Supplementary Table 1 Reasons behind failed laser-based polyp size measurement, *n* (%)

Parameter	Value
Software malfunction	14 (22.9)
Technical difficulties	17 (27.9)
Anatomical interference	25 (41.0)
Missing	5 (8.2)

Supplementary Table 2 Patients' demographic and baseline characteristics per study center, *n* (%)

Parameter	Value					P-value
	A	B	C	D	E	
No. of patients	28	26	19	24	13	
Age (years), median (IQR)	67 (11.8)	63 (14.8)	68 (10.5)	70 (18.5)	74 (15.0)	0.119
Male sex	16 (57.1)	12 (46.2)	12 (63.2)	15 (62.5)	7 (53.8)	0.760
Personal history adenoma	6 (21.4)	18 (69.2)	13 (68.4)	13 (54.2)	6 (46.2)	0.003[a]
Personal history CRC	1 (3.6)	0 (0)	1 (5.3)	1 (4.2)	5 (38.5)	0.004[a]
Family history CRC	3 (10.7)	6 (23.1)	3 (15.8)	5 (20.8)	3 (23.1)	0.773
BBPS score, median (IQR)	6 (3.0)	9 (0.8)	9 (0)	6 (0)	6 (0)	<0.001[a]
Colonoscopy indication						<0.001[a]
Screening	27 (96.4)	6 (23.1)	7 (36.8)	5 (20.8)	2 (15.4)	
Surveillance	1 (3.6)	15 (57.7)	12 (63.2)	0 (0)	6 (46.2)	
Diagnostic	0 (0)	5 (19.2)	0 (0)	19 (79.2)	5 (38.4)	

[a]Statistically significant difference between the centers.

BBPS: Boston Bowel Preparation Scale; CRC: Colorectal cancer; IQR: Interquartile range.

Age and BBPS score have been tested for statistical significance with a Kruskal-Wallis test, and the rest of the variables have been tested for statistical significance with Chi-Square tests.

Supplementary Table 3 Polyp characteristics per study center, *n* (%)

Parameter	Value					P-value
	A	B	C	D	E	
No. of polyps	30	33	24	29	21	
Anatomical location						0.383
Cecum	2 (6.7)	6 (18.2)	2 (8.3)	1 (3.5)	3 (14.3)	
Ascending	7 (23.3)	9 (27.2)	6 (25.0)	7 (24.1)	3 (14.3)	
Transverse	8 (26.7)	6 (18.2)	3 (12.5)	11 (38.0)	8 (38.1)	
Descending	6 (20.0)	6 (18.2)	8 (33.3)	5 (17.2)	5 (23.7)	
Sigmoid	5 (16.6)	6 (18.2)	5 (20.9)	3 (10.3)	1 (4.8)	
Rectum	2 (6.7)	0 (0)	0 (0)	2 (6.9)	1 (4.8)	
Polyp size categories[1]						0.470
≤5 mm	24 (80.0)	29 (87.9)	21 (87.5)	24 (82.8)	17 (80.9)	
6-9 mm	4 (13.3)	4 (12.1)	3 (12.5)	3 (10.3)	4 (19.1)	
≥10 mm	2 (6.7)	0 (0)	0 (0)	2 (6.9)	0 (0)	
Polyp type						0.051
Adenoma	19 (63.4)	19 (57.6)	13 (54.2)	23 (79.3)	17 (80.9)	
Serrated	10 (33.3)	10 (30.3)	6 (25.0)	6 (20.7)	3 (14.3)	
Other	1 (3.3)	4 (12.1)	2 (8.3)	0 (0.0)	1 (4.8)	
Missing	0 (0.0)	0 (0.0)	3 (12.5)	0 (0.0)	0 (0.0)	
Paris classification						<0.001[a]
0-Ip	2 (6.7)	0 (0)	0 (0)	3 (10.3)	3 (14.3)	
0-Is	13 (43.3)	5 (15.2)	24 (100.0)	25 (86.2)	8 (38.1)	
0-IIa	15 (50.0)	28 (84.8)	0 (0)	1 (3.5)	8(38.1)	

Missing	0 (0)	0 (0)	0 (0)	0 (0)	2 (9.5)	
Resection method						<0.001[a]
Cold snare	25 (83.4)	31 (94.0)	12 (50.0)	8 (27.6)	10 (47.6)	
Hot snare	4 (13.3)	1 (3.0)	0 (0)	2 (6.9)	1 (4.8)	
EMR	1 (3.3)	0 (0)	0 (0)	0 (0)	0 (0)	
Missing	0 (0)	1 (3.0)	12 (50.0)	19 (65.5)	10 (47.6)	

[1]Number of polyps per size category based on the reference laser-based size measurements.

[a]Statistically significant difference between the centers. EMR: Endoscopic mucosal resection.

The variables have been tested for statistical significance with Chi-Square tests.