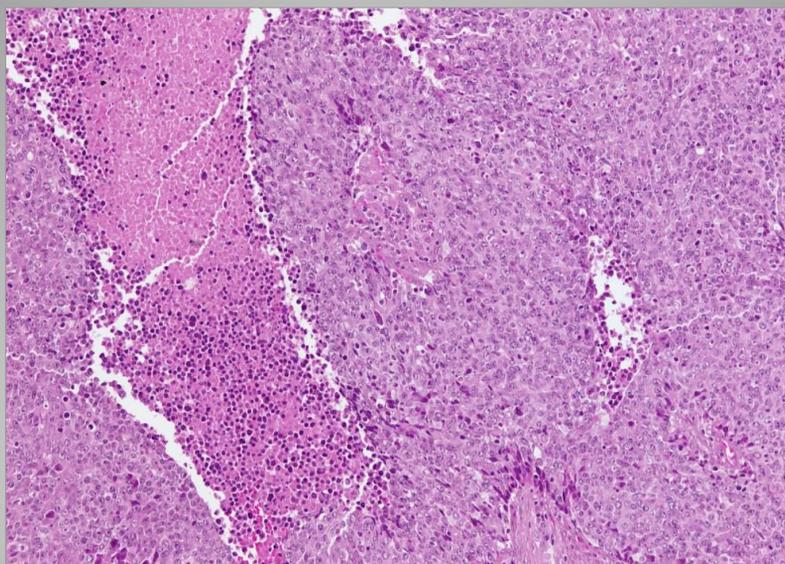


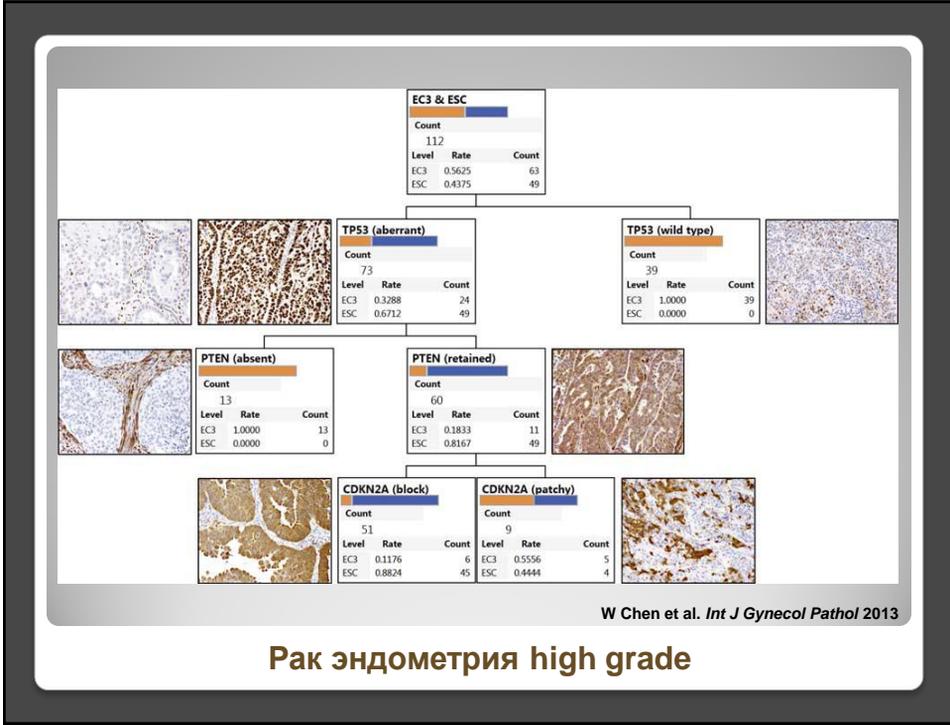
Интерпретация иммуногистохимических окрасок при гинекологических опухолях

Зав. ПАО Савёлов Н.А.

