



22 OTTOBRE 2024

SALA "20 MAGGIO 2012" TERZA TORRE VIALE DELLA FIERA 8, BOLOGNA

La sorveglianza post polipectomia secondo le linee guida europee: recepimento in Emilia Romagna

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U.O. Gastroenterologia ed Endoscopia Digestiva ospedale "Infermi" di Rimini ASL della Romagna

2024
SEMINARI
REGIONALI



overutilization of post polipectomy surveillance colonoscopy



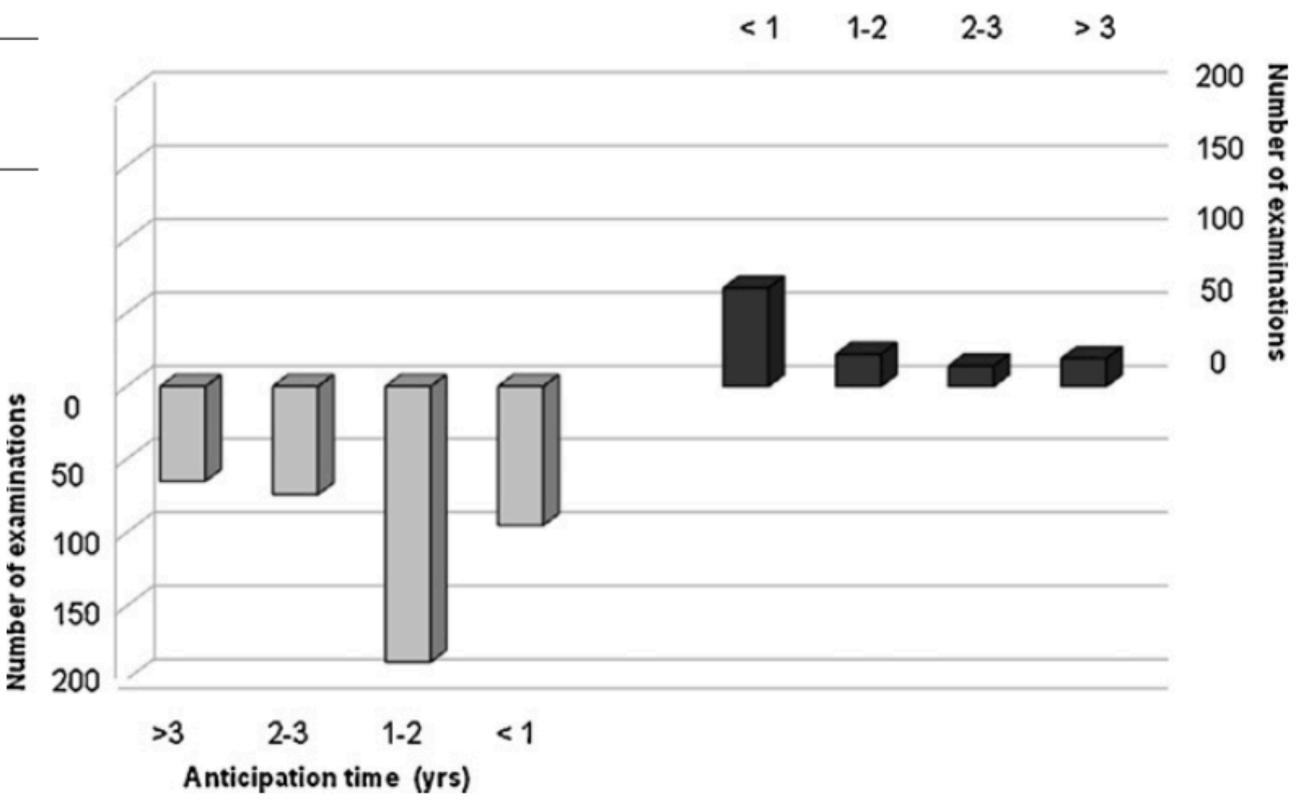
Delay time (yrs)

Appropriateness of timing of surveillance according to the risk group (LR: low risk, HR: high risk).

	Global cohort (n = 902)	LR subjects (<i>n</i> = 460)	HR subjects $(n=367)$
Correct (%)	330(36.6)	146 (31.7)	131 (35.7)
Anticipated (%)	490 (54.3)	310 (67.4)	180 (49.0)
Delayed (%)	82(9.1)	4(0.9)	56(15.3)

predictors of appropriateness:

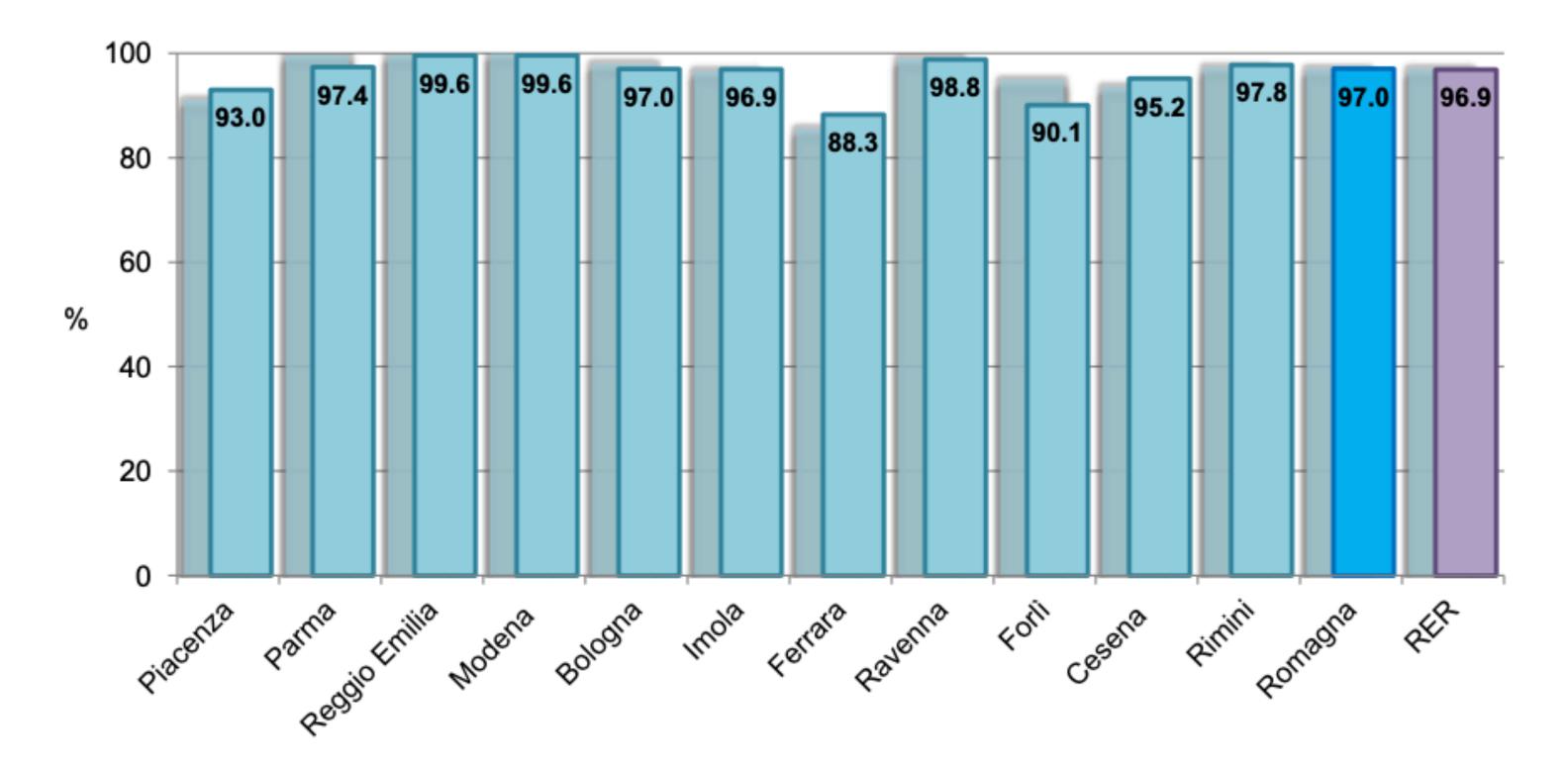
high-volume endoscopy workload (OR 1.92)
written recommendation (OR 1.70)
within screening program (OR 2.62)





Follow-up 2021-2022

Percentuale casi con <u>raccomandazione "Fobt a 5 anni"</u> sul totale dei casi con esito negativo (dopo clean colon), specifica per AUSL



Italia 2021

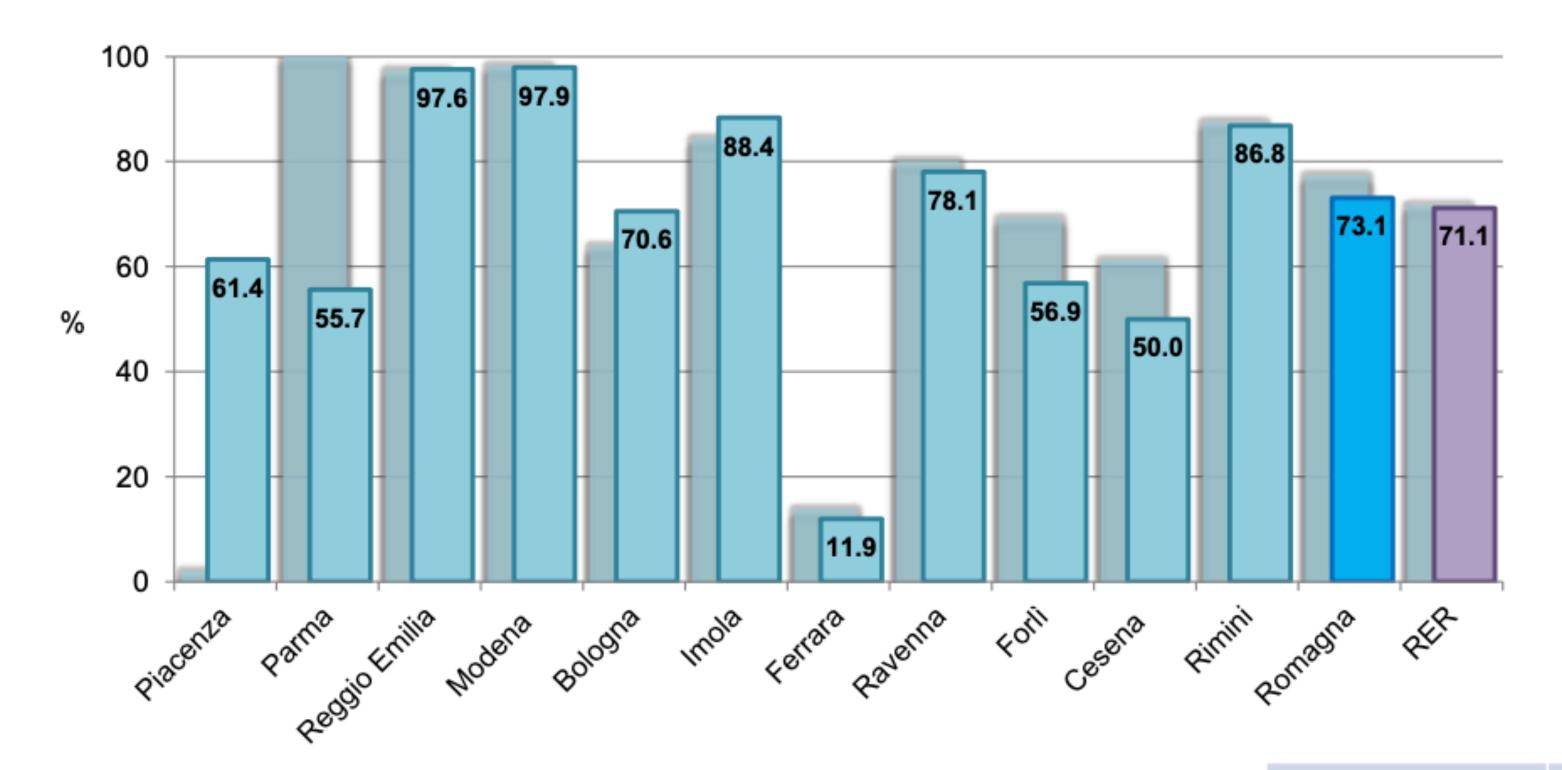
84%

21



Follow-up 2021-<u>2022</u>

Percentuale casi con <u>raccomandazione "Fobt a 5 anni"</u> sul totale dei casi con adenoma a basso rischio (dopo clean colon), specifica per AUSL



