

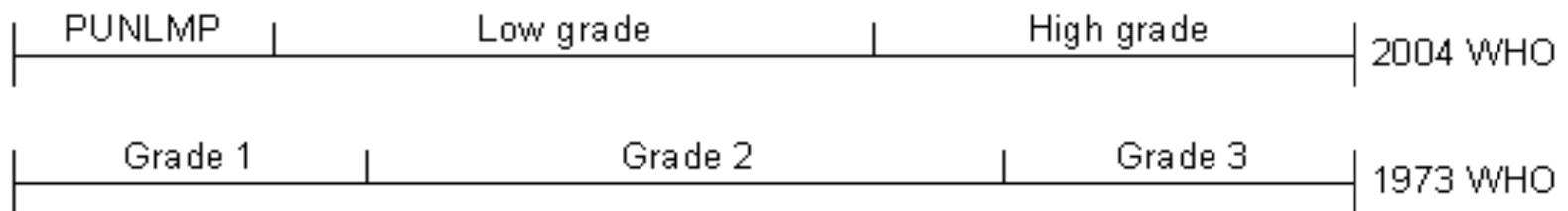
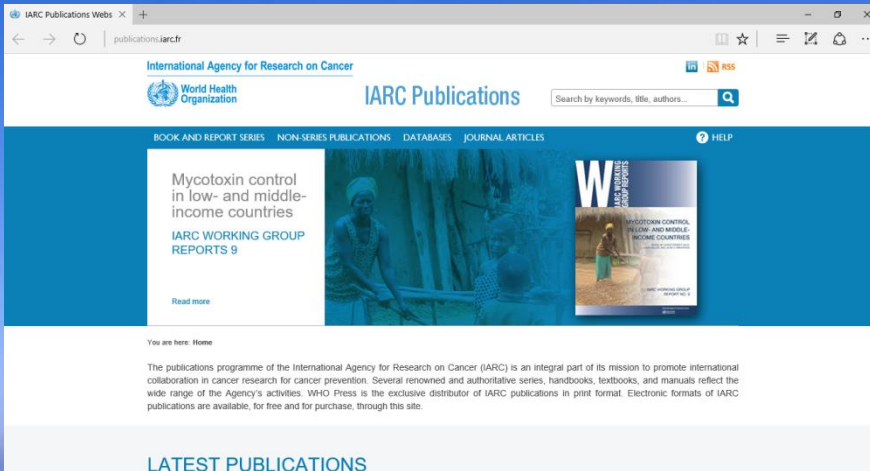
**ΑΝΤΙΜΕΤΩΠΙΣΗ  
ΠΑΡΑΚΟΛΟΥΘΗΣΗ ΟΓΚΩΝ  
ΚΥΣΤΕΩΣ ΧΑΜΗΛΟΥ  
ΚΙΝΔΥΝΟΥ**

Κορτσιάδης Γιώργος  
Νοσοκομείο Μεταξά

# Κατηγοριοποίηση βάση της επικινδυνότητα του νεοπλασματος για υποτροπή και πρόοδο της νόσου

Risk group stratification	Characteristics
Low-risk tumours	Primary, solitary, Ta, G1 (LG), < 3 cm, no CIS
Intermediate-risk tumours	All tumours not defined in the two adjacent categories (between the category of low- and high-risk)
High-risk tumours	Any of the following: <ul style="list-style-type: none"><li>• T1 tumour</li><li>• G3 (HG) tumour</li><li>• CIS</li><li>• Multiple and recurrent and large (&gt; 3 cm) Ta G1G2 tumours (all conditions must be presented in this point)</li></ul>

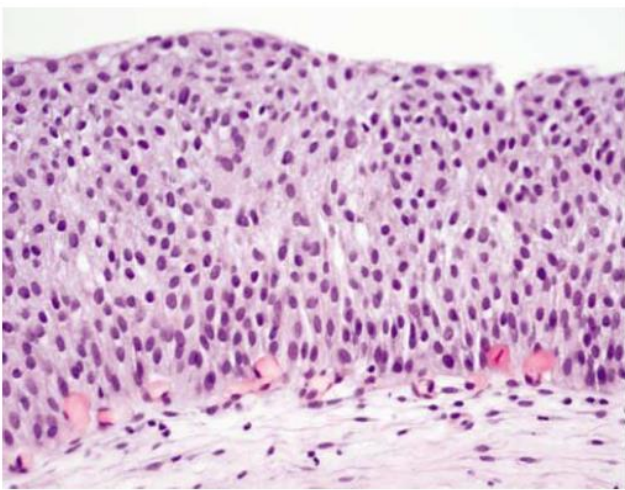
# ΣΤΑΔΙΟΠΟΙΗΣΗ



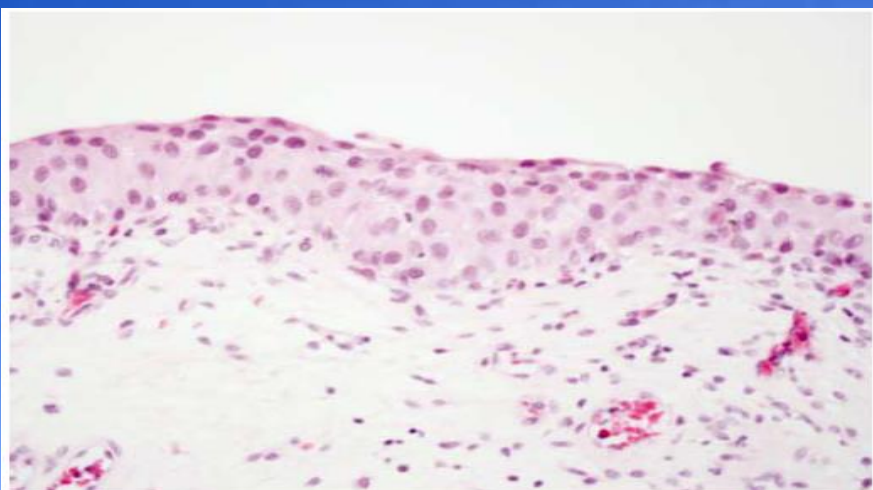
Histologic spectrum of TCC

# WHO ΚΑΤΗΓΟΡΙΟΠΟΙΗΣΗ 2016

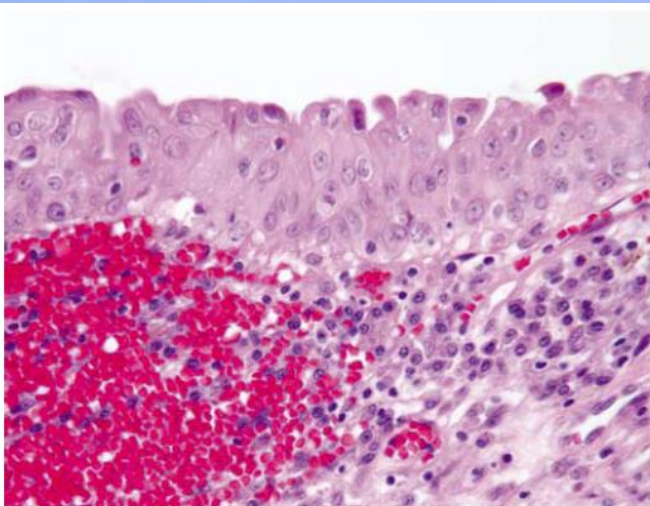
Third edition [51]:	Fourth edition [1]:
<i>Noninvasive urothelial lesions</i>	<i>Noninvasive urothelial lesions</i>
Urothelial carcinoma in situ	Urothelial carcinoma in situ
Papillary urothelial carcinoma, low grade	Papillary urothelial carcinoma, low grade
Papillary urothelial carcinoma, high grade	Papillary urothelial carcinoma, high grade
Papillary urothelial neoplasm of low malignant potential	Papillary urothelial neoplasm of low malignant potential
Urothelial papilloma	Urothelial papilloma
Inverted urothelial papilloma	Inverted urothelial papilloma
	Urothelial proliferation of uncertain malignant potential (hyperplasia)
	Urothelial dysplasia



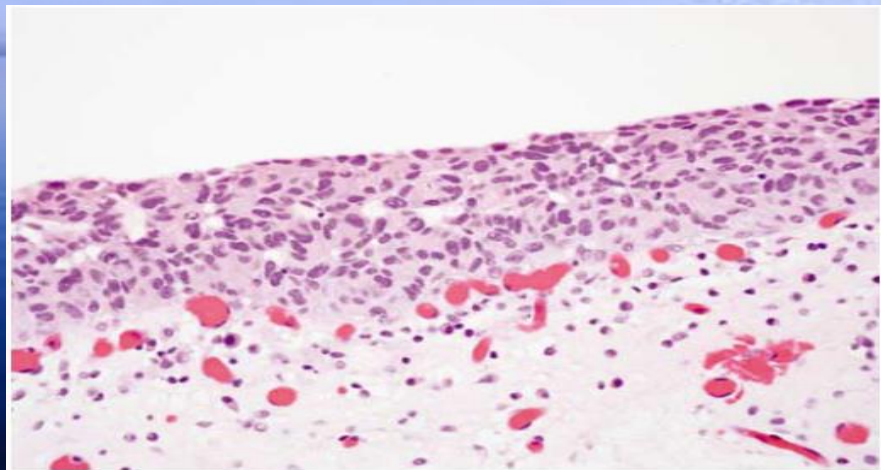
**Figure 1** Urothelial hyperplasia. The urothelium is markedly thickened without significant architectural or cytologic abnormalities.



**Figure 3** Urothelial dysplasia. There is mild nuclear enlargement with a somewhat haphazard distribution of nuclei within the urothelium. Note the mitotic figure in the upper level of the urothelium.



**Figure 2** Reactive urothelial atypia. The nuclei are mildly enlarged, rounded and have small nucleoli. Note the intense chronic inflammatory infiltrate in the lamina propria.



**Figure 4** Urothelial carcinoma *in situ*. There is moderate nuclear enlargement and pleomorphism with a completely haphazard arrangement of the cells within the urothelium. A lesion similar to this may have been classified as moderate to severe dysplasia in the past but now it is included in the carcinoma *in situ* category.