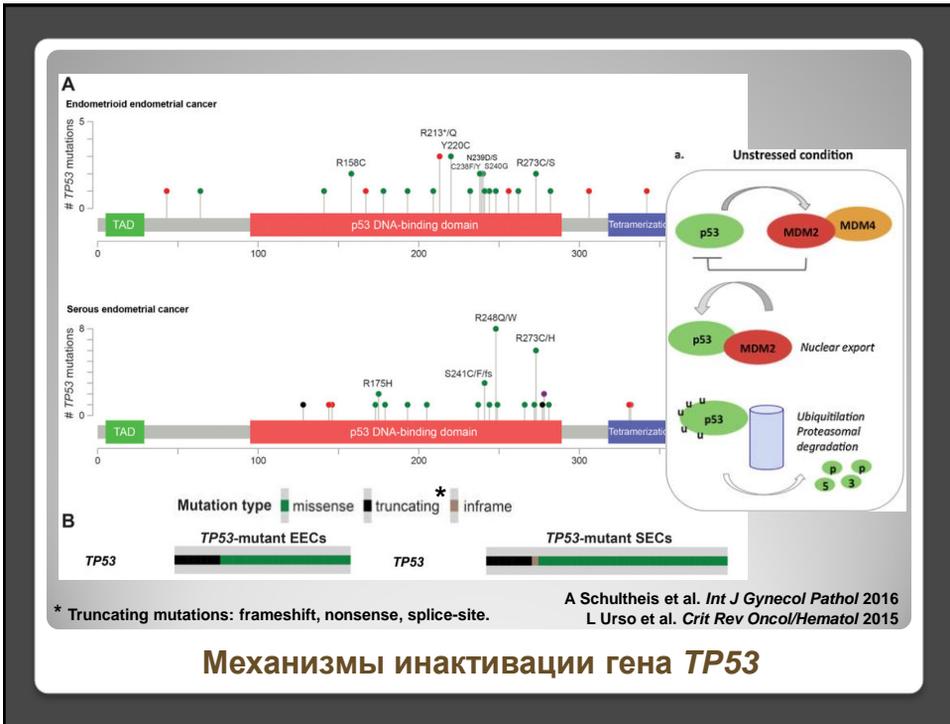
2021



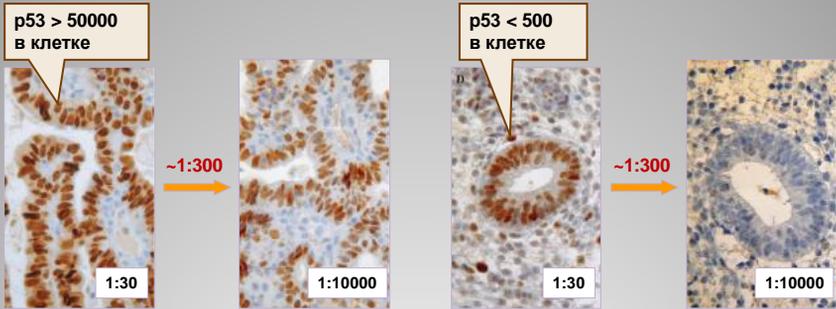
Рак эндометрия high grade



Рак эндометрия high grade



Механизмы инактивации гена TP53



**p53 > 50000
в клетке**

**p53 < 500
в клетке**

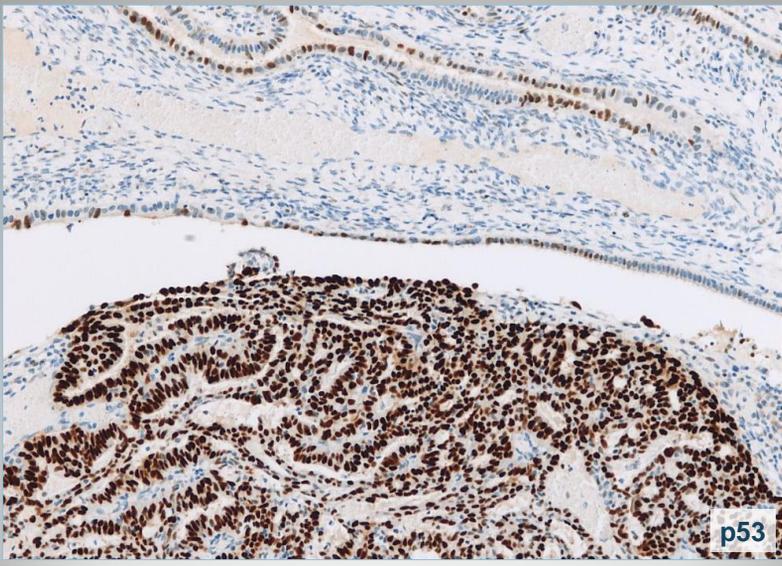
1:30 ~1:300 1:10000