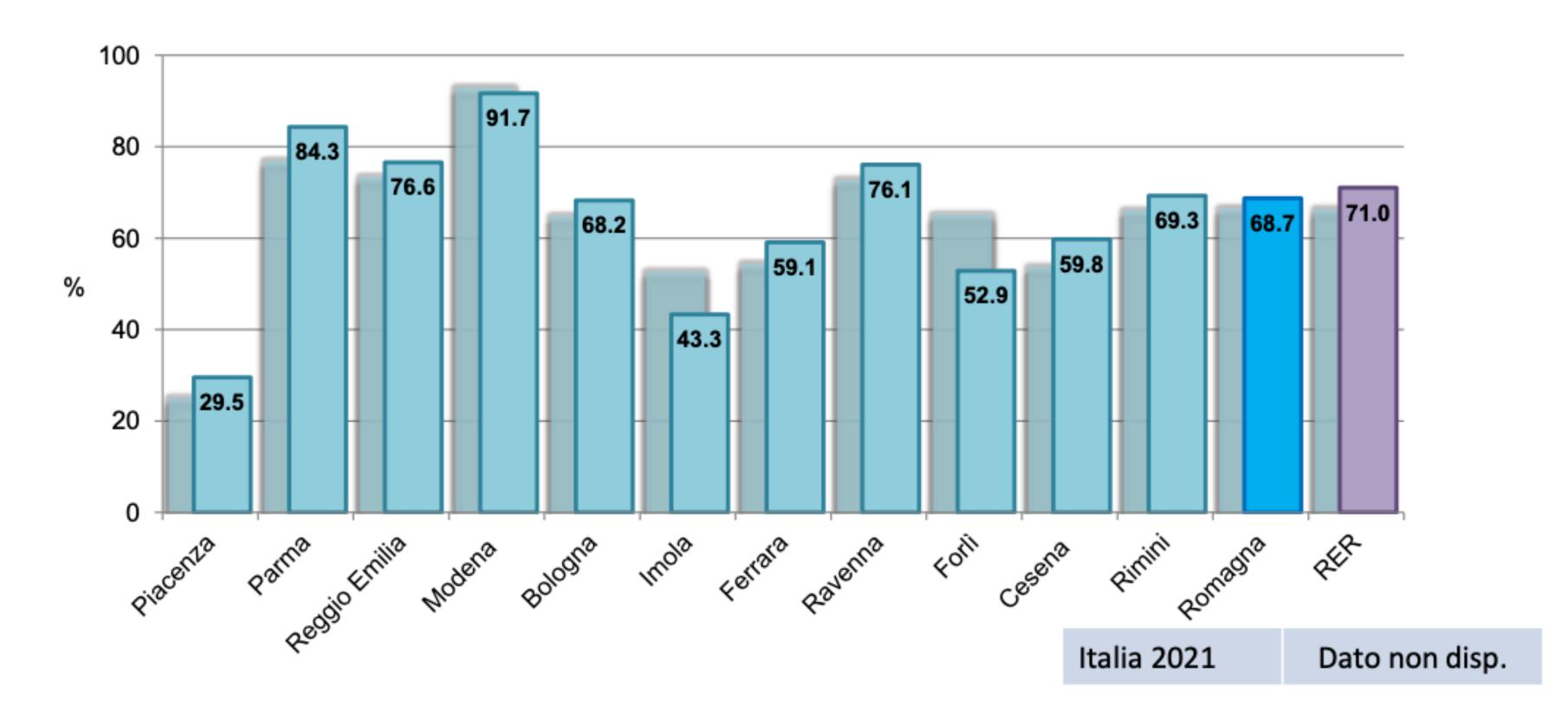
Italia 2021

39%



Follow-up 2021-2022

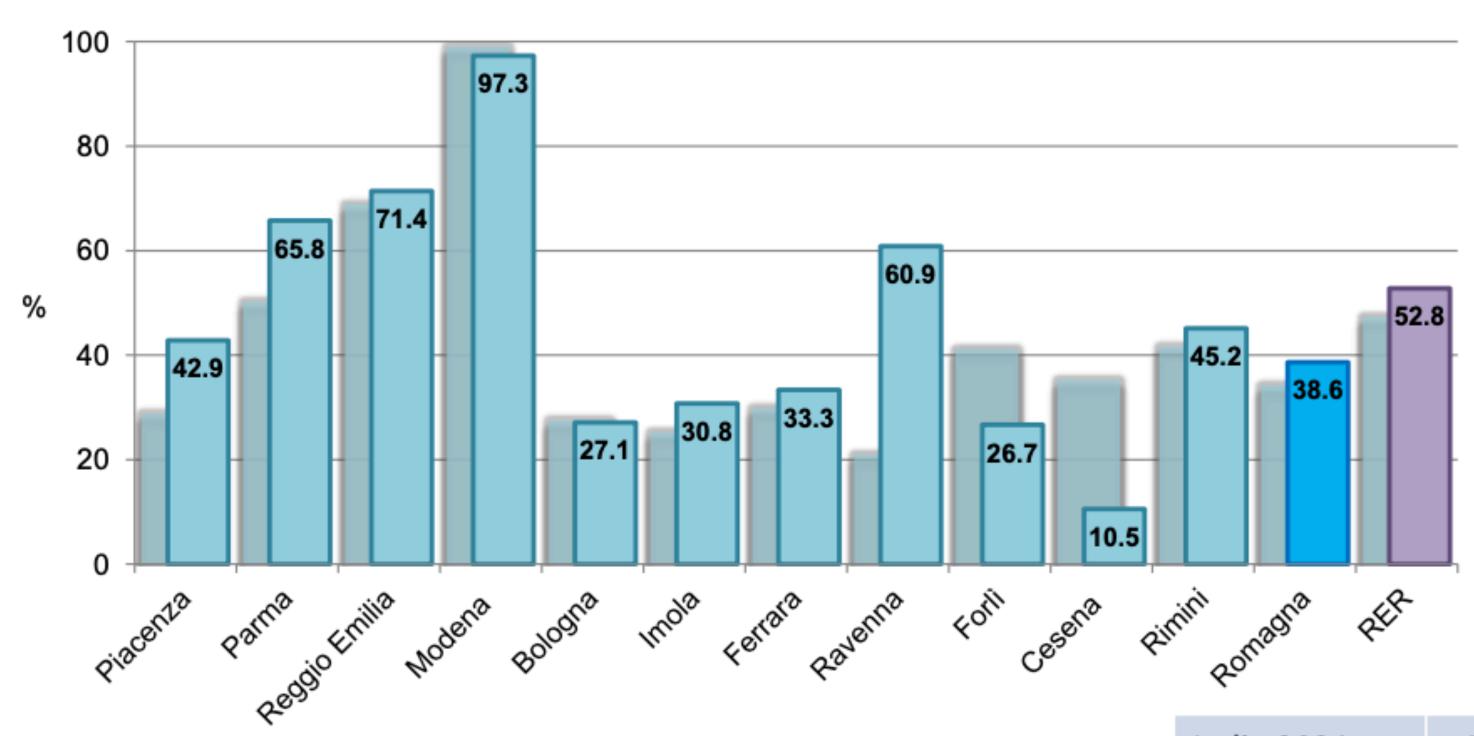
Percentuale casi con <u>raccomandazione "Colonscopia a 3 anni"</u> sul totale dei casi con adenoma a rischio intermedio (dopo clean colon), specifica per AUSL





Follow-up 2021-<u>2022</u>

Percentuale casi con <u>raccomandazione "Colonscopia a 1 anno"</u> sul totale dei casi con adenoma ad alto rischio (dopo clean colon), specifica per AUSL



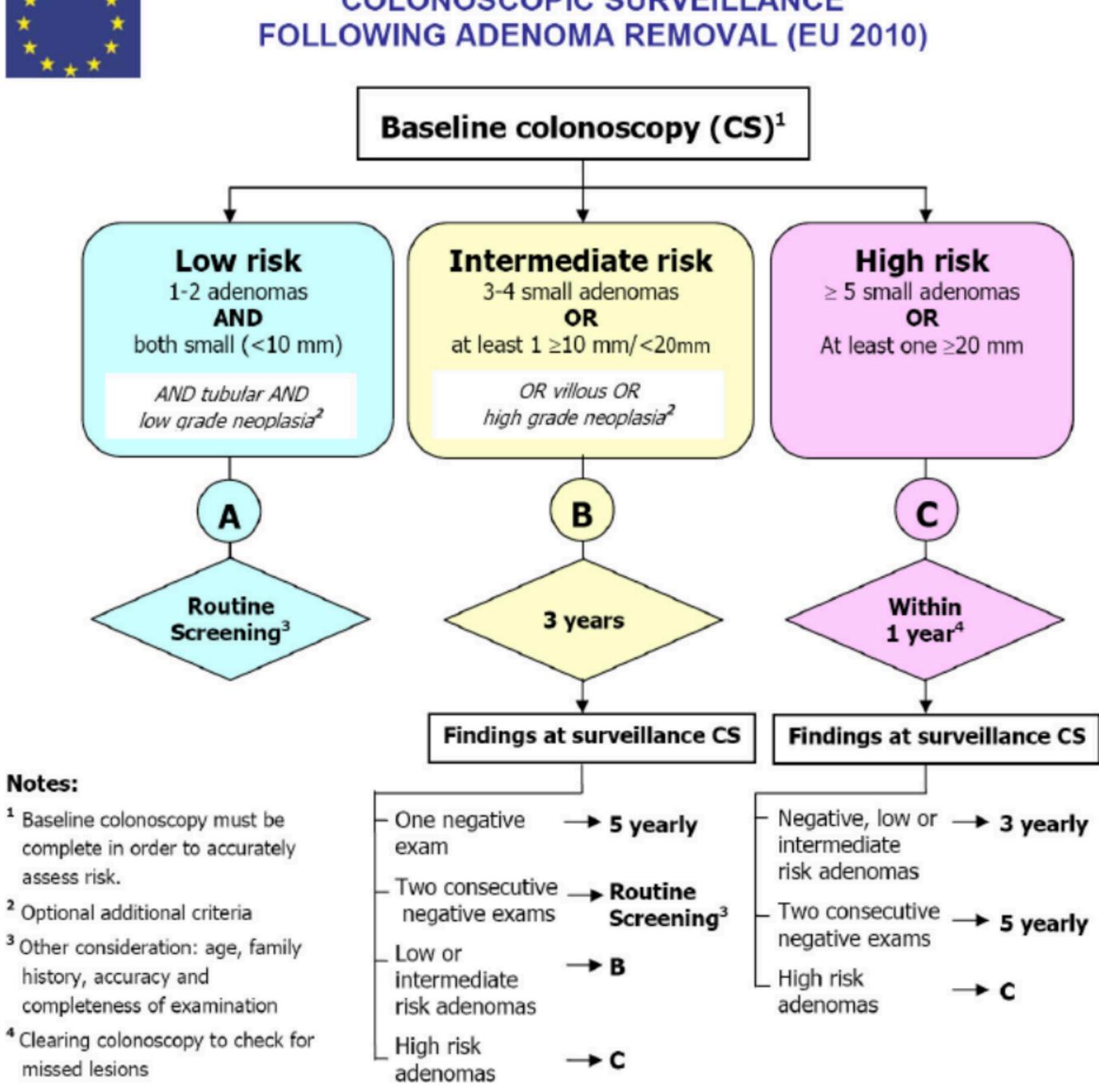
Italia 2021

Dato non disp.

