

Supplementary material

Supplementary Table 1 Time between second dose of the laxative and colonoscopy for BBPS categories in 435 patients who underwent colonoscopy. Optimal preparation was defined as a sum=9. Suboptimal preparation was defined as a sum of 6, 7 or 8

Time (h)	Optimal	Suboptimal	N
2,3	11 (78.57)	3 (21.43)	14 (100)
3,4	36 (69.23)	16 (30.77)	52 (100)
4,5	98 (69.01)	44 (30.99)	142 (100)
5,6	86 (64.18)	48 (35.82)	134 (100)
6,7	35 (57.38)	26 (42.62)	61 (100)
7,8	8 (44.44)	10 (55.56)	18 (100)
>8	5 (35.71)	9 (64.29)	14 (100)
Total	279 (64.14)	156 (35.86)	435 (100)

BBPS, Boston Bowel preparation scale

Supplementary Table 2 Univariate analysis for factors associated with sub-optimal colon preparation. 435 patients underwent colonoscopy. * <0.1 , ** <0.05 , *** <0.01

Factors	OR	95%CI	P-value
Age (years)	1	0.98-1.02	0.82
BMI (kg/m ²)	1.05	1.01-1.1	0.03**
Liquid intake (lt)	1.05	0.85-1.29	0.66
Time after second laxative dose (h)	1.26	1.09-1.46	0.002***
Sex			
Female	Reference		
Male	1.46	0.98-2.17	0.06*
Digestive surgery			
No	Reference		
Yes	1.15	0.74-1.79	0.53
Abdominal surgery			
No	Reference		
Yes	1.15	0.77-1.71	0.5
Constipation			
No	Reference		
Yes	0.77	0.4-1.46	0.42
Diabetes			
No	Reference		
Yes	0.79	0.42-1.51	0.48
Indication			
Screen	Reference		
Re-exam polypectomy	0.89	0.53-1.49	0.65
Other	0.85	0.54-1.33	0.47
Hypothyroidism			
No	Reference		
Yes	1.13	0.68-1.88	0.65
Neurological drugs			
No	Reference		
Yes	1.6	0.74-3.46	0.23
Diet			
No	Reference		
Yes	0.65	0.21-1.96	0.44
Dulcolax			
No	Reference		
Yes	0.78	0.44-1.38	0.39
Adverse events			
No	Reference		
Yes	1.34	0.77-2.32	0.3

OR, odds ratio; CI, confidence interval; BMI, body mass index

Supplementary Table 3 Multivariate analysis for factors associated with suboptimal colon preparation in 435 patients who underwent colonoscopy. Data adjusted for age. * <0.1 , ** <0.05 , *** <0.01

Factors	OR	95%CI	P-value
BMI (kg/m ²)	1.05	1-1.1	0.03**
Time after second laxative dose (h)	1.25	1.08-1.45	0.003***

OR, odds ratio; CI, confidence interval; BMI, body mass index

Supplementary Table 4 PDR and ADR proportions (95% confidence interval) for each region of the colon and total for 435 patients who underwent colonoscopy

Proportions	Ascending colon	Transverse and left colon	Total
PDR	62.76 (58.03-67.32)	57.47 (52.67-62.17)	80 (75.92-83.66)
ADR	34.94 (30.46-39.63)	29.89 (25.62-34.43)	48.74 (43.95-53.54)

PDR, polyp detection rate; ADR, adenoma detection rate

Supplementary Table 5 PDR and ADR for BBPS categories and Pearson χ^2 test for 435 patients who underwent colonoscopy

Total	PDR		ADR		
	No. of colonoscopies without polyps detected (%)	No. of colonoscopies with at least 1 polyp detected (%)	No. of colonoscopies without adenomas detected (%)	No. of colonoscopies with at least 1 adenoma detected (%)	
BBPS	P-value=0.544		P-value=0.075		
6	10 (28.57)	25 (71.43)	23 (65.71)	12 (34.29)	35 (100)
7	10 (17.54)	47 (82.46)	23 (40.35)	34 (59.65)	57 (100)
8	14 (21.88)	50 (78.13)	29 (45.31)	35 (54.69)	64 (100)
9	53 (19)	226 (81)	148 (53.05)	131 (46.95)	279 (100)
Total	87 (20)	348 (80)	223 (51.26)	212 (48.74)	435 (100)

PDR, polyp detection rate; ADR, adenoma detection rate; BBPS, Boston bowel preparation scale