1:30 ~1:300 1:10000

Индекс мечения p53 очень чувствителен к концентрации первых антител. Кроме того чувствительность системы детекции и эффект демаскировки антигенов обладает схожим действием.

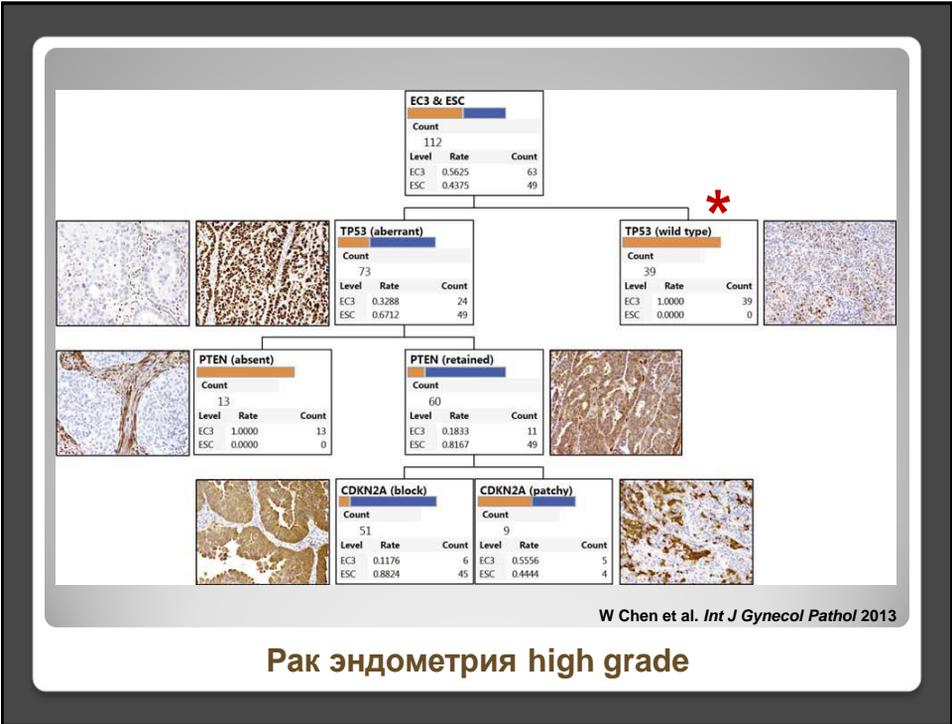
WG McCluggage et al. *Int J Gynecol Pathol.* 2005