(N° casi con adenoma ad alto rischio e raccomandazione "Colonscopia a 1 anno"/ N° casi con adenoma ad alto rischio)%



COLONOSCOPIC SURVEILLANCE

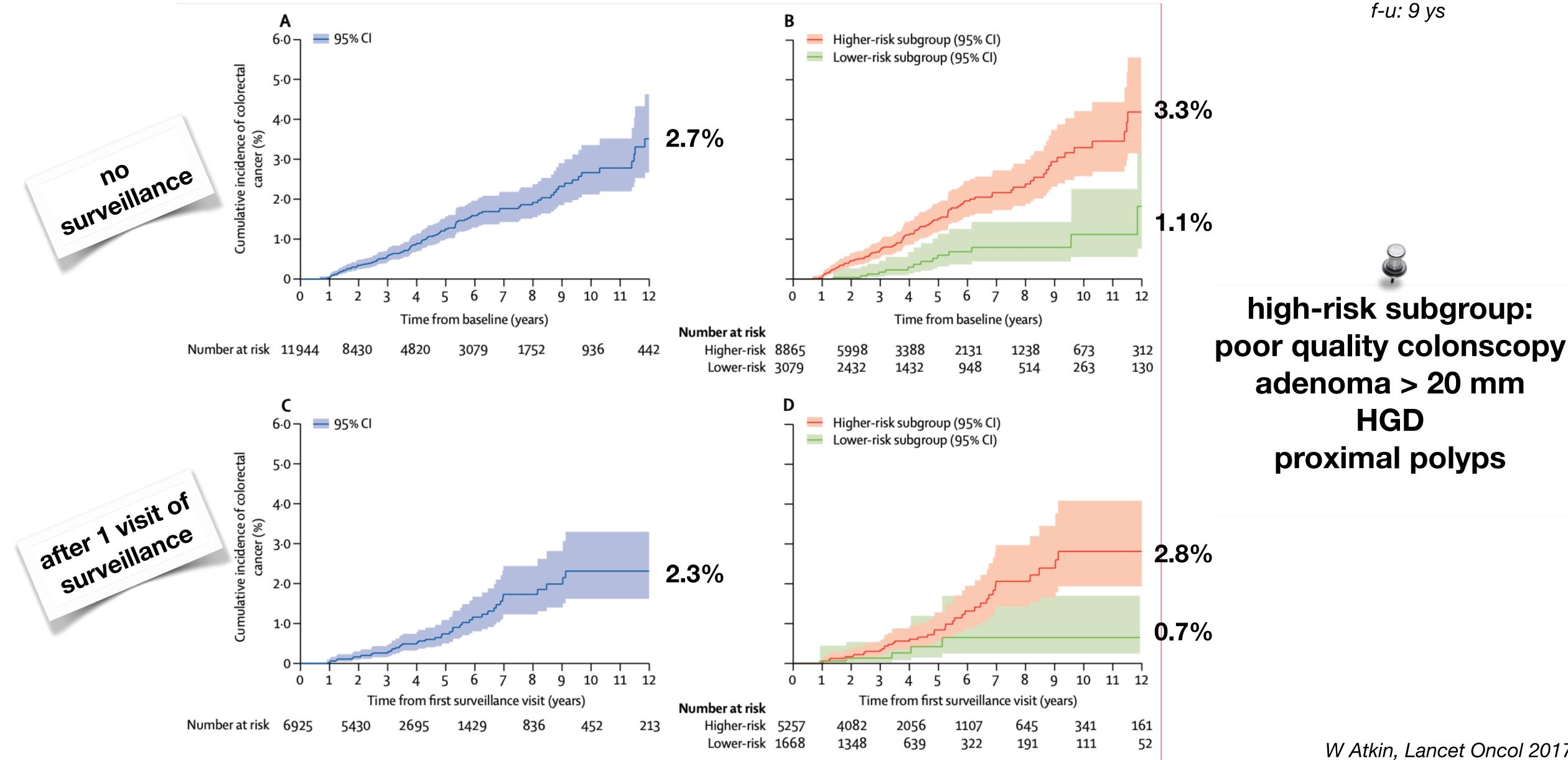




Adenoma surveillance and colorectal cancer incidence:

a retrospective, multicentre, cohort study

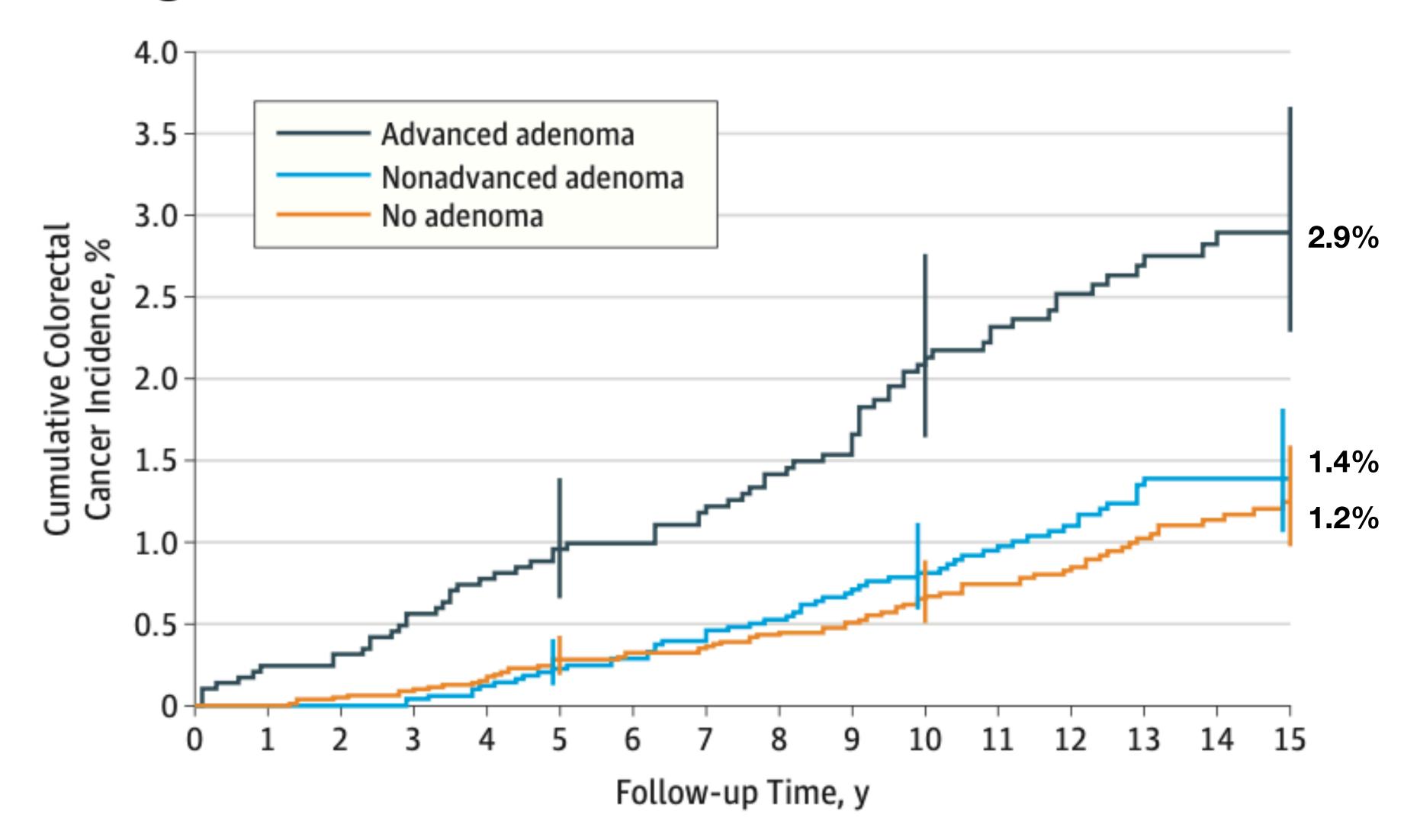
retrospective, multicentric 255.000 pts -> 12.000 interm risk,





Association of Colonoscopy Adenoma Findings With Long-term Colorectal Cancer Incidence

multicentric; PLCO
155.000 pts
sigmoidoscopy
outcome: CRC incidence
and mortality
15 y



JAMA | Original Investigation

Association of Colonoscopy Adenoma Findings With Long-term Colorectal Cancer Incidence

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advanced adenoma

(> 1 cm, HGD, villous)

no significant difference in incidence rate/100.000 between > 1cm (19.2) vs < 1 cm with HGD (22.4)

no significant difference in incidence rate/100.000 between HGD (28.6) vs villous/tubulovillous (21.1)

non-advanced adenomas

3 or more lesions not more risk vs 1-2 adenomas (RR 1.01)

no significant difference in 3/more vs no adenoma (RR 1.4)

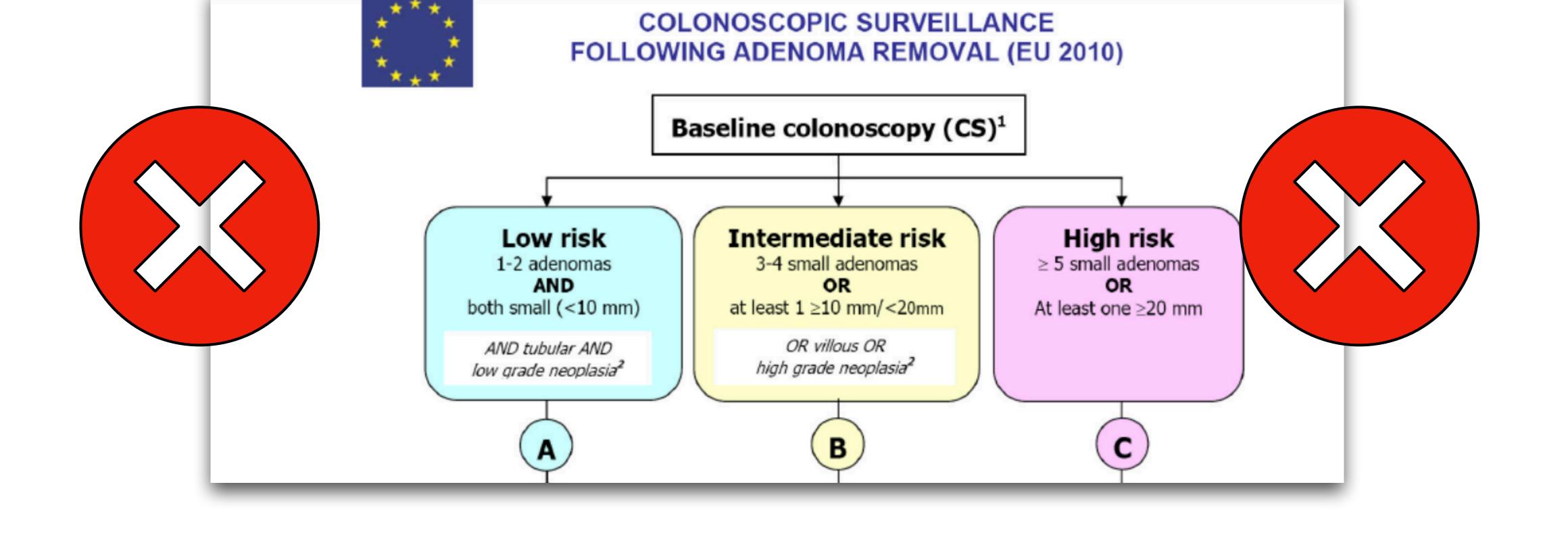
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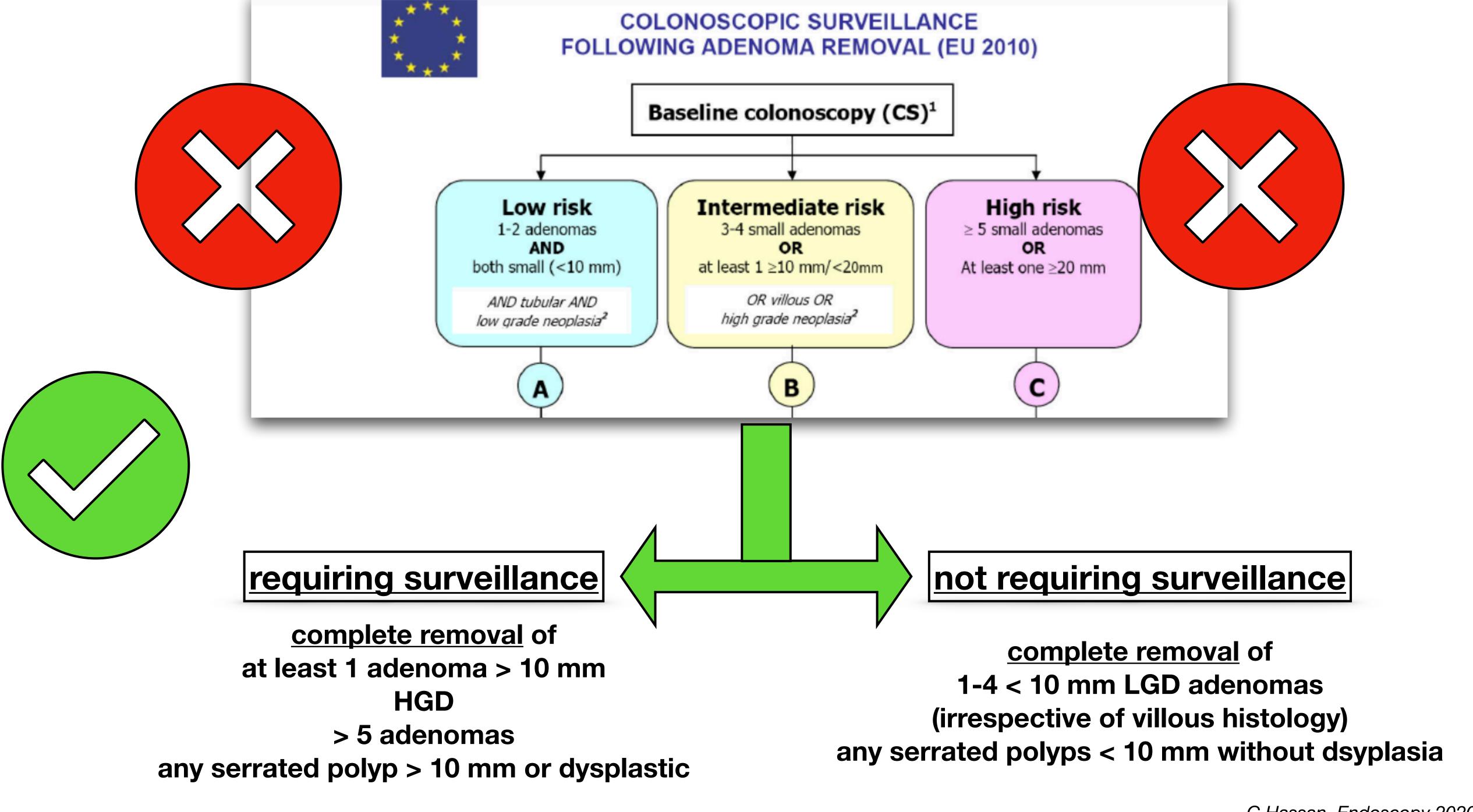
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multicentric; PLCO
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compared to no adenoma, advanced adenomas confer significantly increased risk of cancer death (RR 2.06)