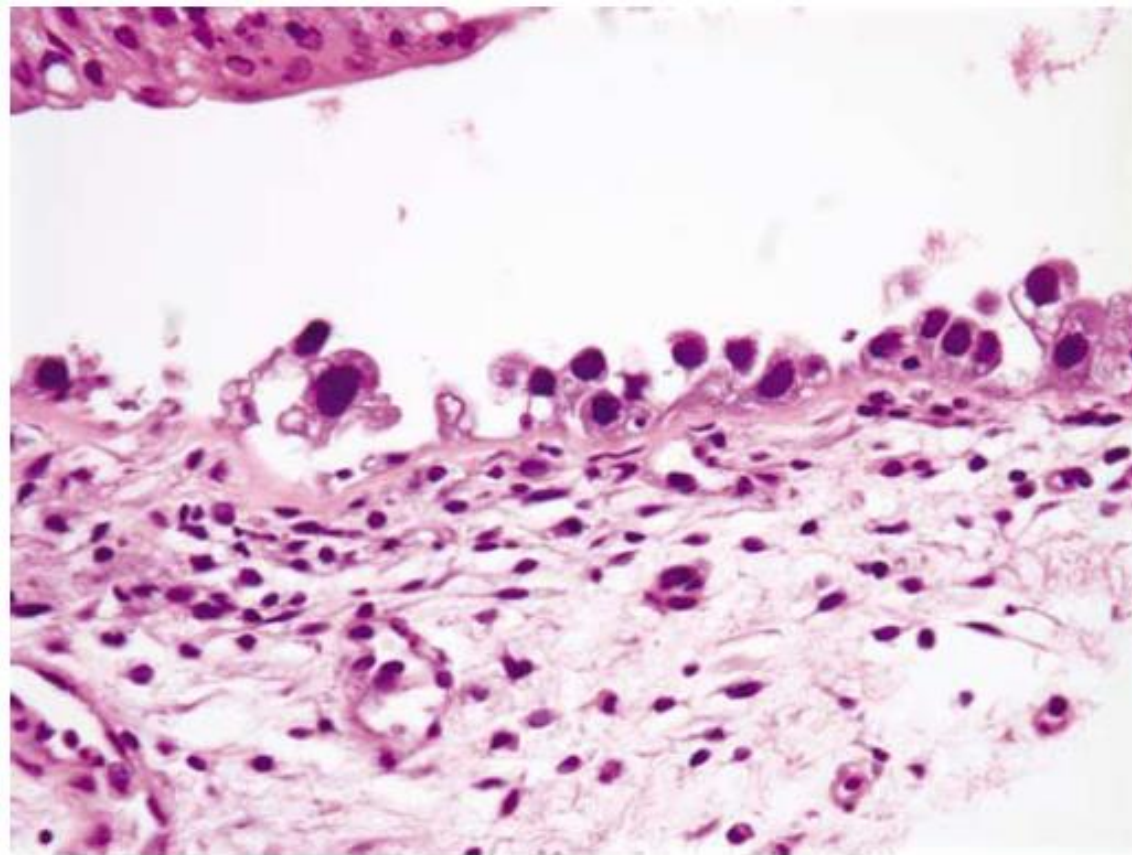


Figure 6 Urothelial carcinoma *in situ*. The denuding pattern is characterized by poorly cohesive cells that typically have large, pleomorphic and hyperchromatic nuclei.

# EORTC & CUETO

EORTC Risk Tables For Stage Ta T1 Bladder Cancer

### EORTC Risk Tables for Stage Ta T1 Bladder Cancer

Prior Recurrence Rate

- Primary
- Recurrent <= 1 per year
- Recurrent > 1 per year

Number of Tumors

- 1
- 2 to 7
- 8 or more

Tumor Diameter

- < 3 cm
- >= 3 cm

T Category

- Ta
- T1

Grade (WHO 1973)

- G1
- G2
- G3

Concomitant CIS

- No
- Yes

Calculate Probabilities      Clear      Exit

	1 Year	2 Years	3 Years	4 Years	5 Years
Probability of Recurrence	0.15	0.21	0.25	0.28	0.31
Probability of Progression	0.002	0.002	0.008	0.008	0.008

Reference: Sylvester RJ, van der Meijden APM, Oosterlinck W, Witjes JA, Bouffieux C, Denis L, Newling DWW, Kurth KH. Predicting recurrence and progression in individual patients with stage Ta T1 bladder cancer using EORTC risk tables: A combined analysis of 2596 patients from 7 EORTC trials. European Urology 49: 466-477, 2006.

Programmed by Richard Sylvester, EORTC Data Center, 83 avenue Mounier, 1200 Brussels, Belgium.

Version 1.0, January 2006

El MODELO CUETO DE PUNTAJES English

Factor		Puntuación	
		Recurrencia	Progresión
Sexo	<input checked="" type="radio"/> Hombre	0	0
	<input type="radio"/> Mujer	3	0
Edad (apos)	<input checked="" type="radio"/> Menor que 60	0	0
	<input type="radio"/> De 60 a 70	1	0
	<input type="radio"/> Mayor que 70	2	2
Tumor recurrente	<input checked="" type="radio"/> No	0	0
	<input type="radio"/> Sv	4	2
NT tumores	<input checked="" type="radio"/> Menor o igual a 3	0	0
	<input type="radio"/> Mayor que 3	2	1
Categoría T	<input checked="" type="radio"/> Ta	0	0
	<input type="radio"/> T1	0	2
Tis asociado	<input checked="" type="radio"/> No	0	0
	<input type="radio"/> Sv	2	1
Grado	<input checked="" type="radio"/> G1	0	0
	<input type="radio"/> G2	1	2
	<input type="radio"/> G3	3	6
<b>Puntuaciones totales</b>		<b>0</b>	<b>0</b>

**Probabilidad de recurrencia y progresión a 1, 2 y 5 apos por puntuación total**

Tiempo	Recurrencia (0-4)		Progresión (0-4)	
	Prob. (%)	I.C. 95% (L.Inf-L.Sup)	Prob. (%)	I.C. 95% (L.Inf-L.Sup)
1 apo	8.24	(5.91-10.57)	1.17	(0.15- 2.19)
2 apos	12.60	(9.76-15.44)	2.16	(0.77- 3.55)
5 apos	20.98	(17.33-24.63)	3.76	(1.90- 5.62)

# Φυσική εξέλιξη των νεοπλασμάτων χαμηλού κινδύνου

5 ετία

TABLE 4. Frequency of tumor recurrence and treatments by tumor type

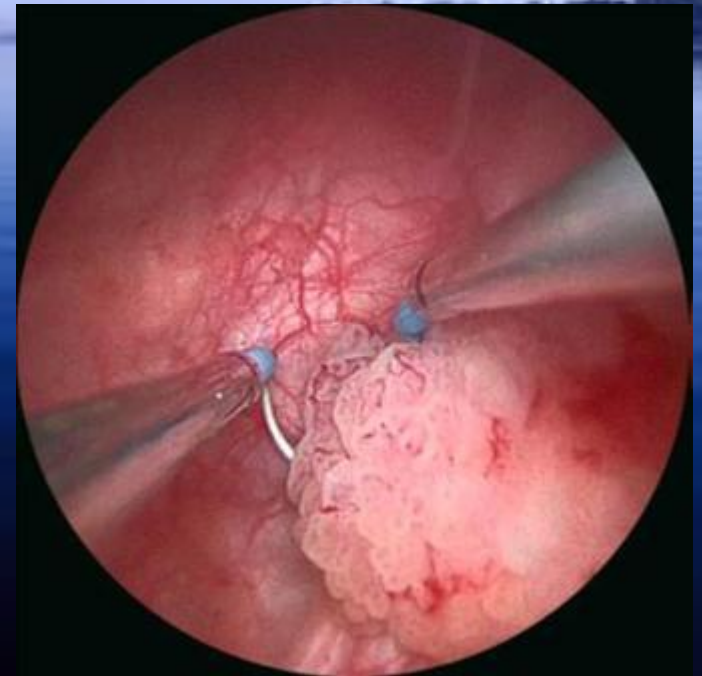
	Mean Recurrence (range)*	Mean Tumors/Yr (range)	Mean TURs (range)	Mean TURs/Yr (range)	Mean Fulgurations (range)	Mean Fulgurations/Yr (range)
Papilloma	1.2 (0-12)	0.12 (0-1.2)	0.2 (0-2)	0.02	1.0 (0-10)	0.11
PUNLMP	1.7 (0-10)	0.20 (0-1.0)	0.37 (0-2)	0.06	1.3 (1-8)	0.19
TaLG	4.7 (0-19)	0.62 (0-3.4)	1.6 (0-8)	0.27	3.1 (0-16)	0.47
p Value	0.01	0.001	0.003	0.01	0.01	0.02
Totals						
All pts	4.1	0.53 (0-3.4)	1.4 (0-8)	0.22 (0-3)	2.7 (0-16)	0.41 (0-2.2)
Pts with recurrence	6.2 (1-19)	0.79 (0.1-3.4)	2.1 (0-8)	0.34 (0-3)	4.1 (0-16)	0.61 (0-2.2)

\* Mean number of positive cystoscopies for tumor recurrence.



# Φυσική εξέλιξη των νεοπλασμάτων χαμηλού κινδύνου

τουλάχιστον μία διουρηθρική κάθε 3 χρόνια



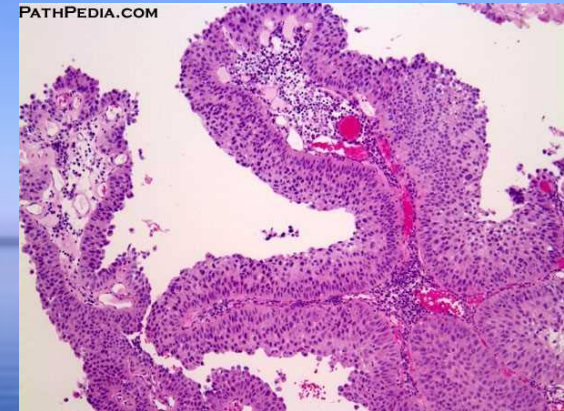
# Φυσική εξέλιξη των νεοπλασμάτων χαμηλού κινδύνου