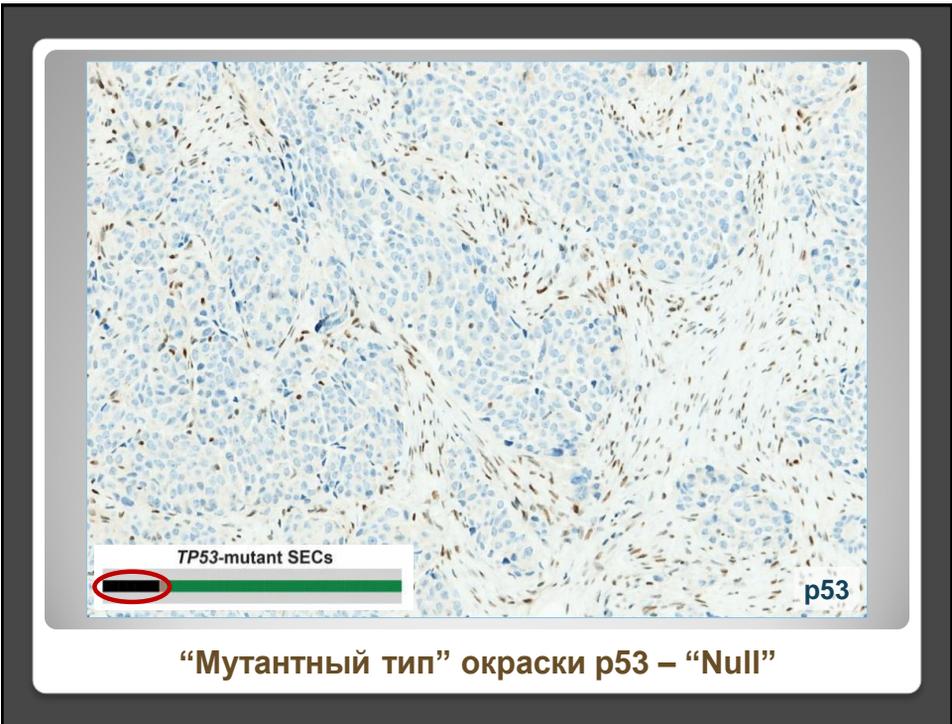
Особенности интерпретации окраски p53



p53

“Мутантный тип” окраски p53 – “All”





A

P53 expression on IHC N= 219 (%)	
Overexpressed	140 (64)
Null	67 (30)
Cytoplasmic	2 (1)
Wild type	10 (5)

Expression on IHC	Median OS in months (95% CI)	P-value
Overexpression	66 (55-92.1)	0.26
Null	62.1 (48.1-66.1)	
Wild type	35.8 (28.0-NA)	

TABLE 1. p53 immunohistochemical staining patterns observed in tubo-ovarian high-grade serous carcinoma

Staining pattern	TP53 status	P53 IHC interpretation	% in tubo-ovarian high-grade serous carcinoma
TP53 mutation absent			
Wild-type	No mutation	Normal/wild-type	0
TP53 mutation present			
Overexpression	Nonsynonymous missense mutation	Abnormal/aberrant/mutation-type	66
Complete absence	Loss of function mutation	Abnormal/aberrant/mutation-type	25
Cytoplasmic	Loss of function mutation disrupting nuclear localization domain	Abnormal/aberrant/mutation-type	4
Wild-type	Truncating mutation	Normal/wild-type	5