Low risk

1-2 adenomas
AND

both small (<10 mm)

AND tubular AND low grade neoplasia²

Intermediate risk

3-4 small adenomas

OR

at least 1 ≥10 mm/<20mm

OR villous OR high grade neoplasia²

High risk

≥ 5 small adenomas OR

At least one ≥20 mm



2020 statement

The following recommendations for post-polypectomy colonoscopic surveillance apply to all patients who had one or more polyps that were completely removed during a high quality baseline colonoscopy.

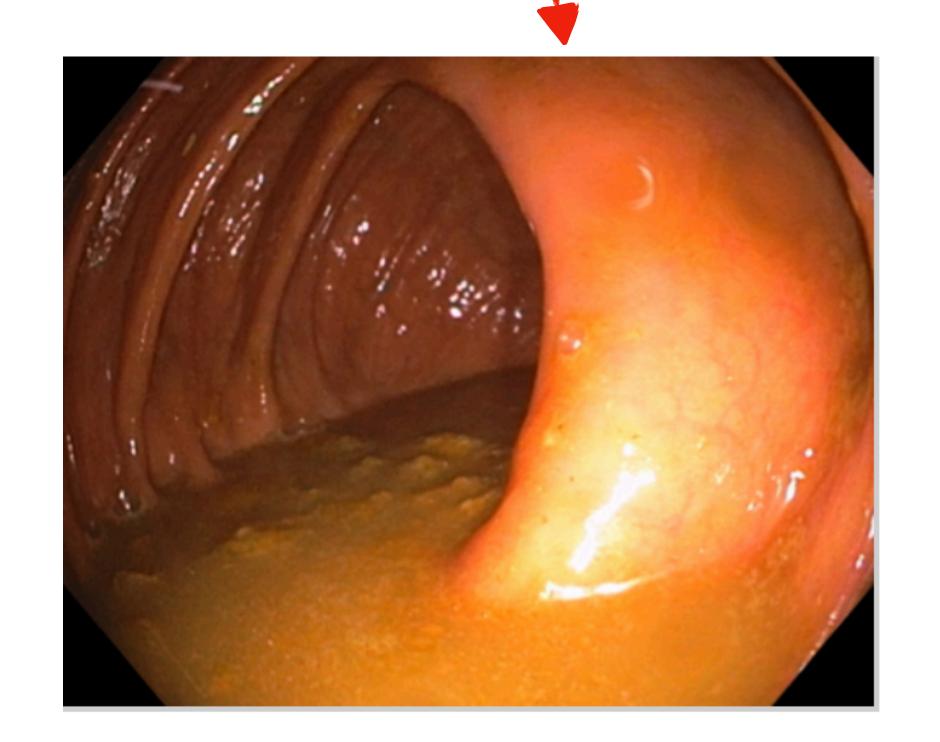
Strong recommendation, moderate quality evidence.