Έίναι σπάνια η πρόοδος της νόσου για τα νεοπλάσματα χαμηλού κινδύνου υποτροπής

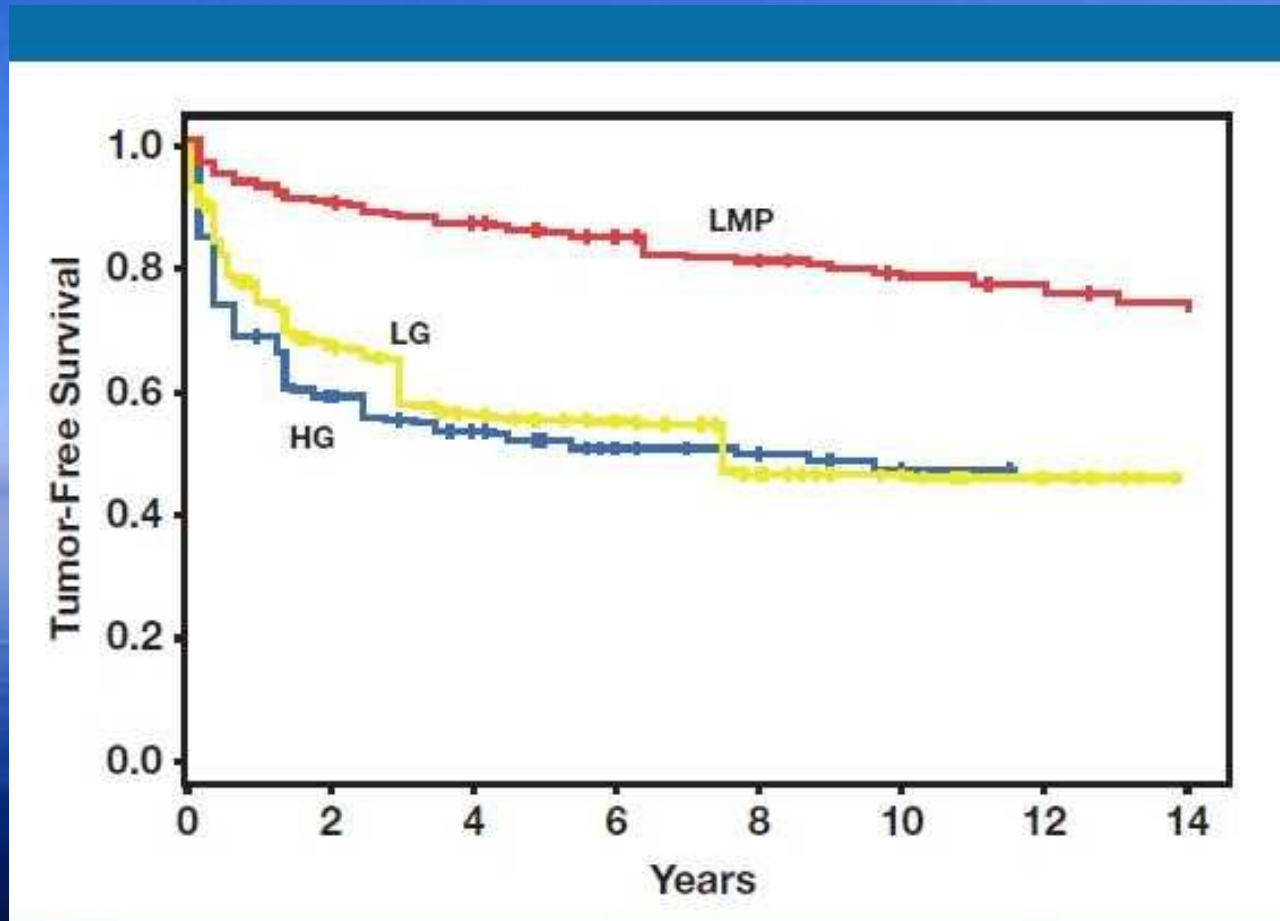
Μόνο **8%** για τα pTaG1 στην 5ετία

Σχεδόν **μηδενική** για τα PUNLMP

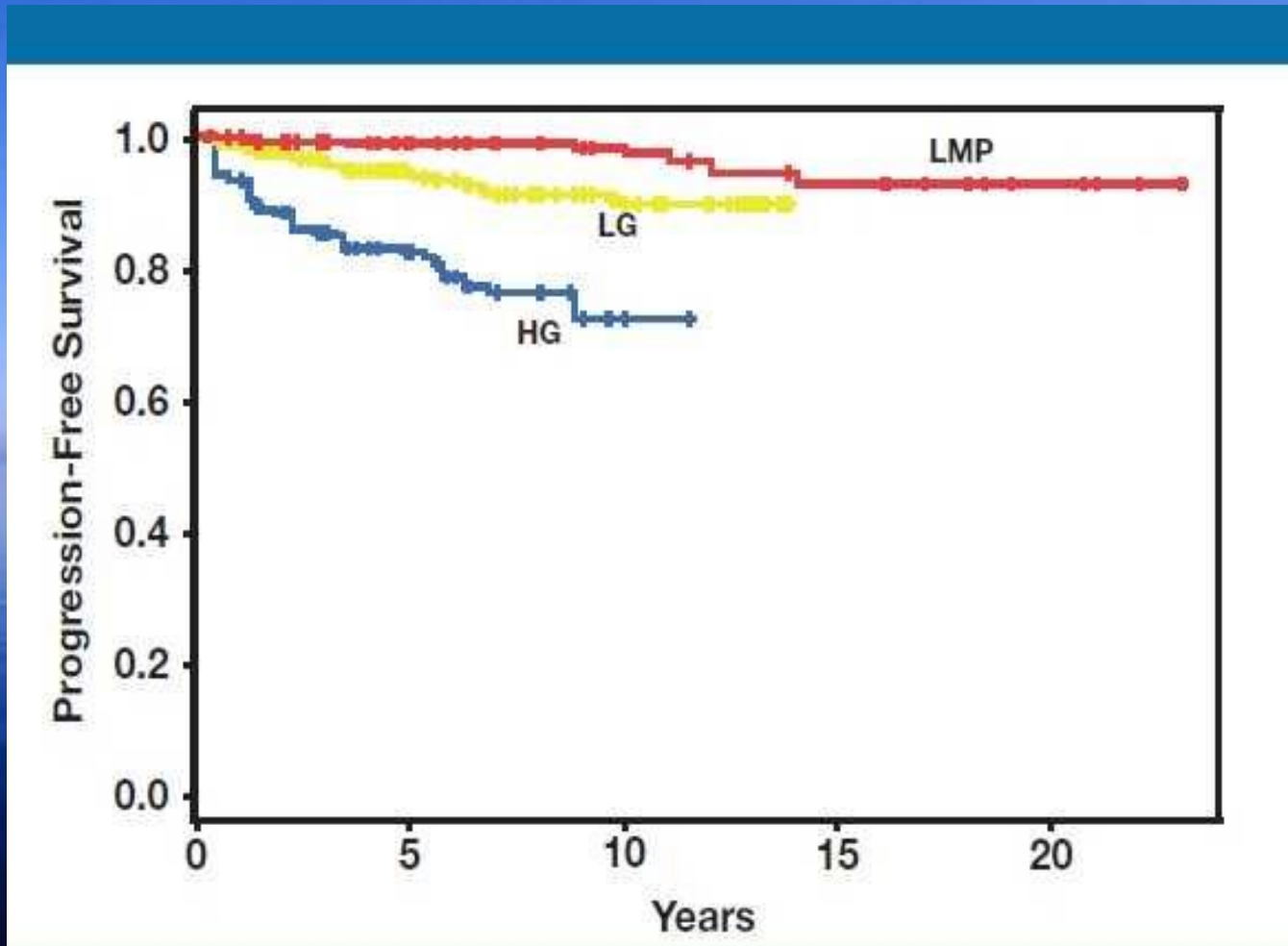
**<8%** θα αναπτύξει TCC στην ανώτερη αποχετευτική μοίρα από τα pTa



A Kaplan-Meier plot of the probability of being tumor free vs years of follow-up for all patients, regardless of their tumor grade. For this analysis, there were 4,050 patients.



A Kaplan-Meier plot of the probability of being tumor free vs years of follow-up for all patients, regardless of their tumor grade. For this analysis, there were 4,050 patients.



## EORTC Risk Tables for Stage Ta T1 Bladder Cancer

Prior Recurrence Rate

- Primary
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Number of Tumors

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- 2 to 7
- 8 or more

Tumor Diameter

- $<$  3 cm
- $\geq$  3 cm

T Category

- Ta
- T1

Grade (WHO 1973)

- G1
- G2
- G3

Concomitant CIS

- No
- Yes

Calculate Probabilities

Clear

Exit

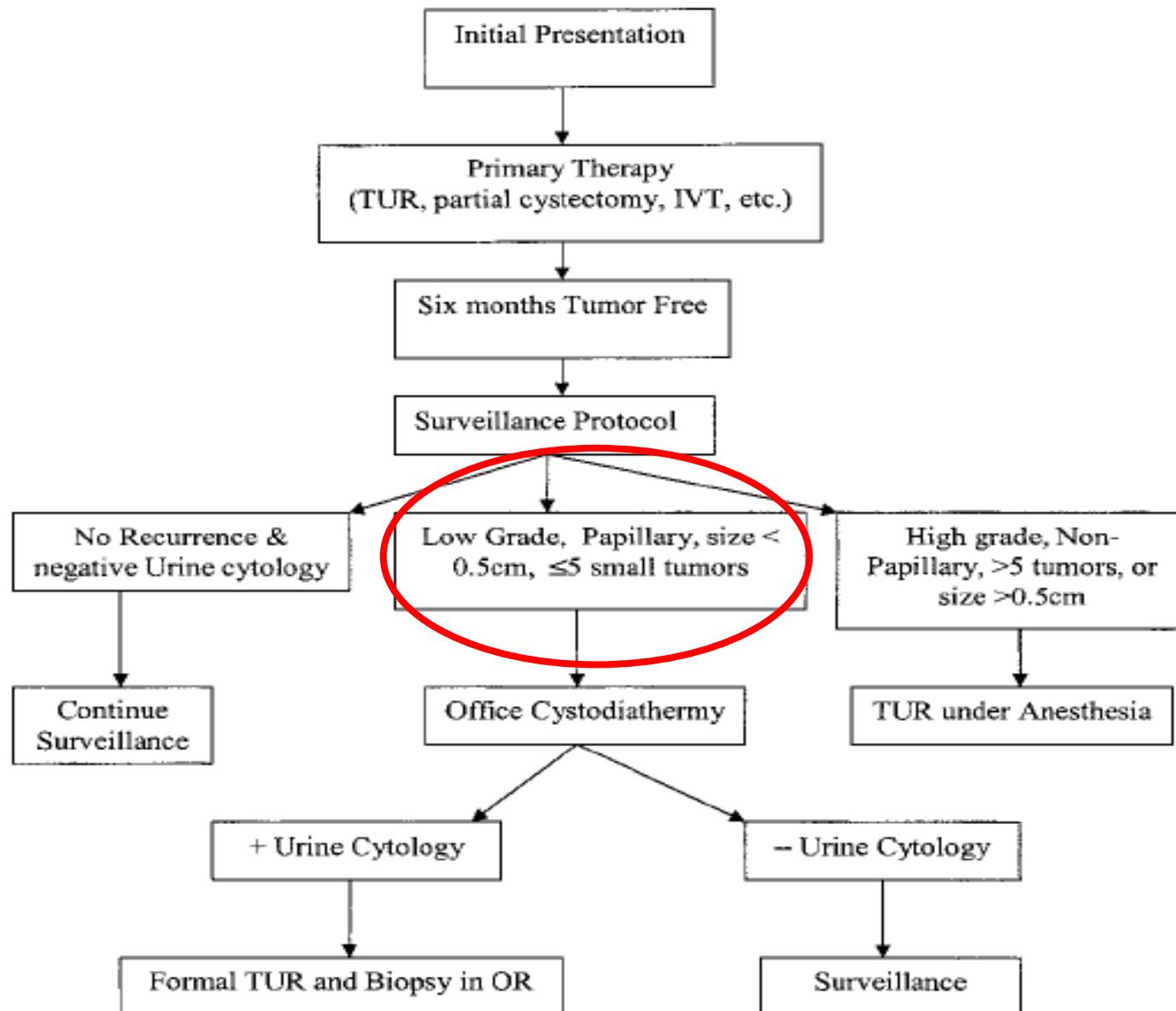
	1 Year	2 Years	3 Years	4 Years	5 Years
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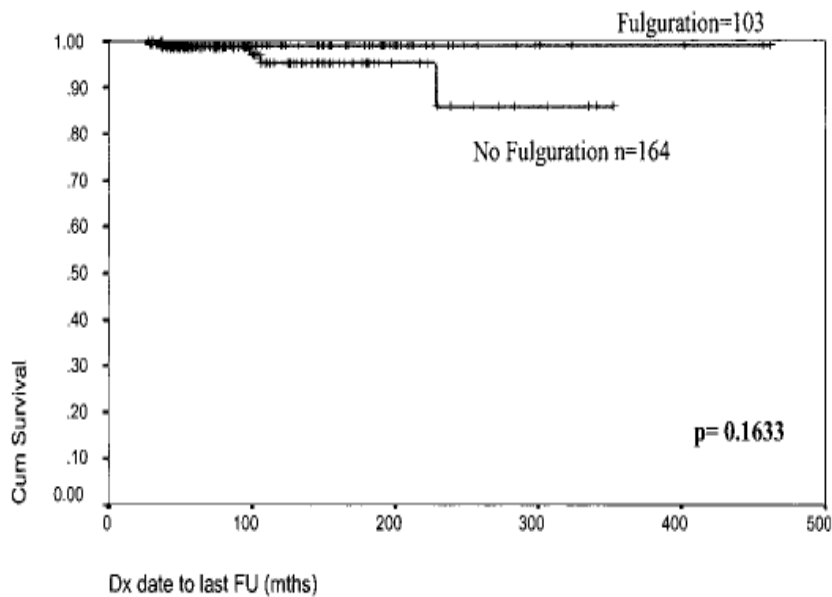
Programmed by Richard Sylvester, EORTC Data Center, 83 avenue Mounier, 1200 Brussels, Belgium.