V Mandilaras et al. *Int J Gynecol Cancer* 2019

Особенности интерпретации окраски p53

EC3 & ESC		
Count	112	
Level	Rate	Count
EC3	0.3625	63
ESC	0.4375	49

TP53 (aberrant)		
Count	73	
Level	Rate	Count
EC3	0.3288	24
ESC	0.6712	49

TP53 (wild type)		
Count	39	
Level	Rate	Count
EC3	1.0000	39
ESC	0.0000	0

PTEN (absent)		
Count	13	
Level	Rate	Count
EC3	1.0000	13
ESC	0.0000	0

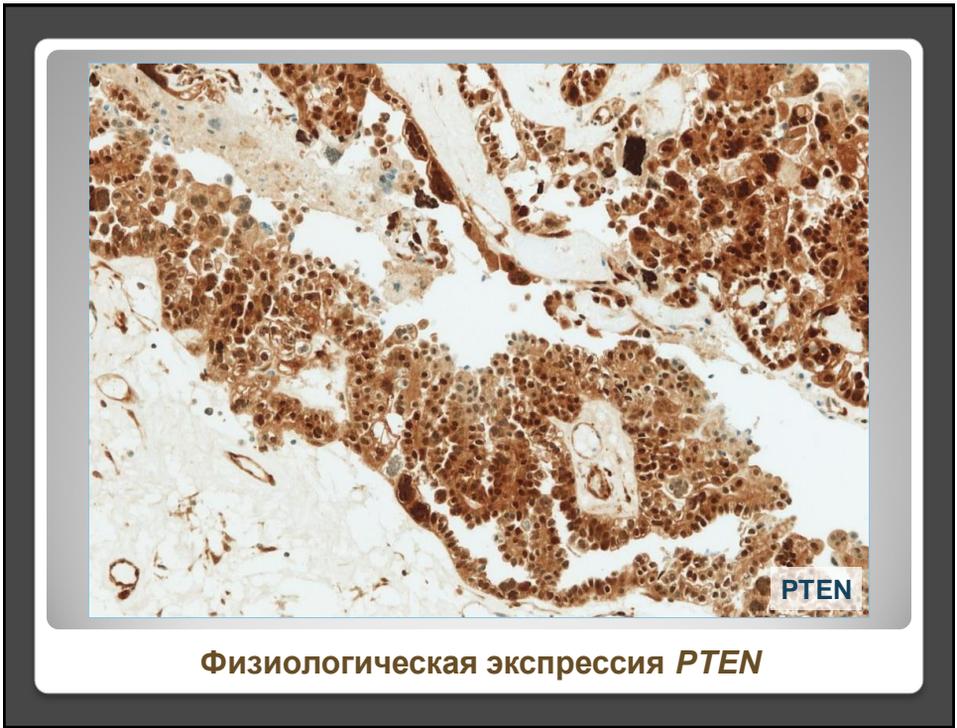
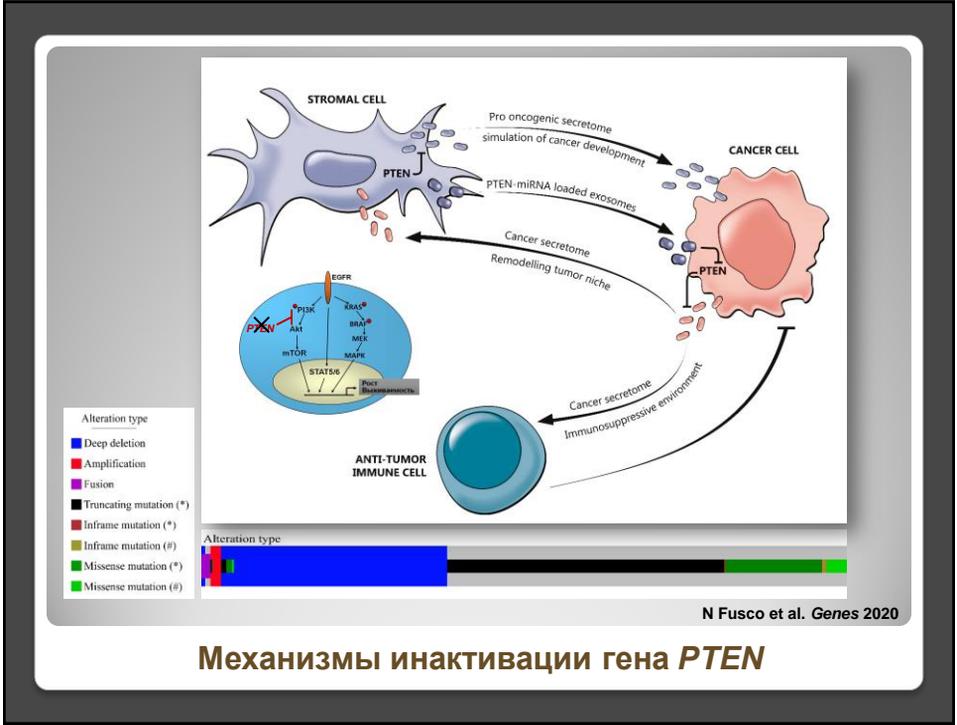
PTEN (retained)		
Count	60	
Level	Rate	Count
EC3	0.1833	11
ESC	0.8167	49