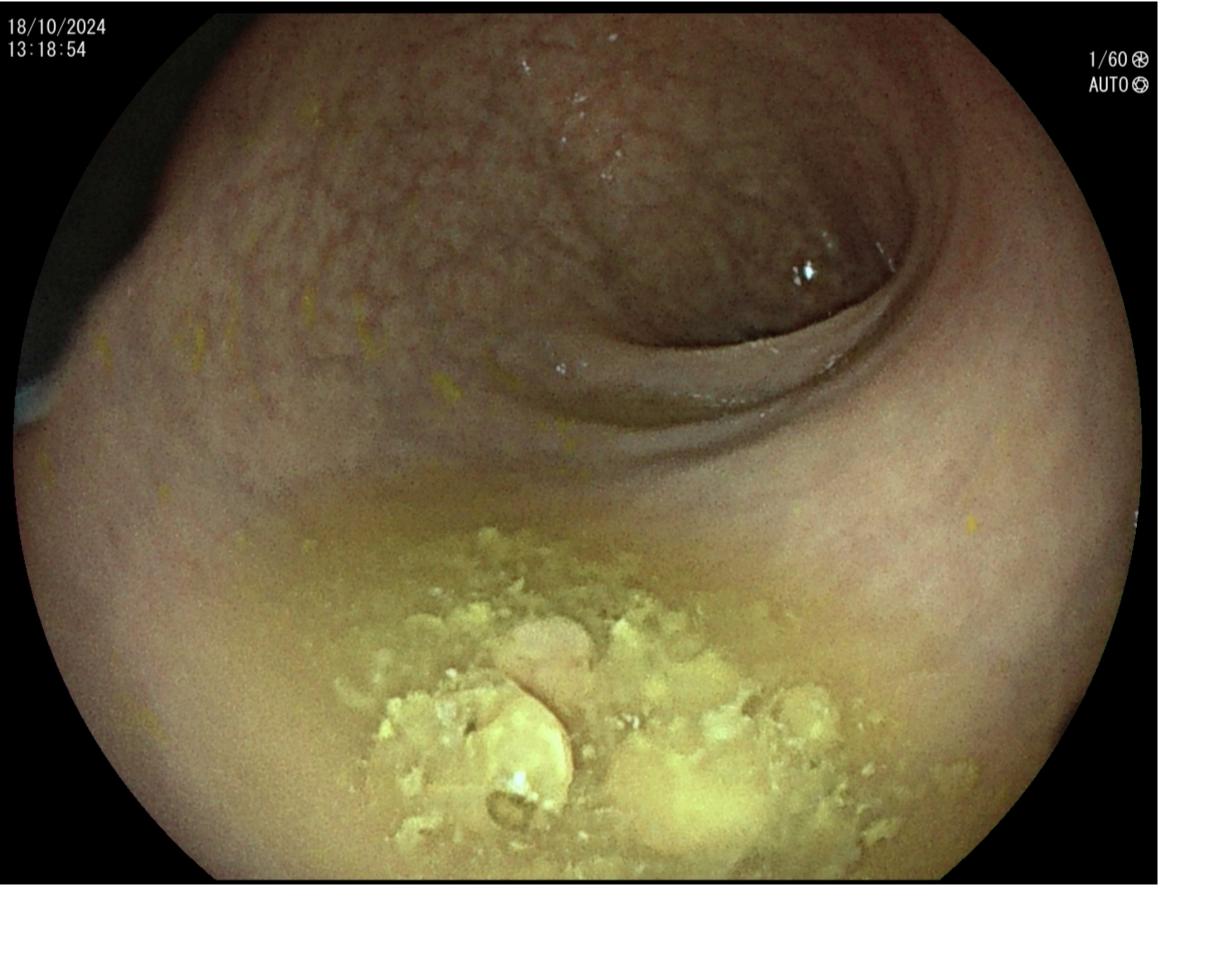
2020 statement

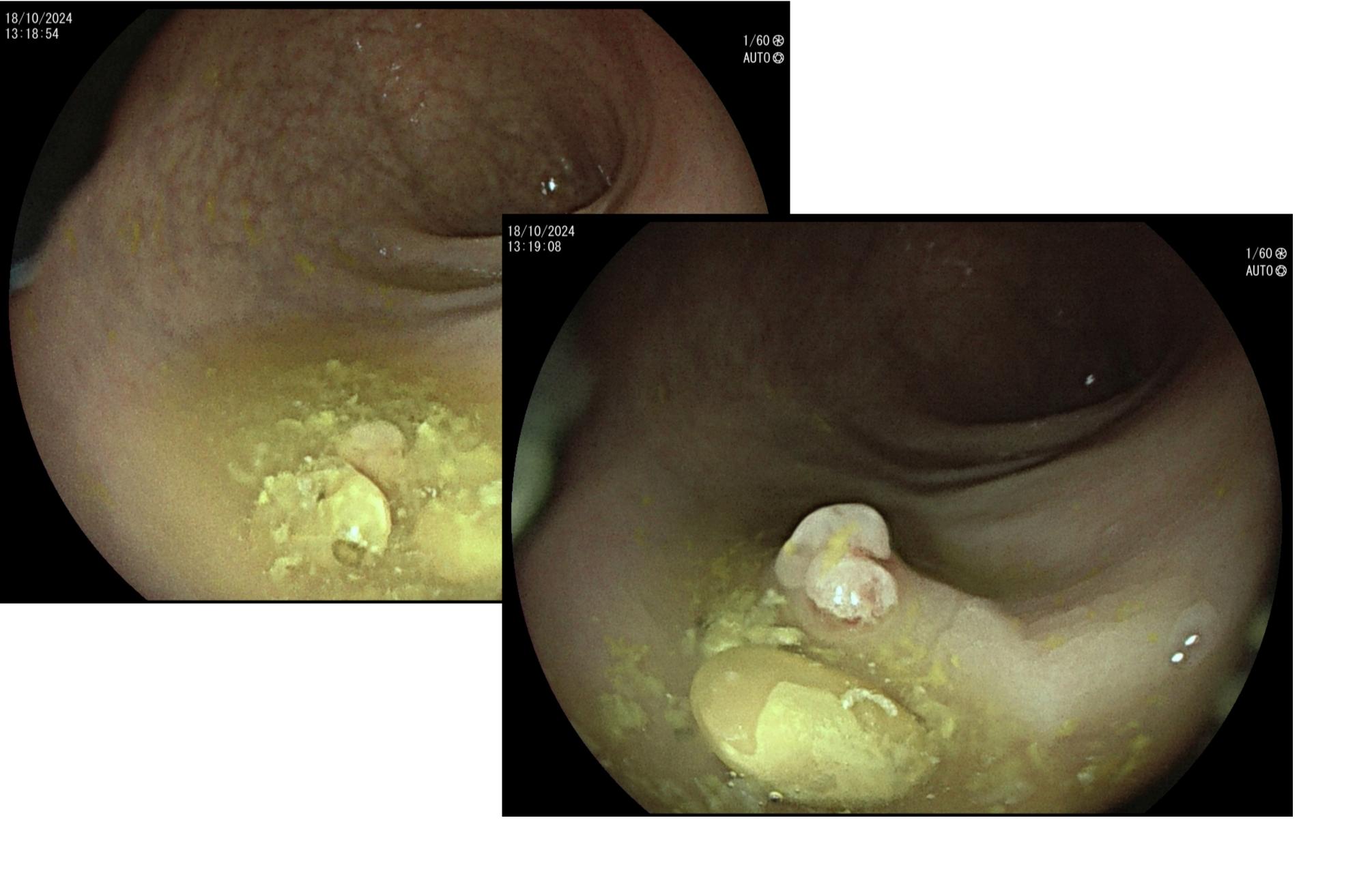
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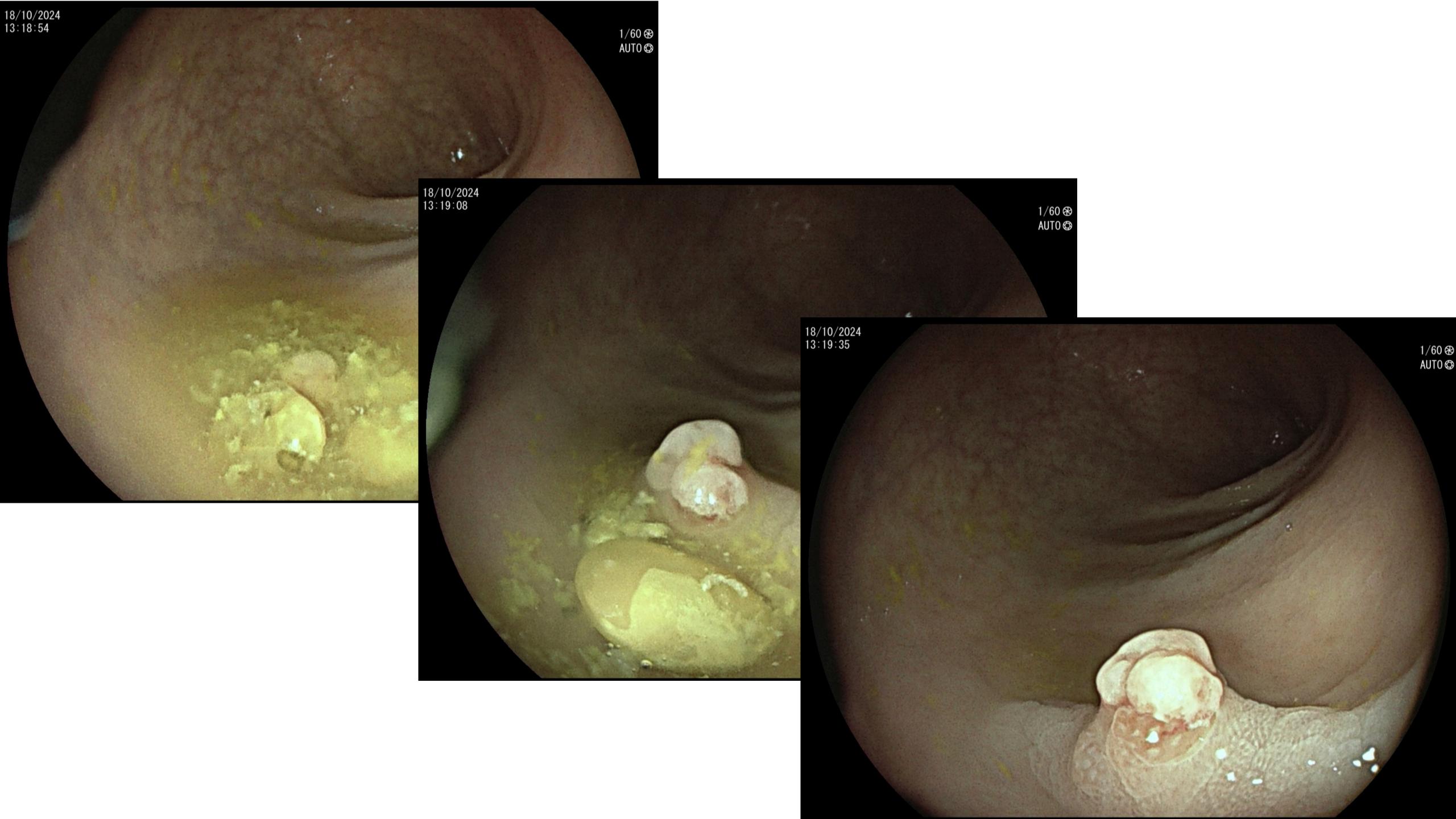
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poor bowel prep: HR 2.09 (incomplete examination: HR 1.81)





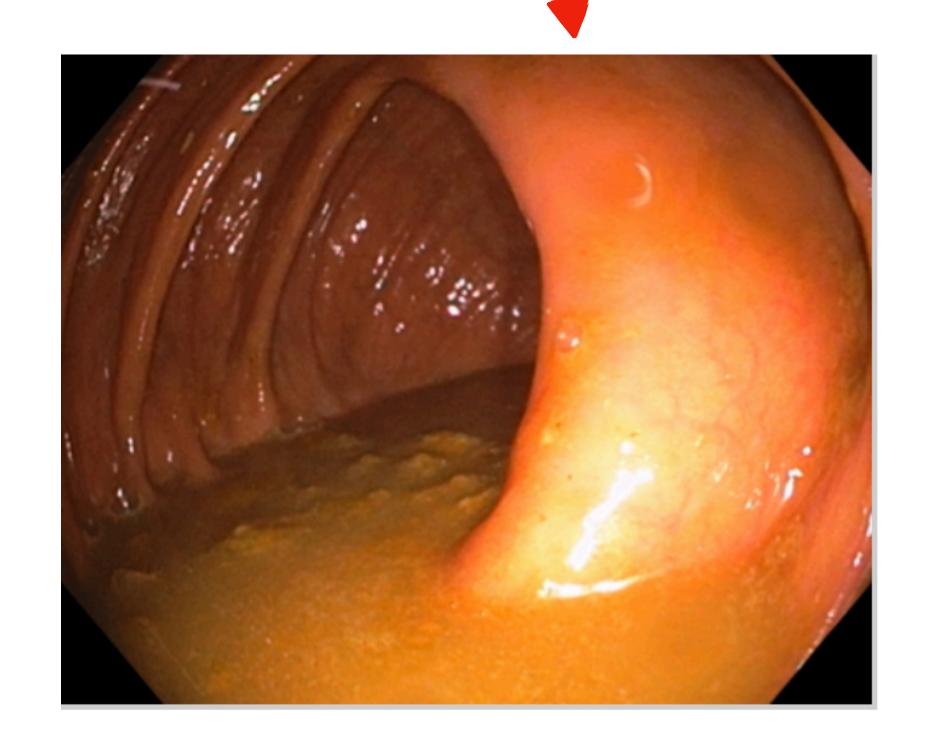




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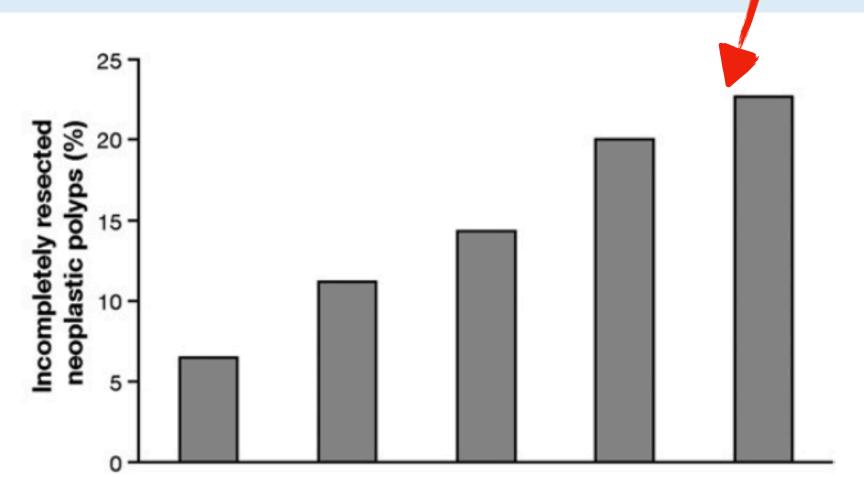


overutilization of surveillance cannot compensate for an initial suboptimal colonoscopy



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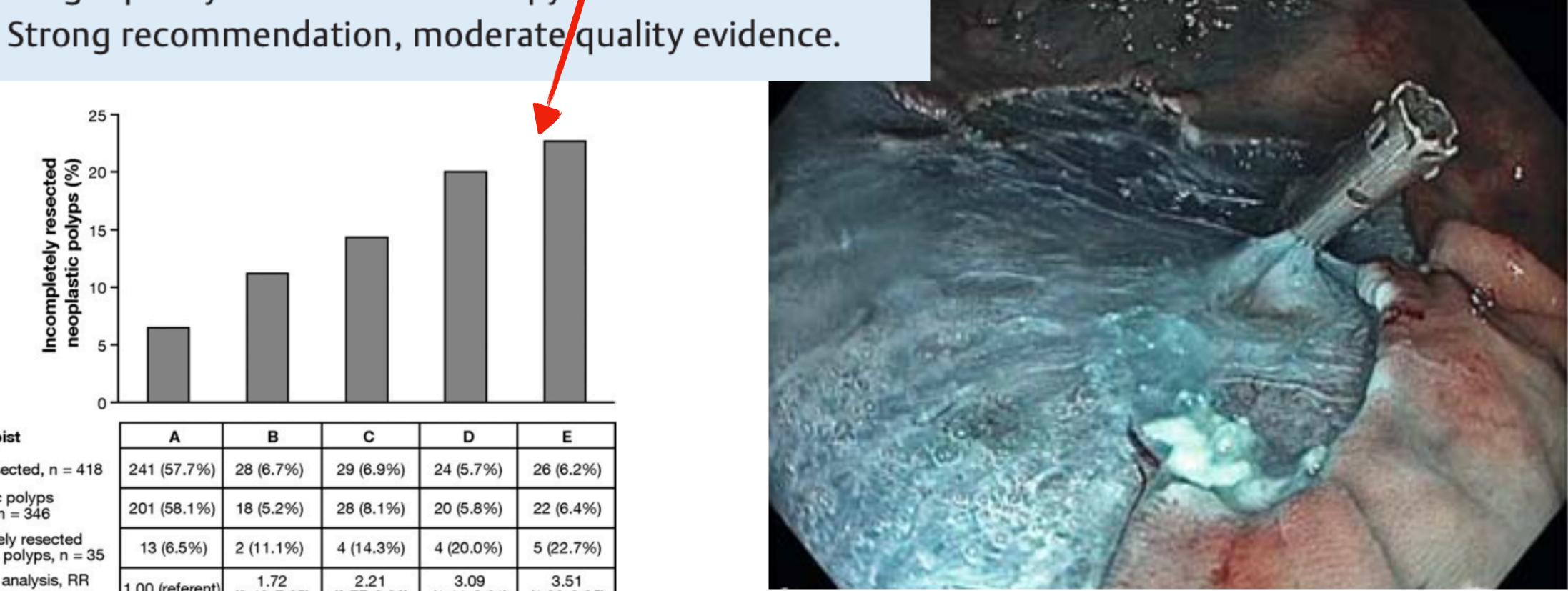


