

Supplementary Materials: Fecal Immunochemical Tests Detect Screening Participants with Multiple Advanced Adenomas Better than T1 Colorectal Cancers: FITs by CRC Stage and AA Characteristics

Anton Gies, Tobias Niedermaier, Laura Fiona Gruner, Thomas Heisser, Petra Schrotz-King and Hermann Brenner

Table S1. T staging definitions for colorectal cancer according to the AJCC Cancer Staging Manual, Seventh Edition (2010) and resulting TNM classifications.

T Stage	Definition/Description		
T1	Tumor growth into (but not through) submucosa		
T2	Tumor growth into (but not through) muscularis propria		
T3	Tumor growth through muscularis propria into subserosa, or into non-peritonealised pericolic/perirectal tissues		
T4	Penetration of the visceral peritoneal layer or penetration or adhesion to adjacent organs		
TNM Classification Manual, 7th Edition:			
AJCC/UICC	TNM	Dukes	Comment
I	T1N0M0	A	
	T2N0M0	A	
II	T3N0M0	B	
	T4aN0M0	B	
	T4bN0M0	B	
III	T1-2N1M0	C	
	T1N2aM0	C	
	T3N1M0	C	
	T2N2aM0	C	
	T3N2aM0	C	
	T1N2bM0	C	
	T2N1cM0	C	
	T2N2bM0	C	
	T4aN1aM0	C	
	T4aN2aM0	C	
	T3N2bM0	C	
	T4aN2bM0	C	
	T4aN1bM0	C	
	T4aN1cM0	C	
	T4bN1aM0	C	
T4bN1bM0	C		
T4bN2aM0	C		
T4bN2bM0	C		
IV	M1a	D	Metastasized to one organ or site, any T, any N
	M1b	D	Metastasized to more than one organ or site, any T, any N

AJCC, American Joint Committee on Cancer; UICC, Union for International Cancer Control.

Table S2. Sensitivity (% (95%CI)) for AA by size at cutoffs yielding 93% specificity.

Variable	<i>n</i>	IDK Hb ELISA	QuantOn Hem	immoCARE-C	RIDASCREEN Hb	CAREprime	SENTiFIT-FOB Gold	Eurolyser FOB test	OC-Sensor
Overall	200	31.5 (25.1–38.4)	28.0 (21.9–34.8)	29.7 (23.4–36.5)*	31.0 (24.7–37.9)	29.5 (23.3–36.3)	28.5 (22.4–35.3)	31.0 (24.7–37.9)	26.5 (20.5–33.2)
<i>by size**</i>									
<5 mm	21	9.5 (1.2–30.4)	4.8 (0.1–23.8)	4.8 (0.1–23.8)	4.8 (0.1–23.8)	4.8 (0.1–23.8)	4.8 (0.1–23.8)	4.8 (0.1–23.8)	4.8 (0.1–23.8)
≥5–10 mm	34	23.5 (10.8–41.2)	17.7 (6.8–34.5)	29.4 (15.1–47.5)	23.5 (10.8–41.2)	23.5 (10.8–41.2)	26.5 (12.9–44.4)	29.4 (15.1–47.5)	20.6 (8.7–37.9)
≥10–30 mm	108	36.1 (27.1–45.9)	36.1 (27.1–45.9)	32.7 (24.0–42.5)*	37.0 (27.9–46.9)	34.3 (25.4–44.0)	31.5 (22.9–41.1)	35.2 (26.2–45.0)	30.6 (22.1–40.2)
≥30 mm	12	41.7 (15.2–72.3)	41.7 (15.2–72.3)	41.7 (15.2–72.3)	41.7 (15.2–72.3)	41.7 (15.2–72.3)	50.0 (21.1–78.9)	33.3 (10.0–65.1)	41.7 (15.2–72.3)
<i>p (trend)</i>		0.0094	0.0010	0.0240	0.0029	0.0056	0.0065	0.0349	0.0063

*Analysis based on one less AA case.; **25 of the 200 AA-cases were not included in this analysis, because grouping into the four size categories was not possible.

Abbreviations: AA, advanced adenoma; CI, confidence interval.