Version 1.0, January 2006

# Office fulguration

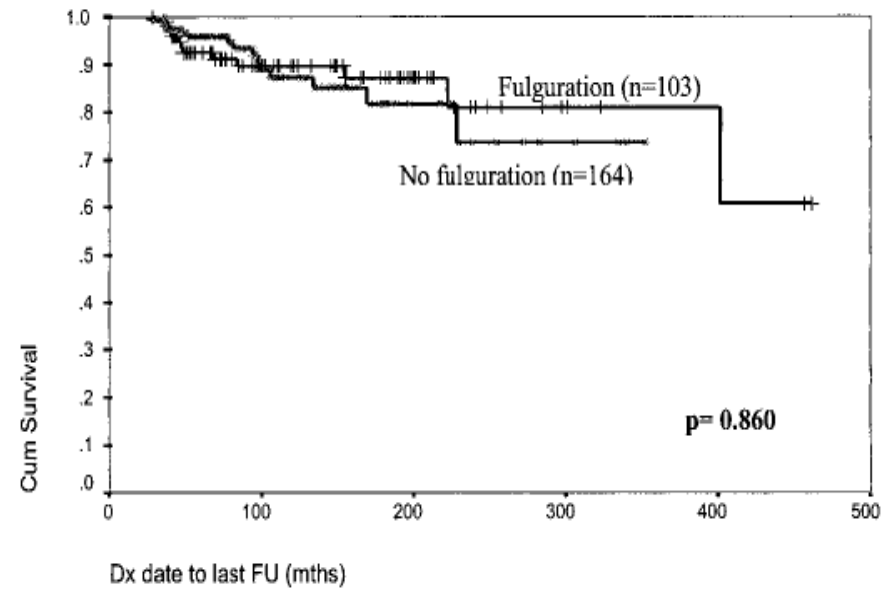


# OFFICE FULGURATION



**DSS**

the period after curative when no disease



**PROGRESION**

# Μπορούμε να στηριχτούμε στην κυστεοσκόπηση για το τελικό αποτέλεσμα της ιστολογικής ?

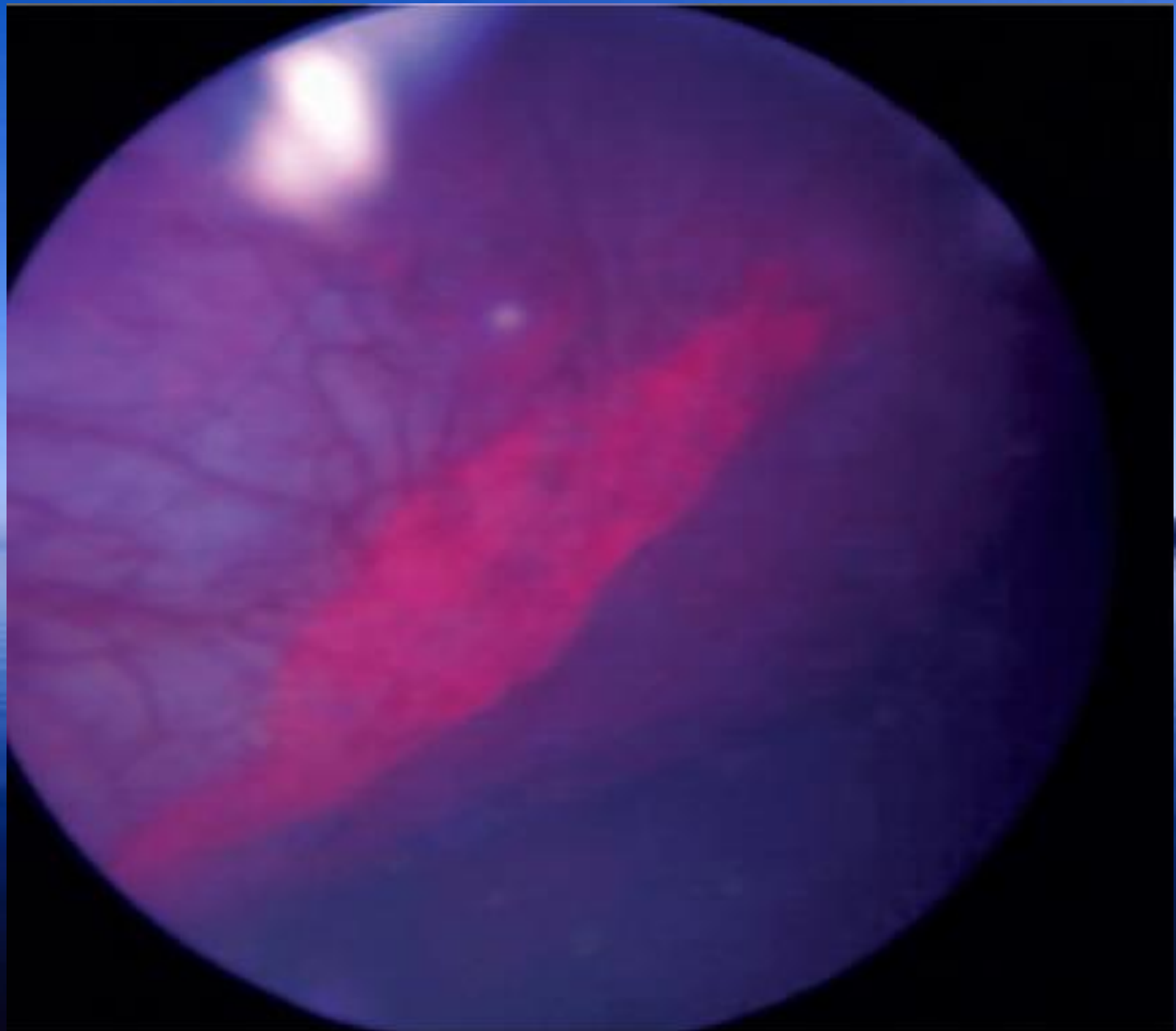
Τα μονήρη μικρών διαστάσεων **low Grade**  
νεοπλάσματα μπορούν να αναγνωριστούν με  
ακρίβεια **93%**

αν προστεθεί και η κυττ. Ούρων τότε σχεδόν  
σίγουρα μπορείς να προδικάσεις την τελική  
ιστολογική

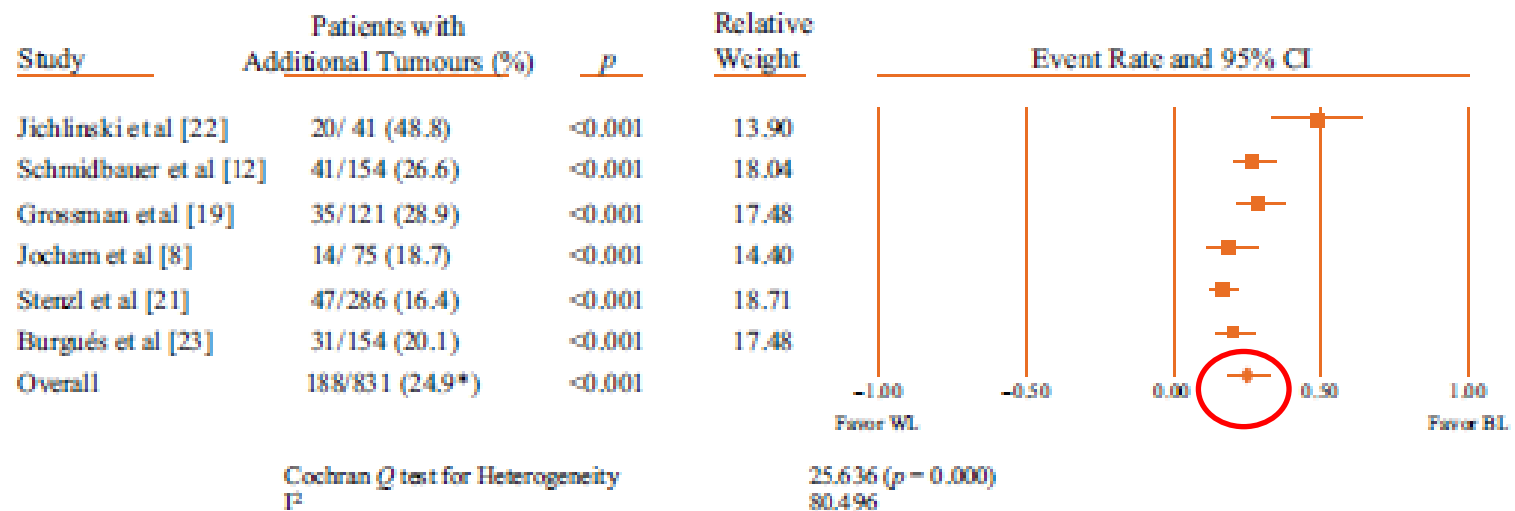


# Η κυστεοσκόπηση έχει ευαισθησία και ειδικότητα

- Μπορεί να χάσει ένα **22.6%** νεοπλασμάτων **pTa** και **T1**
- και **25%** των in CIS



# Αναγνωρίζει περισσότερα pTa-pT1

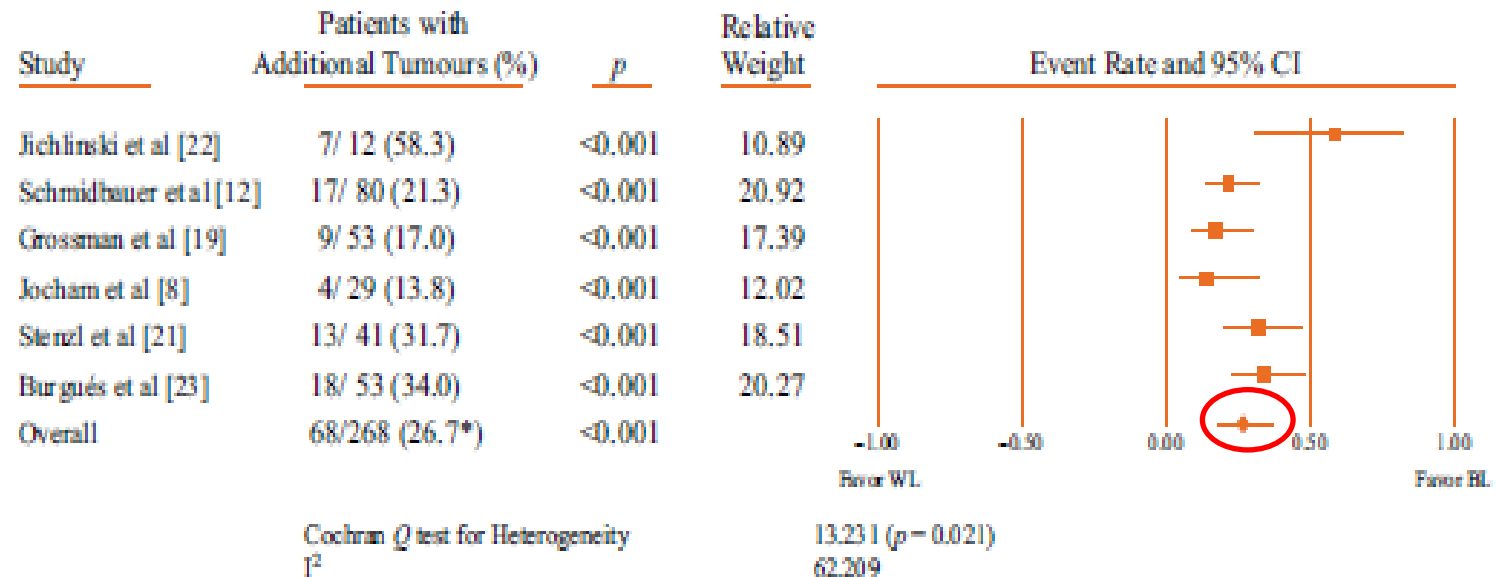


\*Weighted overall results from the random-effects meta analysis.

The population used for this analysis consists of those patients with at least one Ta or T1 lesion.

Fig. 2 - Meta-analysis: patients with at least one Ta or T1 lesion seen only with blue light (BL). CI = confidence interval; WL = white light.