CDKN2A (block)		
Count	51	
Level	Rate	Count
EC3	0.1176	6
ESC	0.8824	45

CDKN2A (patchy)		
Count	9	
Level	Rate	Count
EC3	0.5556	5
ESC	0.4444	4

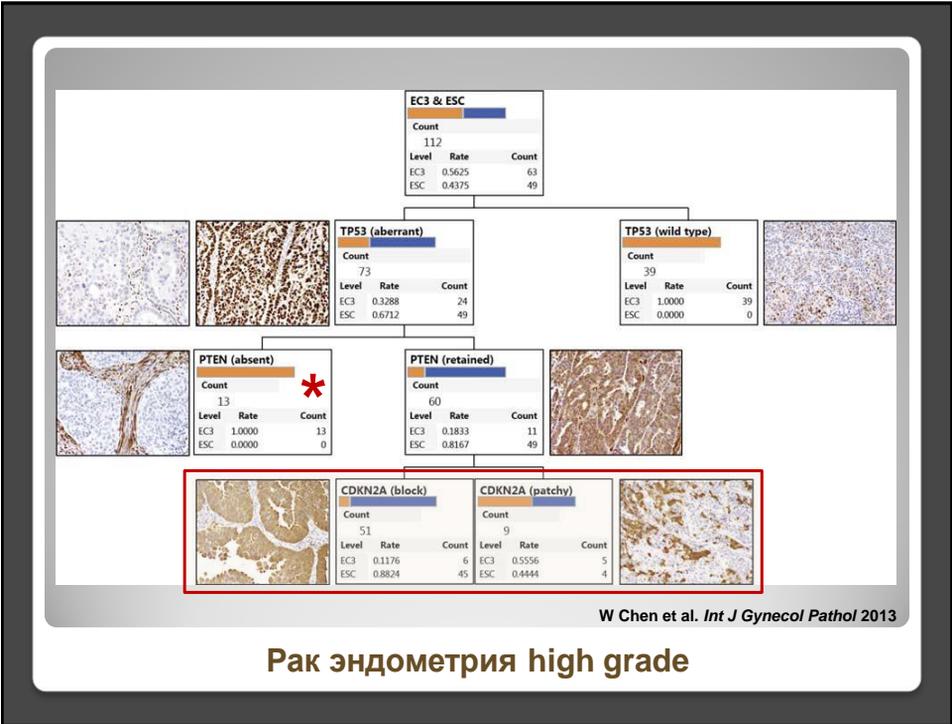
W Chen et al. *Int J Gynecol Pathol* 2013