Endoscopist

(95% CI)

Polyps resected, n = 418 Neoplastic polyps resected, n = 346 Incompletely resected neoplastic polyps, n = 35 Univariate analysis, RR (95% CI) Multivariate analysis, RR

Α	В	С	D	E
241 (57.7%)	28 (6.7%)	29 (6.9%)	24 (5.7%)	26 (6.2%)
201 (58.1%)	18 (5.2%)	28 (8.1%)	20 (5.8%)	22 (6.4%)
13 (6.5%)	2 (11.1%)	4 (14.3%)	4 (20.0%)	5 (22.7%)
1.00 (referent)	1.72 (0.42-7.05)	2.21 (0.77-6.32)	3.09 (1.11-8.61)	3.51 (1.38-8.95)
1.00 (referent)	1.98 (0.51-7.75)	2.87 (1.02-8.03)	2.04 (0.71-5.93)	3.45 (1.35-8.81)

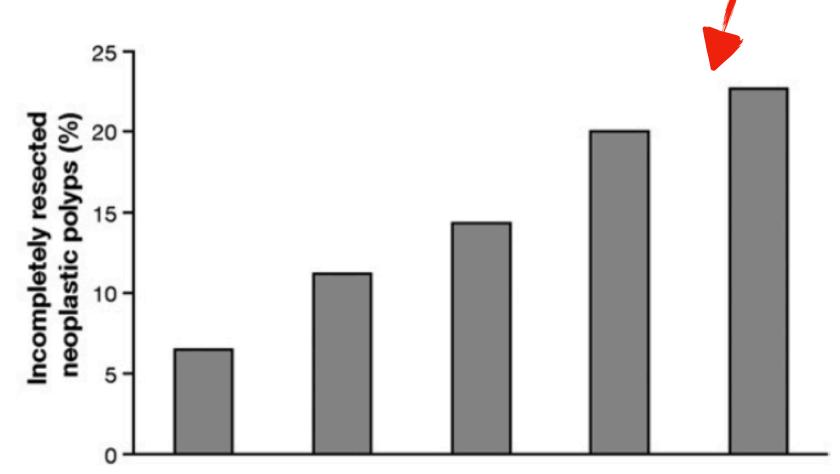




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Univariate analysis, RR
(95% CI)

Multivariate analysis, RR

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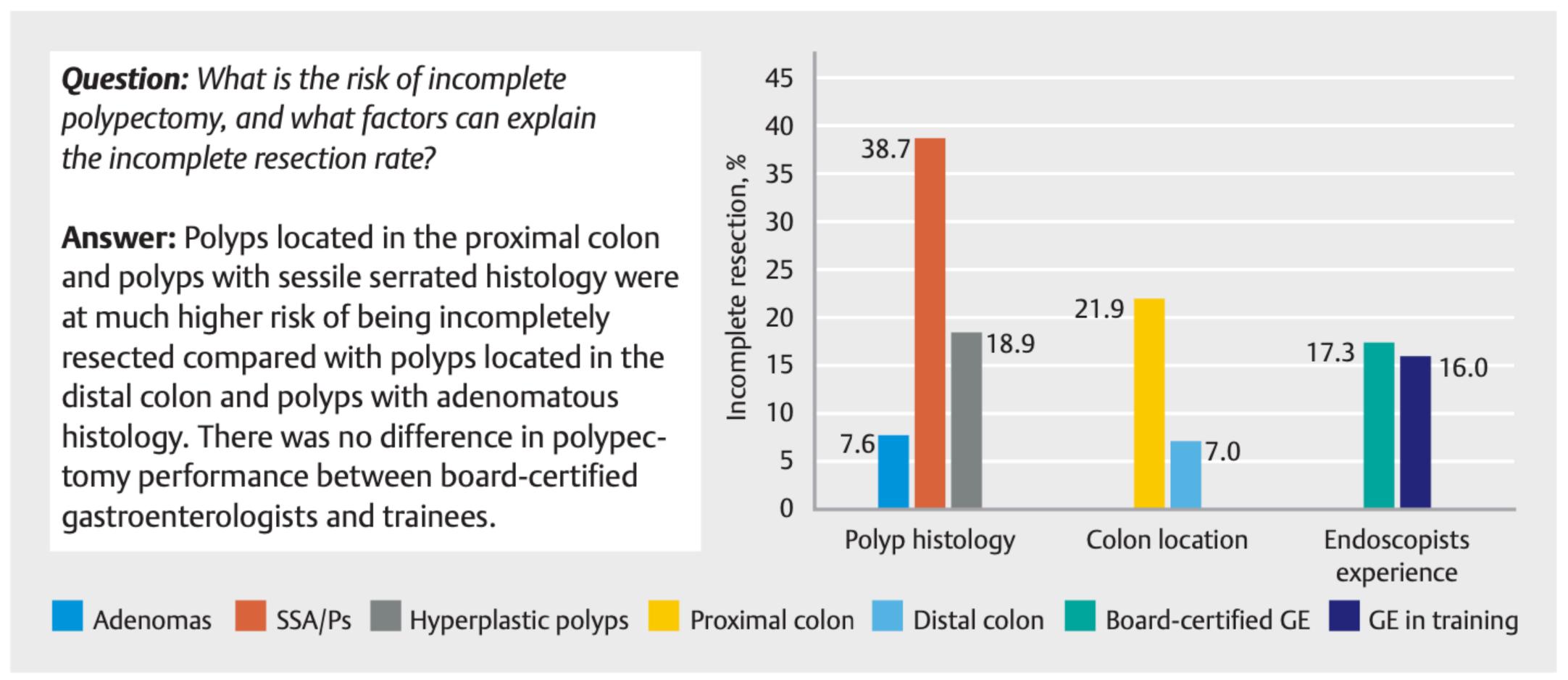
Table 2. Snare Incomplete Resection Rate Stratified by Subgroups, Polyp Margin Assessment

Subgroups	IRR, % (95% CI)	I ² , %
Study type		
Expert	8.0 (4.8–11.3)	86.5
Nonexpert	18.0 (11.8–24.3)	96.1
Geographic origin	,	
Asian	14.1 (10.1–18.2)	94.9
Non-Asian	4.8 (3.3–6.3)	а
Histology		
Adenoma	13.3 (8.9–17.8)	95.9
SSA	28.5 (15.7-41.3)	а
1–10 mm		
Submucosal injection	14.2 (5.2–23.2)	95.9
No submucosal injection	17.6 (13.1–22.1)	54.1
Total 1-10 mm	15.9 (9.6–22.1)	94.4
10–20 mm		
Submucosal injection	20.4 (11.6–29.2)	80.0
No submucosal injection	a	а
Hot snare	20.8 (12.9–28.8)	76.9
Cold snare	а	а
Total 10-20 mm	20.8 (12.9–28.8)	76.9

R Djinbachian, Gastroenterol 2020 CARE study, Gastroenterol 2013 C Hassan, Endoscopy 2020

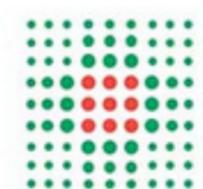
Incomplete endoscopic resection of colorectal polyps: a prospective quality assurance study

GRAPHICAL ABSTRACT

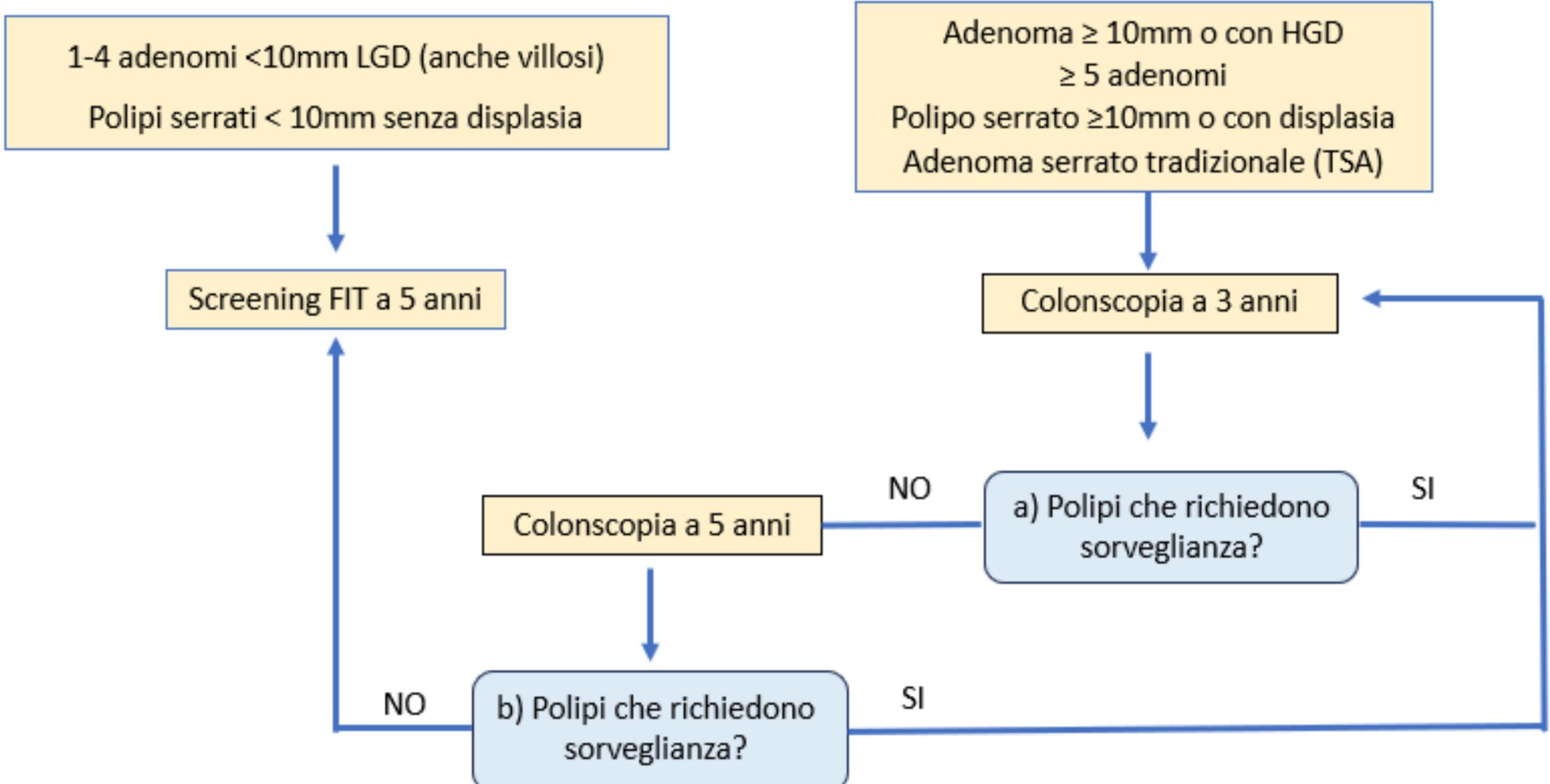




"it seems reasonable to recommend an early repeat of colonoscopy only in those few cases where the number or complexity of multiple endoscopic resections have affected, according to endoscopist judgement, the quality of baseline colonoscopy"











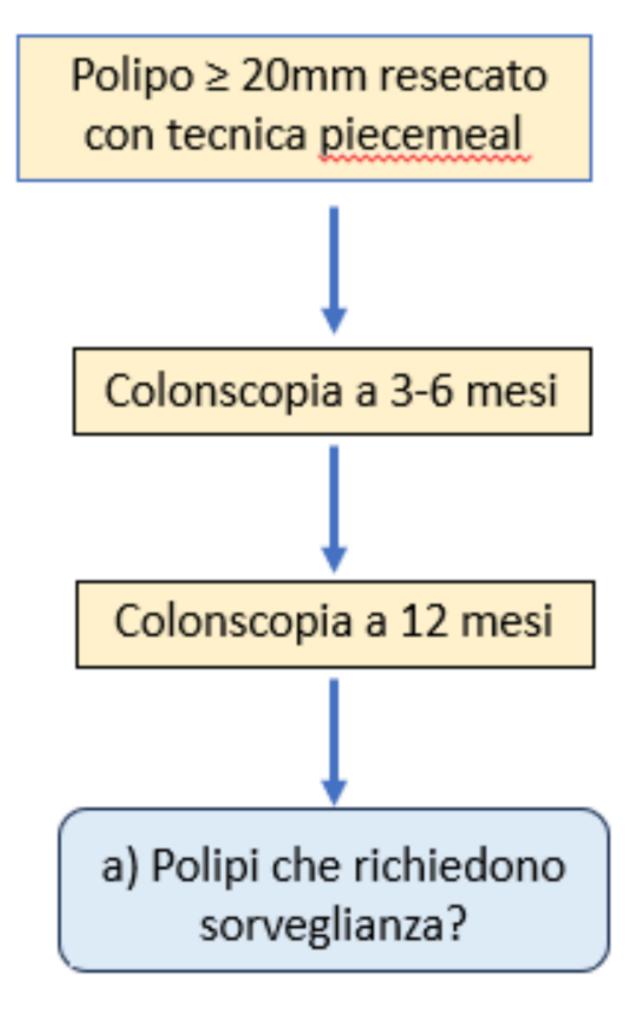


2020 statement

ESGE recommends a 3−6-month early repeat colonoscopy following piecemeal endoscopic resection of polyps ≥20 mm.