# CIS

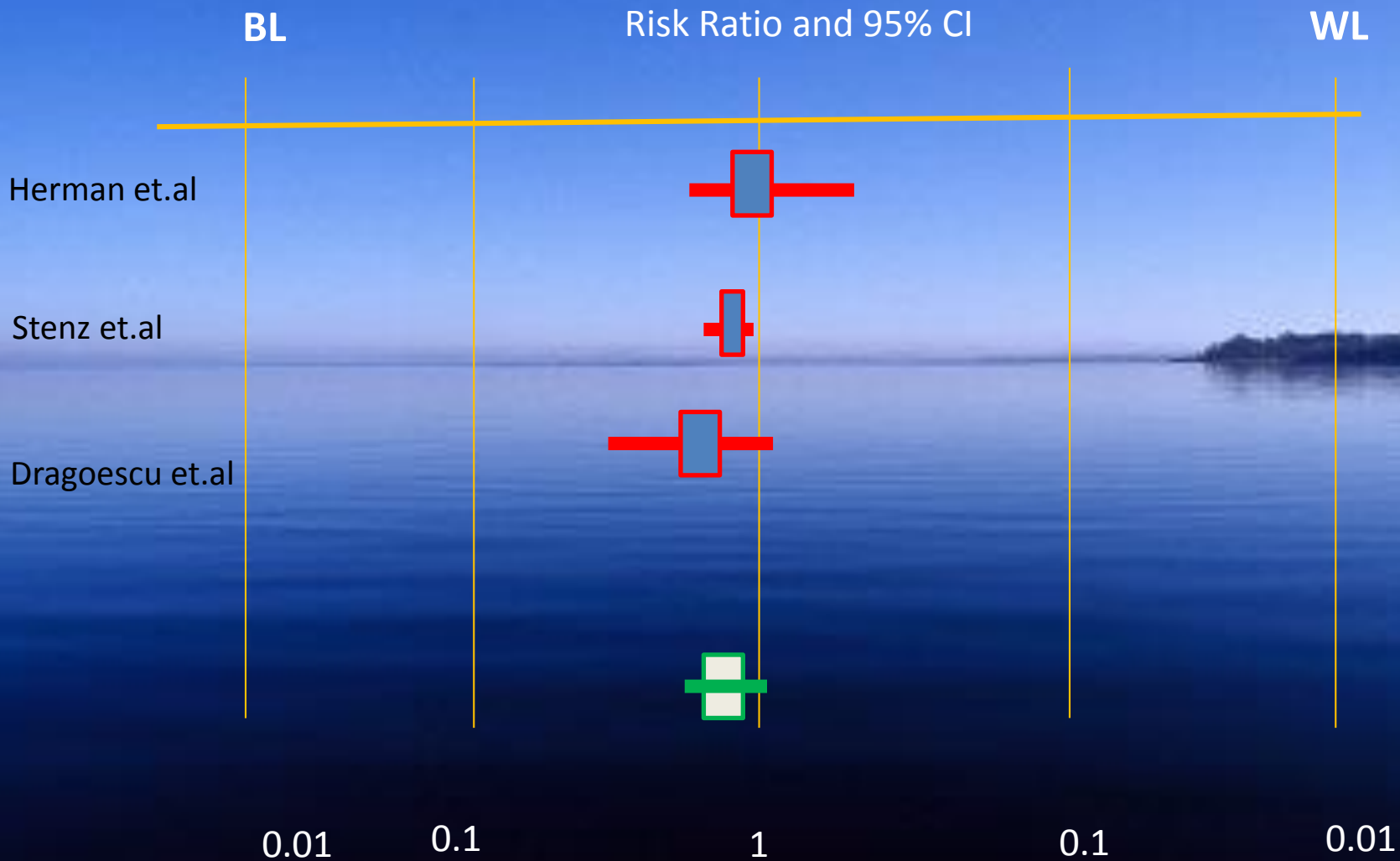


\*Weighted overall results from the random-effects meta-analysis.

The population used for this analysis consists of those patients with at least one CIS lesion.

Fig. 3 - Meta-analysis: patients with at least one carcinoma in situ (CIS) lesion seen only with blue light (BL) where no CIS lesions were seen with white light (WL). CI = confidence interval.

# Meta-analysis Υποτροπή στους 12 μήνες



# Υποτροπή

Table 6 – Overall recurrence rates up to 12 months

	Patients treated with BL, n (%)	Patients treated with WL, n (%)	Total	Follow-up period
Hermann et al. [24]	27/68 (39.7)	38/77 (49.4)	145	12 mo
Stenzl et al. [21]	72/200 (36.0)	92/202 (45.5)	402	9 mo
Drăgoescu et al. [25]	8/42 (19.0)	17/45 (37.8)	87	12 mo
Total	107/310 (34.5)	147/324 (45.4)	634*	p = 0.006; RR = 0.761 (0.627-0.924)
At least one T1 or CIS	26/74 (35.1)	45/87 (51.7)	161*	p = 0.052; RR = 0.696 (0.482-1.003)
At least one Ta	92/256 (35.9)	119/268 (44.4)	524*	p = 0.040; RR = 0.804 (0.653-0.991)
High-risk subgroup	46/126 (36.5)	70/144 (48.6)		p = 0.05; RR = 0.752 (0.565-1.000)
Intermediate-risk subgroup	43/95 (45.3)	40/74 (54.1)		p = 0.246; RR = 0.836 (0.617-1.132)
Low-risk subgroup	14/78 (17.9)	34/98 (34.7)		p = 0.029; RR = 0.561 (0.334-0.944)

BL = blue light; CIS = carcinoma in situ; RR = risk ratio; WL = white light.

Some patients appear in both subgroups (at least one T1 or CIS and at least one Ta).

# ΠΡΟΟΔΟΣ ΤΗΣ ΝΟΣΟΥ

## OS and CSS

### 5.1.3 PFS at 12 months

Drăgoescu 2011 et al.	20	22	21	22	9.7%	0.95 [0.81, 1.12]
Schumacher 2010 et al.	123	138	128	141	40.8%	0.98 [0.91, 1.06]
Stenzl 2011 et al.	157	176	164	183	49.5%	1.00 [0.93, 1.07]
Subtotal (95% CI)		336		346	100.0%	0.99 [0.94, 1.04]

Total events

300 313

Heterogeneity:  $\text{Tau}^2 = 0.00$ ;  $\text{Chi}^2 = 0.26$ ,  $df = 2$  ( $P = 0.88$ );  $I^2 = 0\%$

Test for overall effect:  $Z = 0.57$  ( $P = 0.57$ )

### 5.1.4 PFS at 24 months

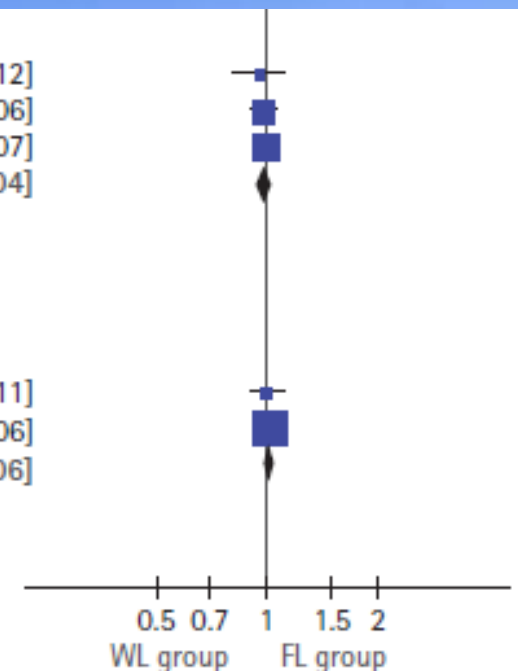
Babjuk 2005 et al.	55	60	57	62	11.6%	1.00 [0.90, 1.11]
Burger 2009 et al.	138	142	261	274	88.4%	1.02 [0.98, 1.06]
Subtotal (95% CI)		202		336	100.0%	1.02 [0.98, 1.06]

Total events

193 318

Heterogeneity:  $\text{Tau}^2 = 0.00$ ;  $\text{Chi}^2 = 0.18$ ,  $df = 1$  ( $P = 0.67$ );  $I^2 = 0\%$

Test for overall effect:  $Z = 0.94$  ( $P = 0.35$ )



# BLUE LIGHT ΠΟΤΕ ?

ΣΤΗΝ ΠΡΩΤΗ TUR-BT

ΠΟΛΥΕΣΤΙΑΚΟ

ΣΤΑ IN CITU



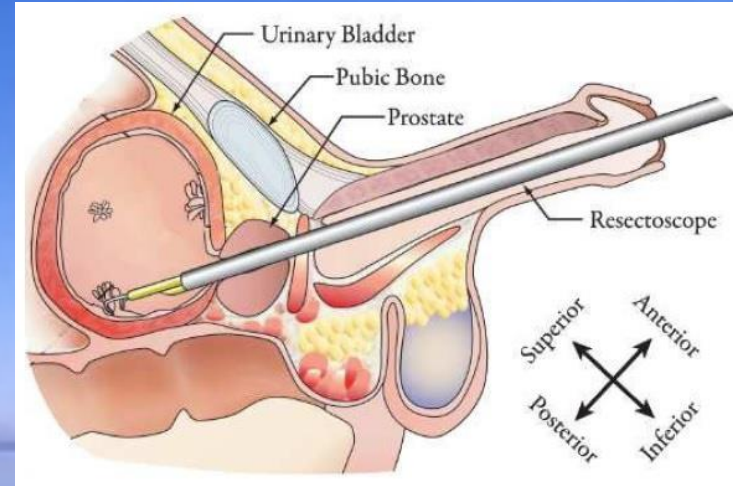
# Gold standard Tur-BT



# Tur bt

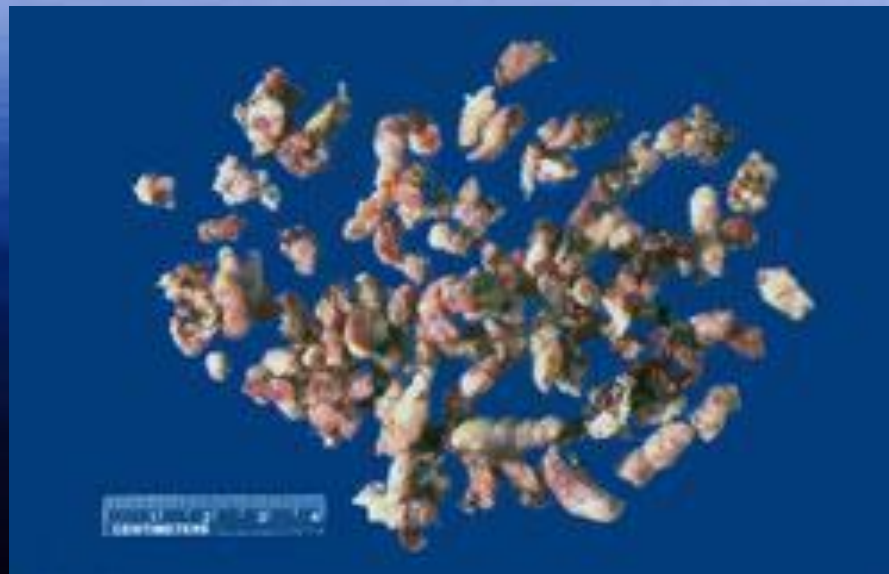
## Ογκολογική επέμβαση

- Ριζικός στην αντιμετώπιση
- Θεραπευτικός
- Χωρίς επιπλοκές



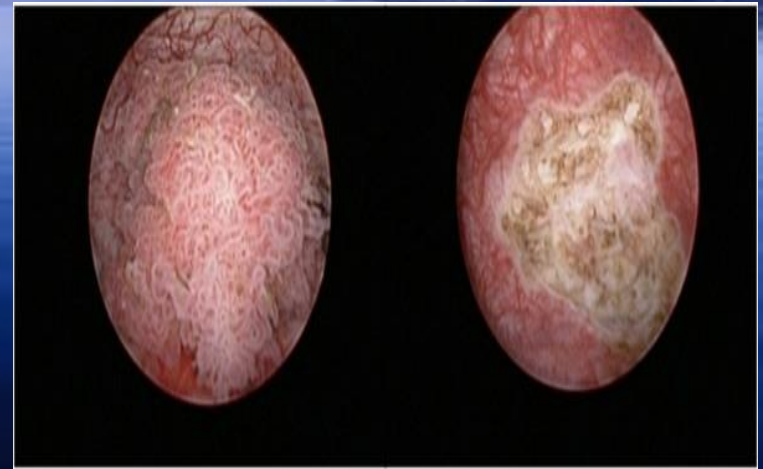
# Tur BT

Η μοναδική ογκολογική επέμβαση που το νεόπλασμα αφαιρείται σε πολλαπλά τεμάχια και όχι en block