Рак эндометрия high grade



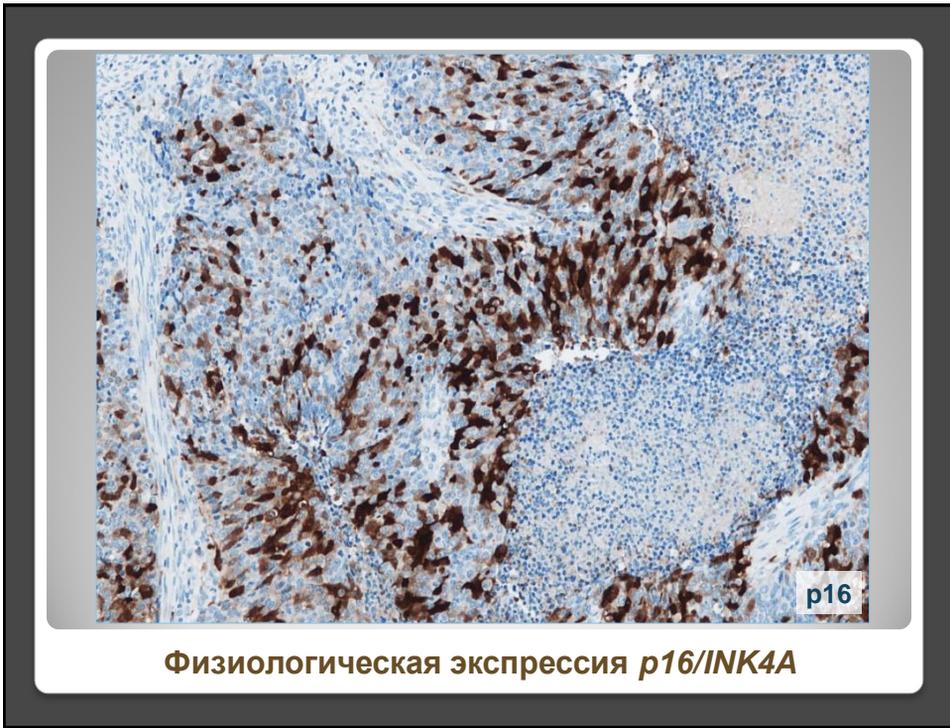
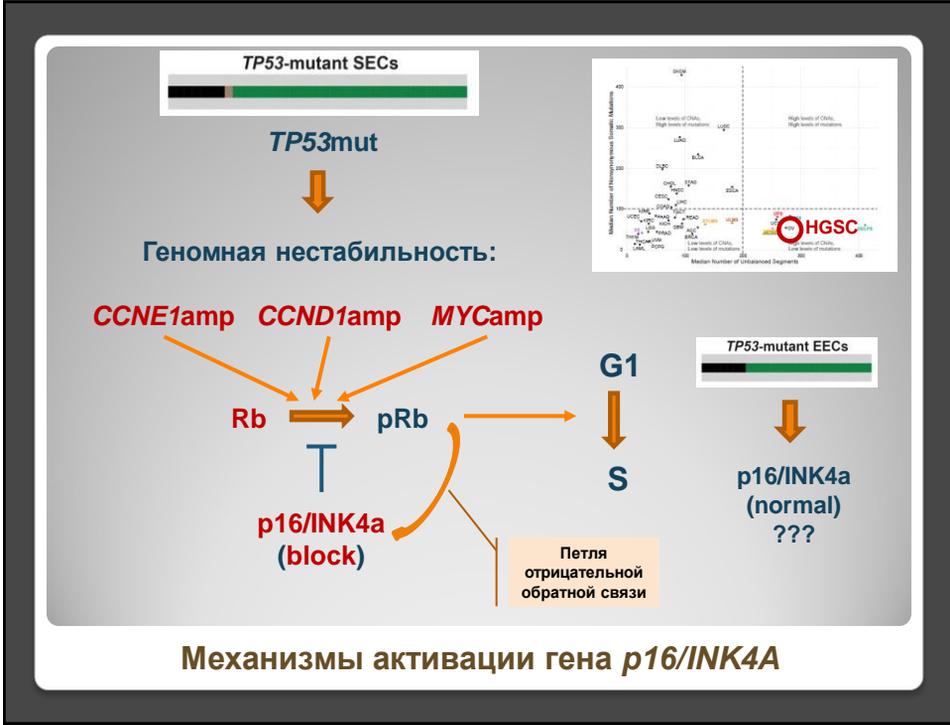