Strong recommendation, moderate quality evidence.





recurrence after piecemeal polipectomy

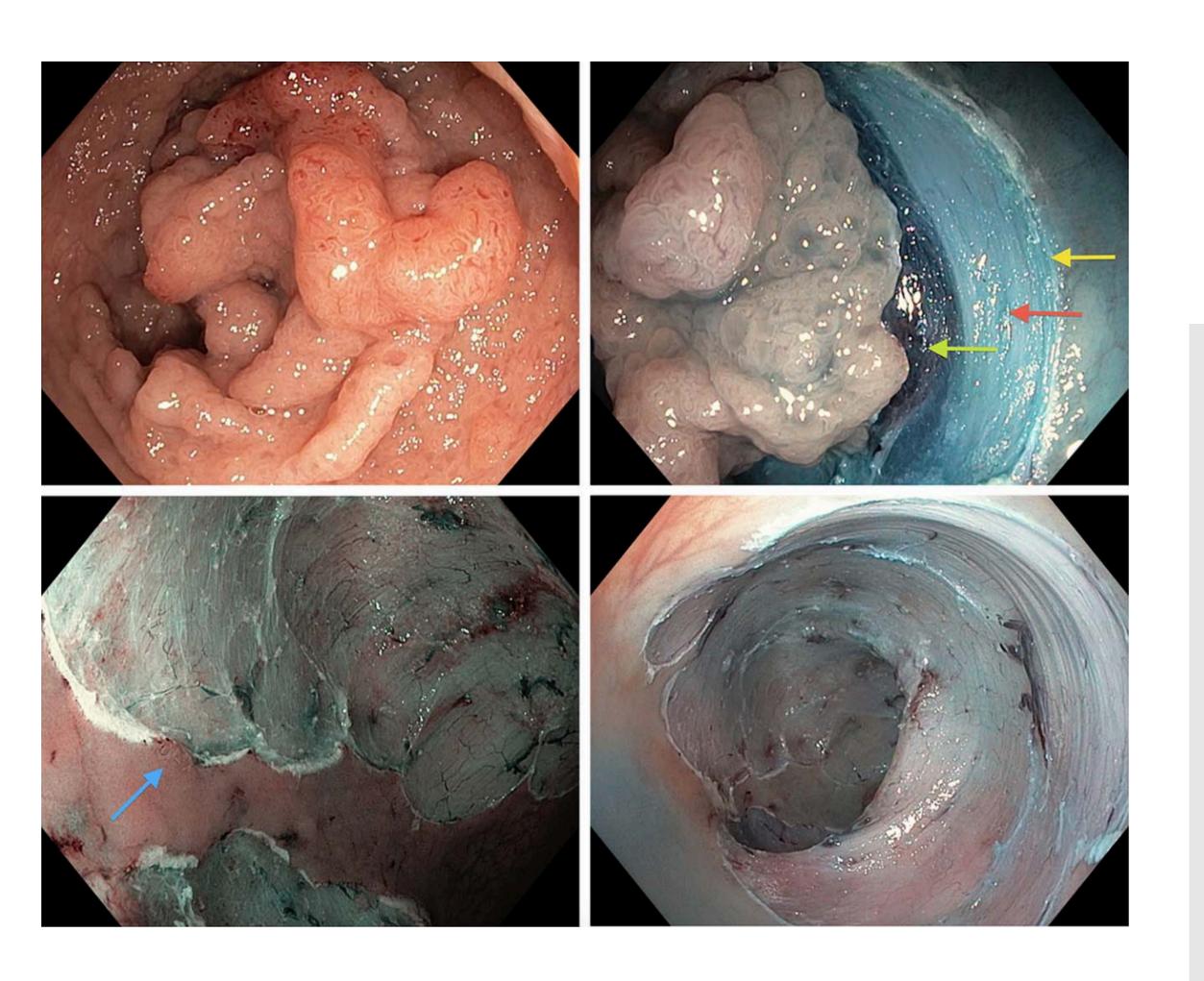
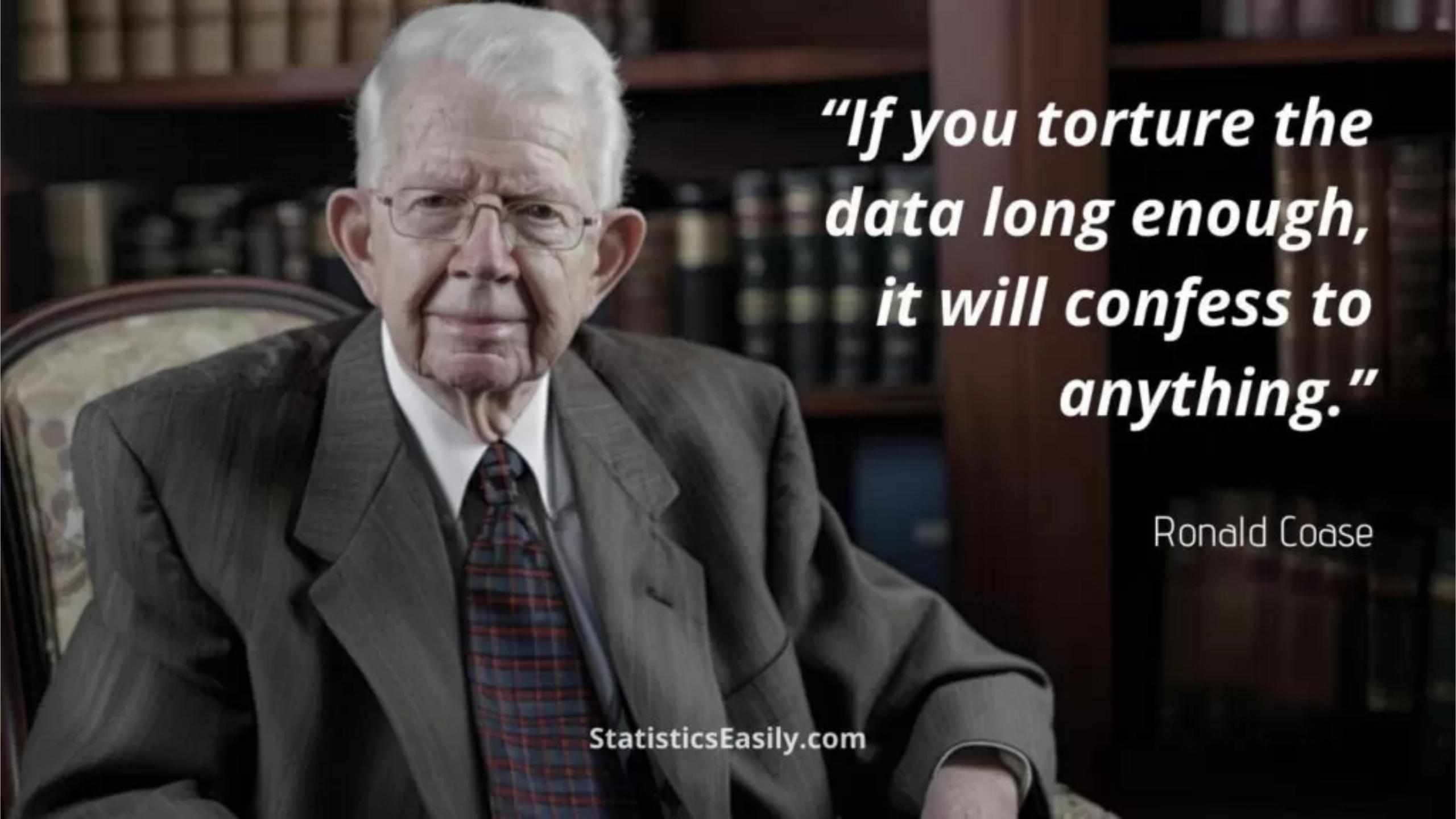
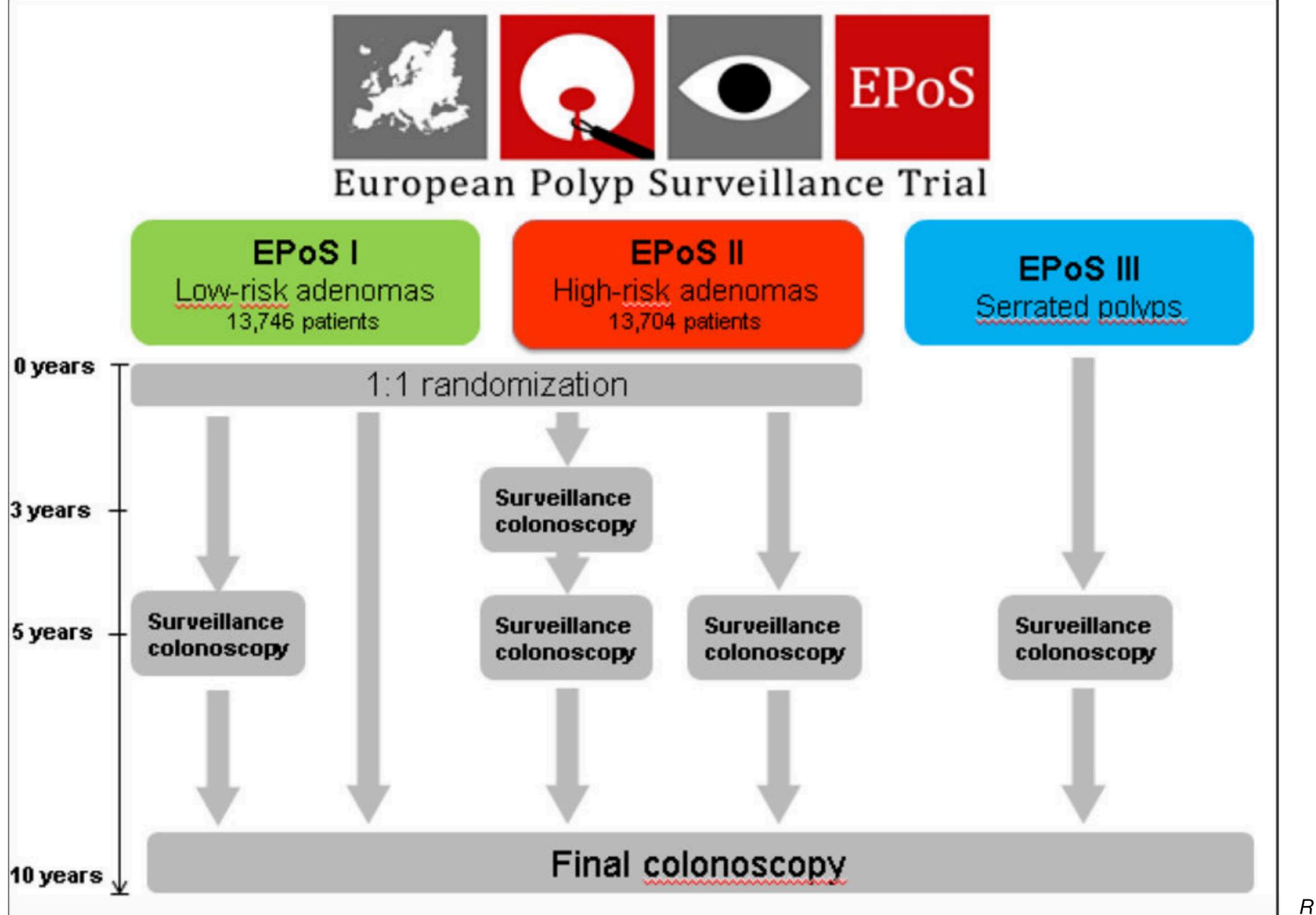


Table 3 Multivariable analysis and best-fitting multiple logistic regression model for factors associated with recurrence at first surveillance colonoscopy (SC1)

Risk factor for recurrent/residual adenoma	OR	p Value	
Lesion size			
20 mm	1		
21–30 mm	2.07 (0.93-4.57)	0.073	
31–40 mm	3.44 (1.56–7.60)	0.002	
>40 mm	8.22 (3.90–17.3)	< 0.001	
Use of argon plasma coagulation (APC)	2.42 (1.55–3.80)	< 0.001	
Bleeding during EMR	1.66 (1.03–2.67)	0.038	
EMR, endoscopic mucosal resection.			