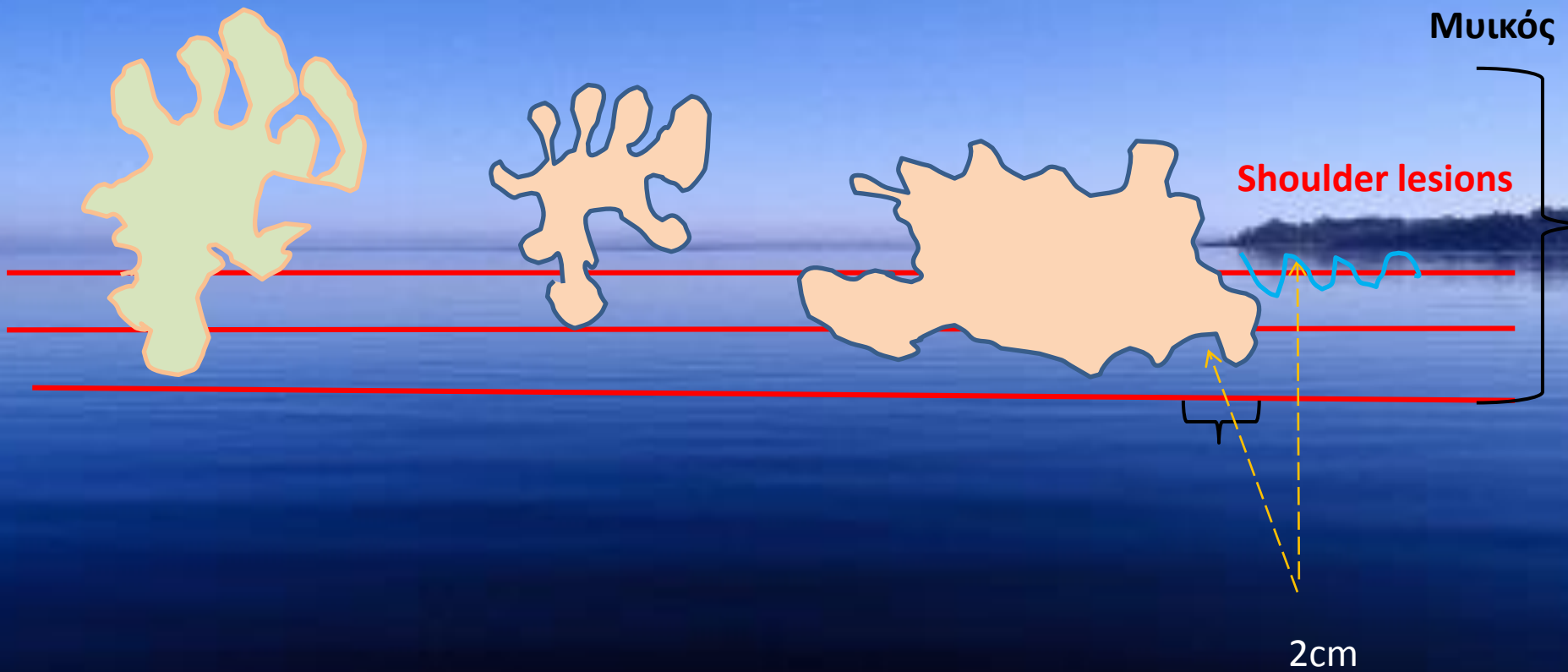


# Βασικές αρχές

- >1 cm μπορεί να αφαιρεθεί en block
- Η διουρηθρική μας επεκτείνεται 2cm στην περιφέρεια
- Νεόπλασμα από διαφορετικές θέσεις στέλνονται διαφορετικά
- Αν δεν έχουμε μυικό επιστρέφουμε σε 6 w (βασική προϋπόθεση να μην υπάρχει υπολοιπόμενος όγκος)
- Σε μεγαλύτερα νεοπλάσματα η βάση πρέπει να στέλνεται ξεχωριστά

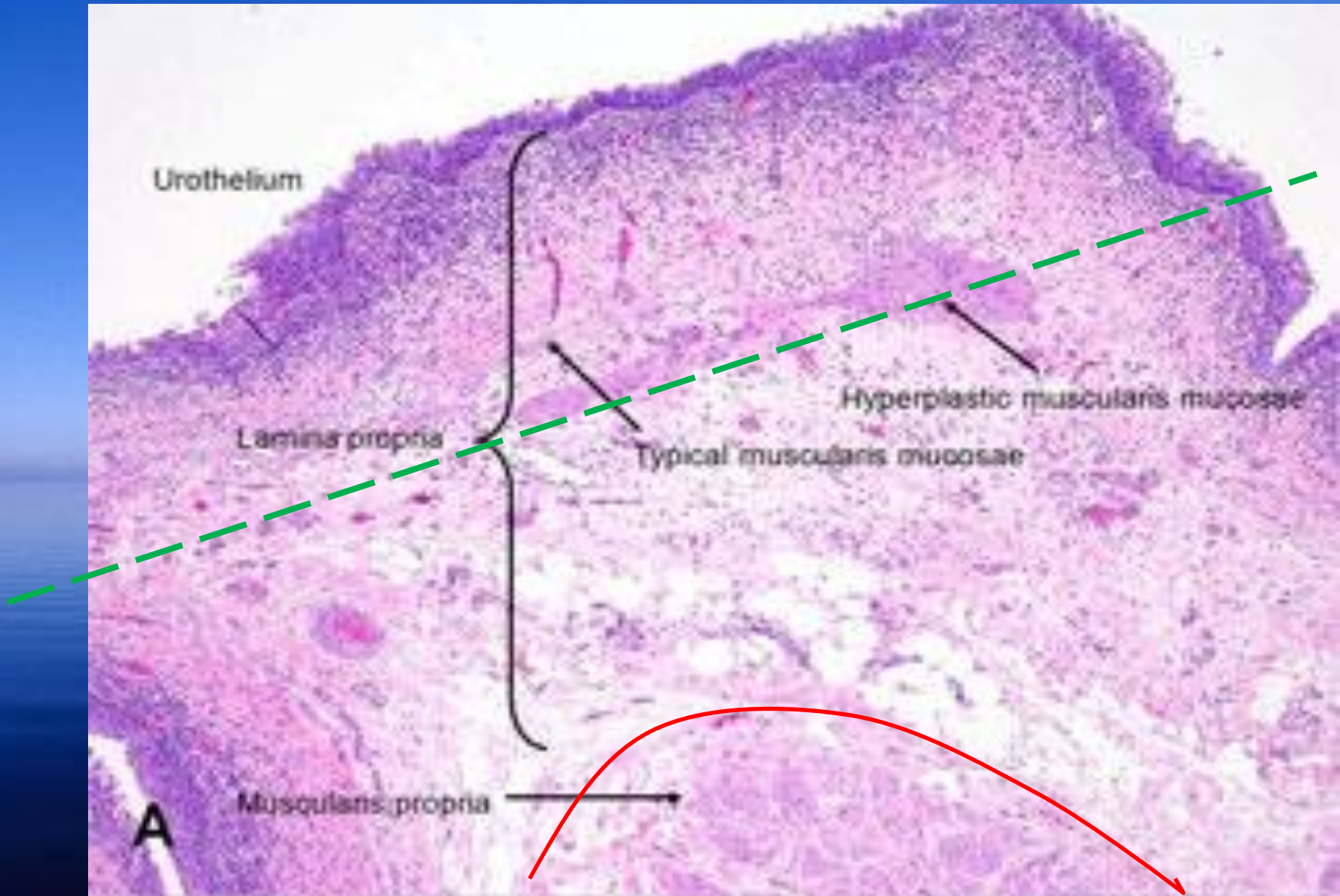


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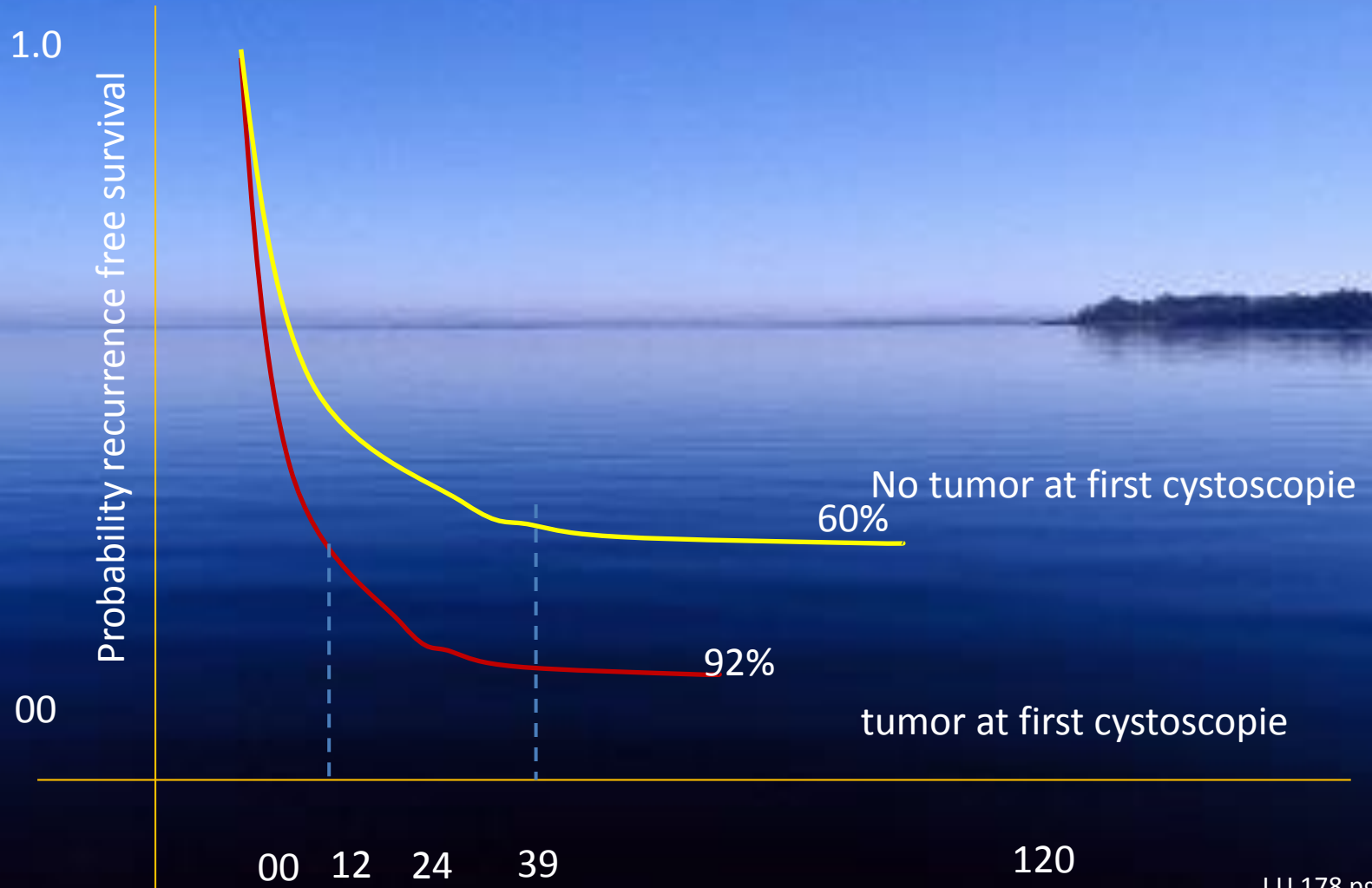