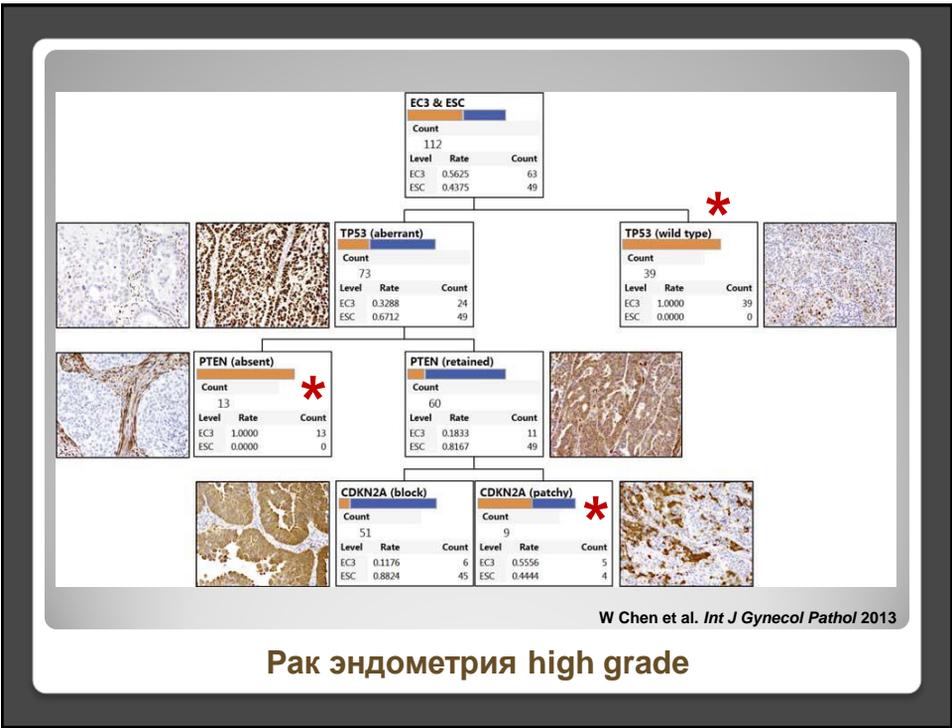
Патологическая экспрессия *PTEN*

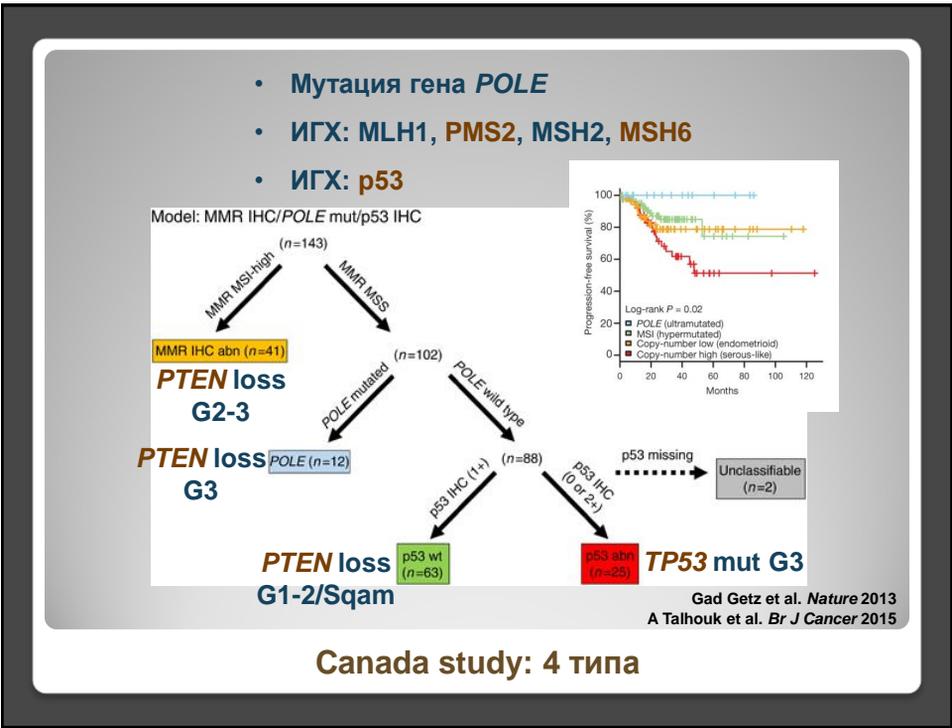


W Chen et al. Int J Gynecol Pathol 2013

Рак эндометрия high grade







The image is a composite of four panels. The top-left panel shows a histological section stained with H&E. The top-right panel shows immunohistochemical staining for p53, with a label 'p53' in the bottom right corner. The bottom-left panel shows immunohistochemical staining for PTEN, with a label 'PTEN' in the bottom center. The bottom-right panel shows immunohistochemical staining for p16, with a label 'p16' in the bottom right corner. A central text box with a semi-transparent background contains the text 'dMMR = MSI' in red.

dMMR = MSI

Эндометриоидная АК: MSI