Original article

Detection of colorectal cancer and advanced neoplasia during first surveillance interval after detection of adenomas in fecal immunochemical test cancer screening: a nationwide study

CRC

0.59% in high-risk group

1.11% in intermediate-risk group

retrospective, nationwide 18.000 FIT +ve under surveillance, 2014 - 2017

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if ESGE 2020 applied:

CRC in 1.69% of intermediate - non surveilled pts CRC in 0.87% of intermediate - surveilled pts

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up to 4 small adenomas villous histology

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retrospective, nationwide 18.000 FIT +ve under surveillance, 2014 - 2017

CRC

0.59% in high-risk group

1.11% in intermediate-risk group

colonoscopy completeness
bowel prep
excluded piecemeal resection
ADR not reported

if ESGE 2020 applied:

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up to 4 small adenomas villous histology

Editorial

Surveillance after polyp removal: quality really matters

Referring to Larsen PT et al. doi: 10.1055/a-2343-5700

Rodrigo Jover 🗓

"Taken together, these results highlight one of the possible reasons that could explain the findings of this study, namely the quality of the baseline colonoscopy."

Editorial

Surveillance after polyp removal: quality really matters

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importance of quality metrics in screening colonscopy



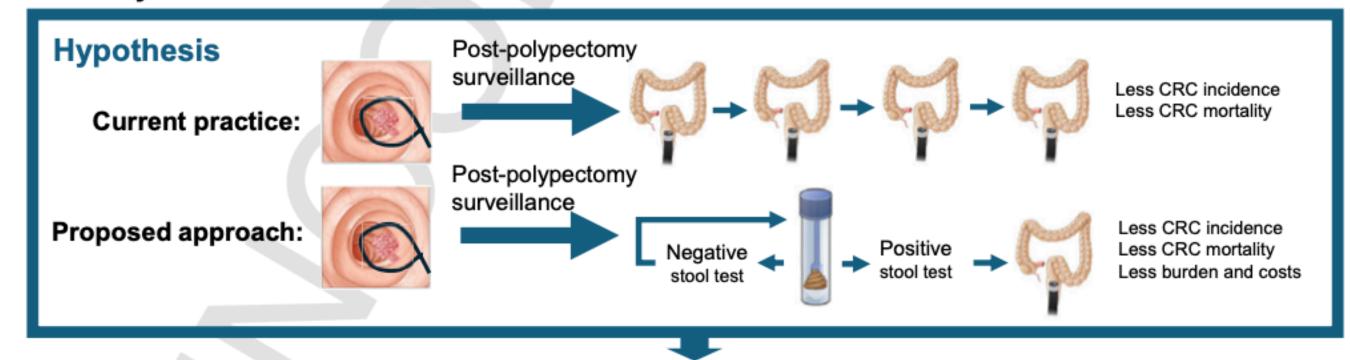
only certified endoscopists should partecipate in screening



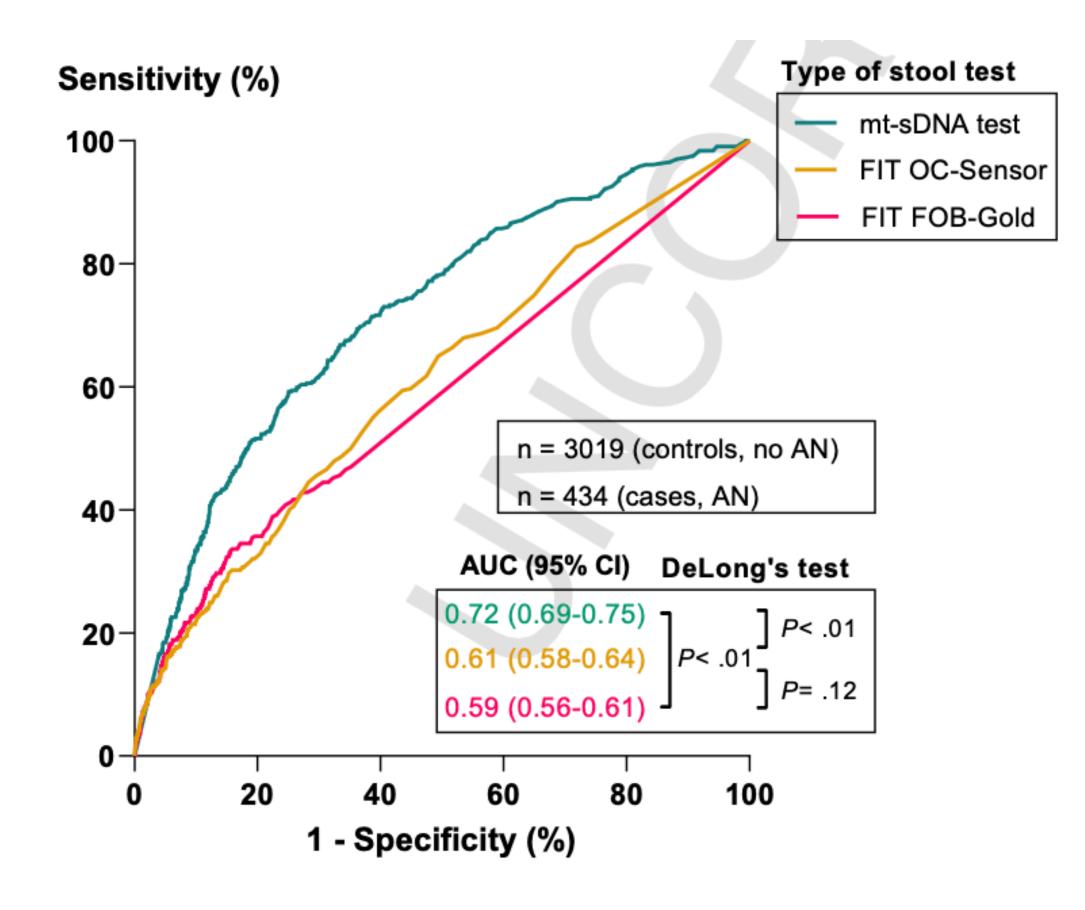
guidelines have to include these quality metrics in recommendations

Stool-Based Testing for Post-Polypectomy Colorectal Cancer Surveillance Safely Reduces Colonoscopies: The Molecular Stool Testing for Colorectal Cancer Surveillance Study

The MOCCAS study:

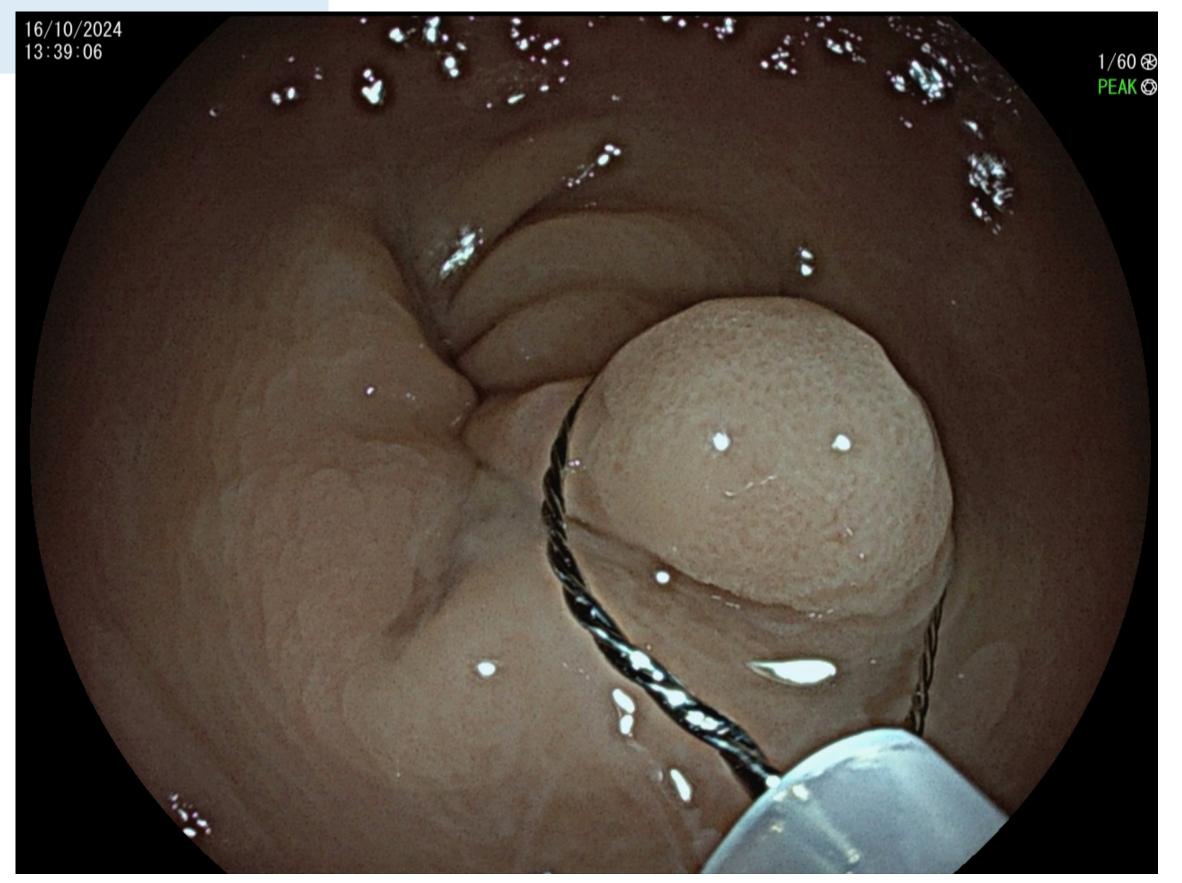


Outcome	Microsimulation modeling comparing stool-based surveillance with current colonoscopy surveillance using MOCCAS study findings as input			
Stool test	Tanting internal	Compared to current colonoscopy surveillance		S.
	Testing interval	CRC incidence and mortality	Nr. of colonoscopies	Costs
Mt-sDNA test	Biennial	-	1	1
FIT FOB-Gold	Annual	-	1	1
FIT OC-Sensor	Annual	-	1	1





2020 statement
When planning post-polypectomy surveillance, ESGE suggests to use a standardized measurement of polyp size evaluated at either endoscopy or pathology.
Weak recommendation, low quality evidence.



C Hassan, Endoscopy 2020