# pTa

«Interobserver variability in diagnosing lamina propria invasion is substantial, **35%** of carcinomas initially diagnosed as stage **pT1** were downstaged to **pTa**, and **3%** were upstaged as **pT2-4** carcinomas»



# Σημασία της κυστεοσκόπησης στους τρεις μήνες για τις υποτροπές στα pTa





# ΕΝΔΟΚΥΣΤΙΚΕΣ ΕΓΧΥΣΕΙΣ

Μια άμεση έγχυση χημειοθεραπευτικού

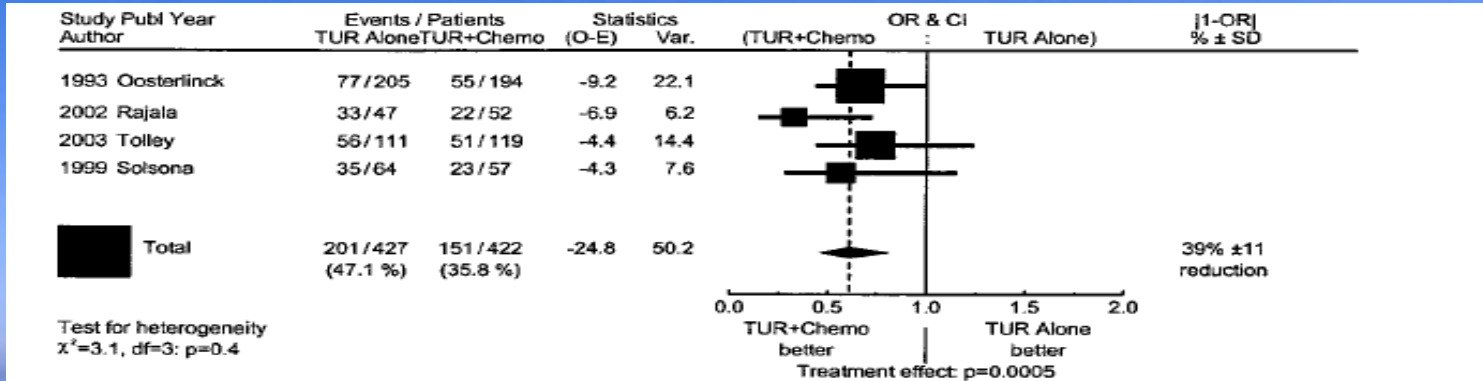


FIG. 4. Forest plot of recurrence in patients with single tumors

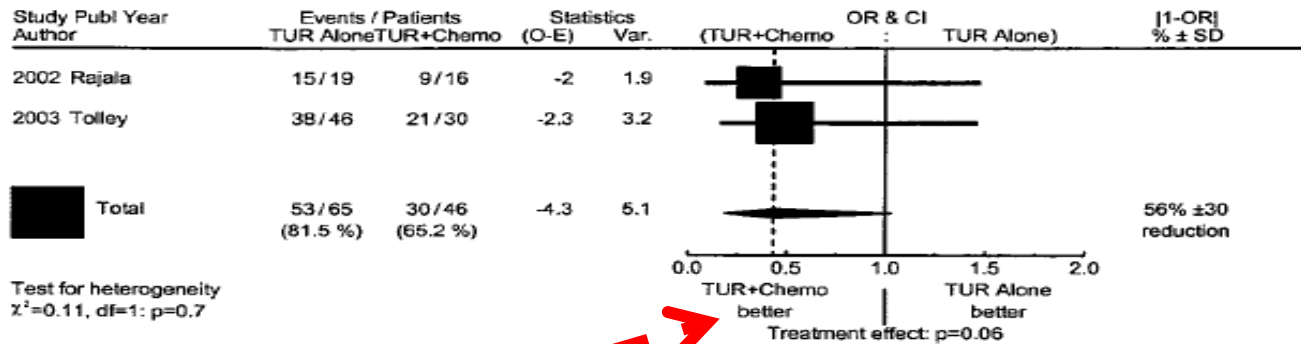


FIG. 5. Forest plot of recurrence in patients with multiple tumors

Platinum Priority – Guidelines

Editorial by J. Alfred Witjes on pp. 245–246 of this issue

## Systematic Review and Individual Patient Data Meta-analysis of Randomized Trials Comparing a Single Immediate Instillation of Chemotherapy After Transurethral Resection with Transurethral Resection Alone in Patients with Stage pTa–pT1 Urothelial Carcinoma of the Bladder: Which Patients Benefit from the Instillation?

Richard J. Sylvester<sup>a,\*</sup>, Willem Oosterlinck<sup>b</sup>, Sten Holmang<sup>c</sup>, Matthew R. Sydes<sup>d</sup>,  
Alison Birtle<sup>e</sup>, Sigurdur Gudjonsson<sup>f</sup>, Cosimo De Nunzio<sup>g</sup>, Kikuo Okamura<sup>h</sup>, Eero Kaasinen<sup>i</sup>,  
Eduardo Solsona<sup>j</sup>, Bedeir Ali-El-Dein<sup>k</sup>, Can Ali Tatar<sup>l</sup>, Brant A. Inman<sup>m</sup>, James N'Dow<sup>n</sup>,  
Jorg R. Oddens<sup>o</sup>, Marek Babjuk<sup>p</sup>

<sup>a</sup>EORTC Headquarters, Department of Biostatistics, Brussels, Belgium; <sup>b</sup>Ghent University Hospital, Department of Urology, Ghent, Belgium; <sup>c</sup>University of Gothenburg, Department of Urology, Gothenburg, Sweden; <sup>d</sup>Medical Research Council Clinical Trials Unit at University College London, Department of Cancer and Other Non-Infectious Diseases, London, UK; <sup>e</sup>Royal Preston Hospital, Rosemere Cancer Centre, Preston, UK; <sup>f</sup>Skane University Hospital, Department of Urology, Malmo, Sweden; <sup>g</sup>Ospedale Sant'Andrea, University "La Sapienza," Department of Urology, Rome, Italy; <sup>h</sup>Higashi Nagoya Hospital, Department of Urology, Nagoya, Japan; <sup>i</sup>Hyvinkaa Hospital, Department of Urology, Hyvinkaa, Finland; <sup>j</sup>Valencia Oncology Institute, Department of Urology, Valencia, Spain; <sup>k</sup>Urology and Nephrology Center, Mansoura University, Department of Urology, Mansoura, Egypt; <sup>l</sup>Turkiye Yuksek Ihtisas Education and Research Hospital, Department of Urology, Ankara, Turkey; <sup>m</sup>Duke University Medical Center, Division of Urology, Durham, NC, USA; <sup>n</sup>University of Aberdeen, Academic Urology Unit, Aberdeen, UK; <sup>o</sup>Jeroen Bosch Hospital, Department of Urology, 's-Hertogenbosch, The Netherlands; <sup>p</sup>Hospital Motol and Second Faculty of Medicine, Charles University, Department of Urology, Prague, Czech Republic

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James Catto

#### Keywords:

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Meta-analysis  
Non-muscle-invasive bladder cancer  
Single instillation  
Systematic review

### Abstract

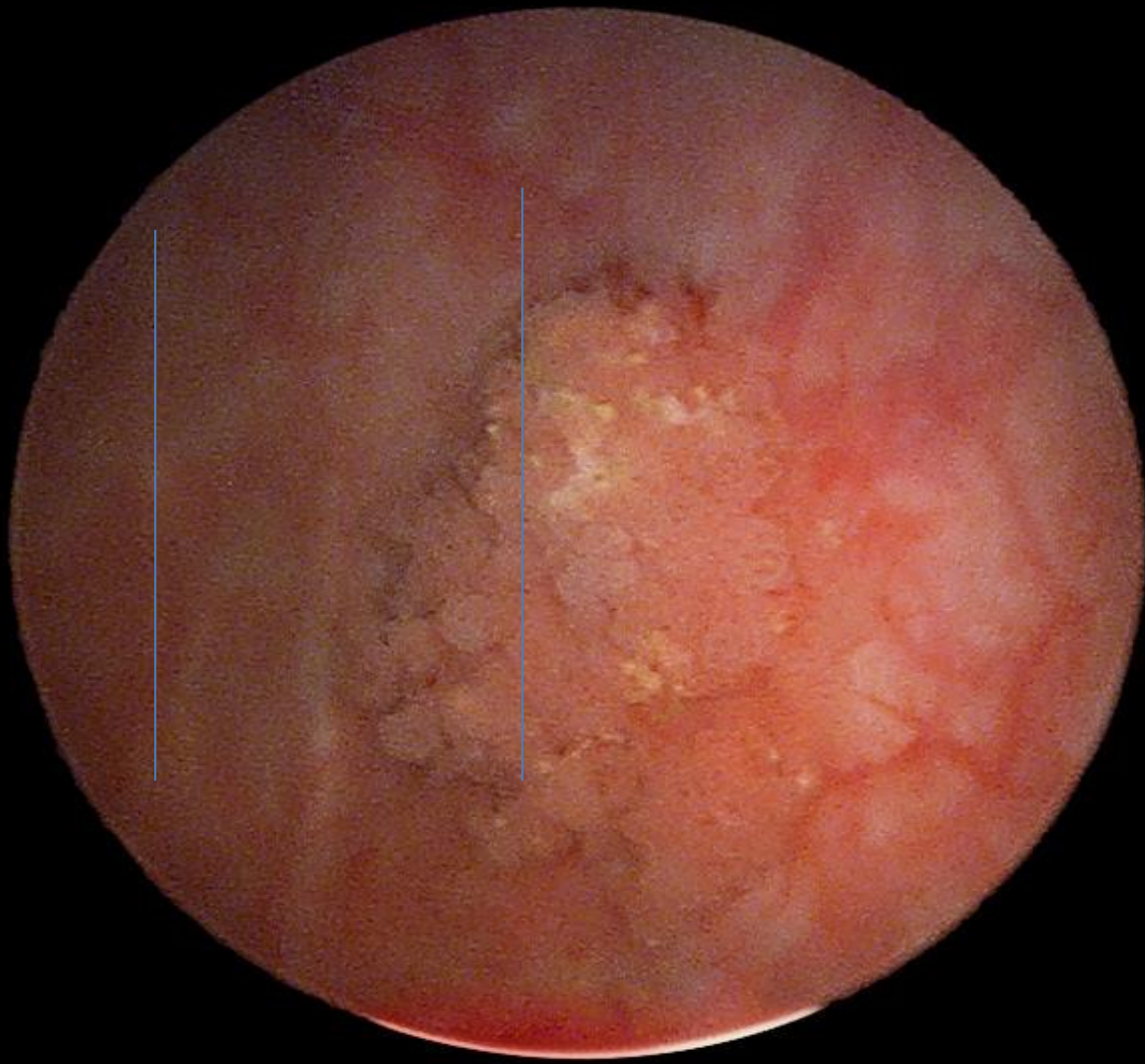
**Context:** The European Association of Urology non-muscle-invasive bladder cancer (NMIBC) guidelines recommend that all low- and intermediate-risk patients receive a single immediate instillation of chemotherapy after transurethral resection of the bladder (TURB), but its use remains controversial.

**Objective:** To identify which NMIBC patients benefit from a single immediate instillation.

**Evidence acquisition:** A systematic review and individual patient data (IPD) meta-analysis of randomized trials comparing the efficacy of a single instillation after TURB with TURB alone in NMIBC patients was carried out.

**Evidence synthesis:** A total of 13 eligible studies were identified. IPD were obtained for 11 studies randomizing 2278 eligible patients, 1161 to TURB and 1117 to a single instillation of epirubicin, mitomycin C, pirarubicin, or thiotepa. A total of 1128 recurrences, 108 progressions, and 460 deaths (59 due to bladder cancer [BCa]) occurred. A single instillation reduced the risk of recurrence by 35% (hazard ratio [HR]: 0.65; 95% confidence interval [CI], 0.58–0.74;  $p < 0.001$ ) and the 5-yr recurrence rate from 58.8% to 44.8%. The instillation did not reduce recurrences in patients with a prior recurrence rate

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<3mm

# ΧΡΟΝΟΣ ΣΤΗΝ ΠΡΩΤΗ ΥΠΟΤΡΟΠΗ

EORTC RECURRENCE RISK SCORE

0

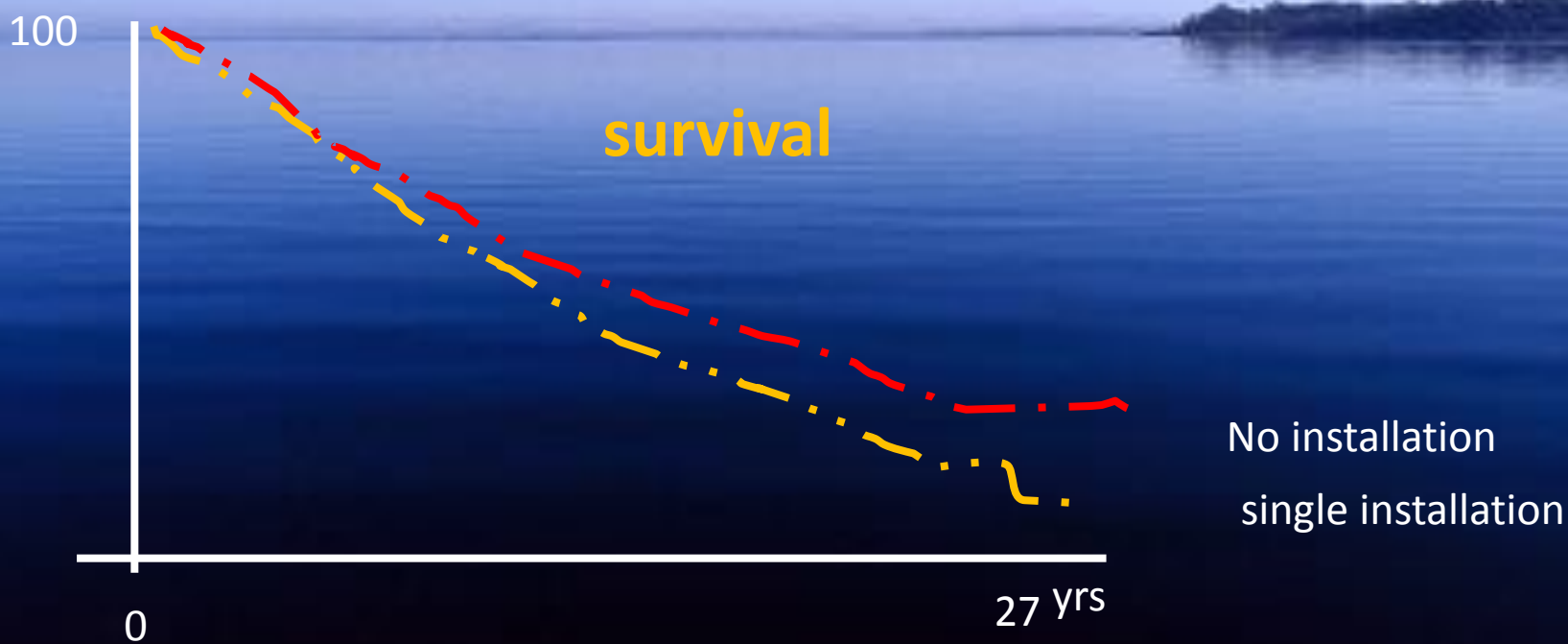
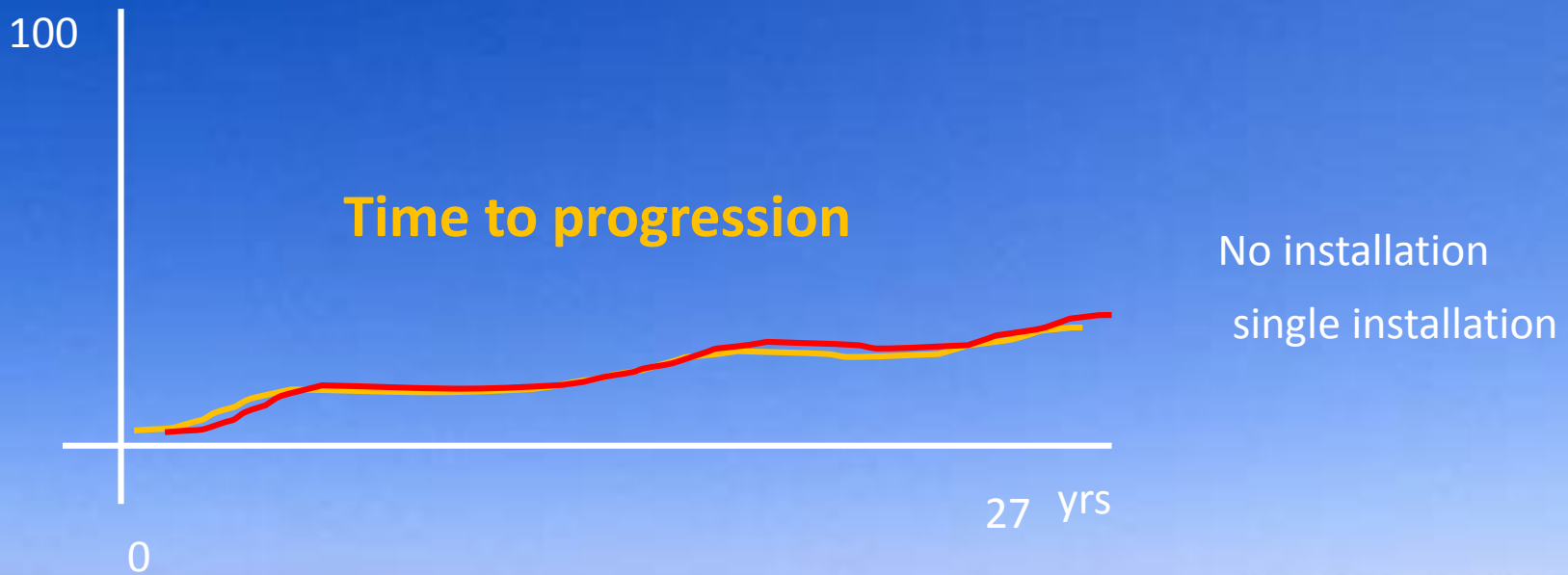
1-4

5-11

Single installation

No installation

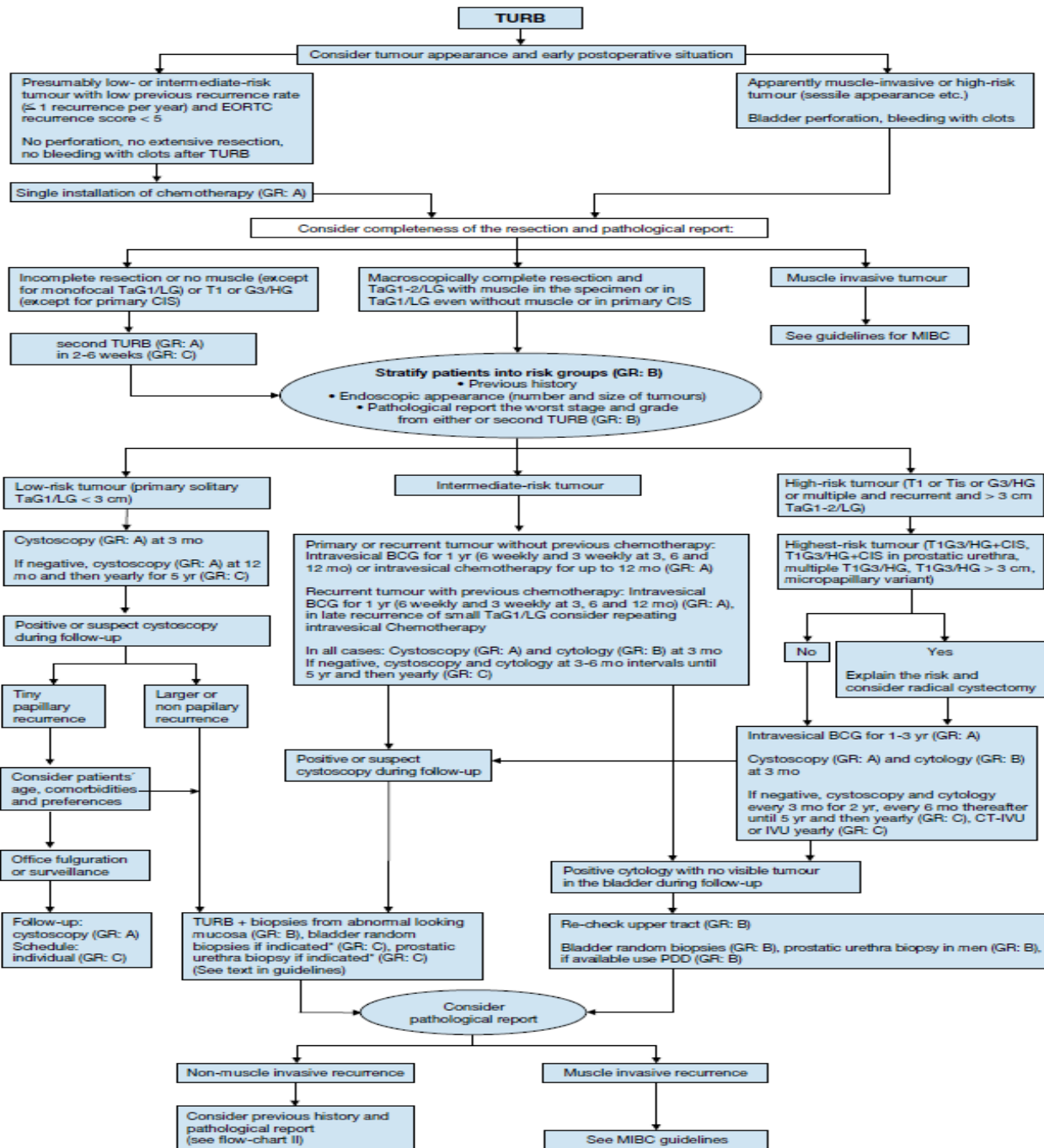




# Ποιοι θα επωφεληθούν

Ασθενείς με λιγότερο από μία υποτροπή τον χρόνο

EORTC SCORE <5



ΕΥΧΑΡΙΣΤΩ

