

Supplementary table 1. Non-inferiority test of the primary outcome.

	Difference (95% CI)	P value for non-inferiority
ITT analysis	1.07 (-3.14 to 5.29)	0.024
PP analysis	0.91 (-4.51 to 2.69)	0.006

Abbreviations: ITT, intention-to-treat; PP, per-protocol; CI, confidential interval;

Supplementary table 2. Risk factors for inadequate bowel preparation

	Univariate analysis		Multivariate analysis	
	OR (95% CI)	P value	OR (95% CI)	P value
Adverse events				
No	reference		reference	
Yes	2.12 (1.31 to 3.43)	0.002	1.93 (1.18 to 3.18)	0.009
Preparation-to-colonoscopy interval \geq 8 h				
No	reference		reference	
Yes	11.7 (2.86 to 47.8)	0.001	7.92 (1.76 to 35.72)	0.007
Amount of solution actually taken < 80%				
No	reference		reference	
Yes	6.82 (3.54 to 13.2)	<0.001	6.13 (3.12 to 12.04)	<0.001

Abbreviations: OR, odds ratio; CI, confidential interval;

Supplementary table 3. ADR in patients with different indications.

	SSL group (n=470)	Standard group (n=470)	P value
Overall ADR, n (%)	91/470 (19.4%)	78/470 (16.6%)	0.270
Diagnosis	44/333 (13.2%)	31/316 (9.8%)	0.175
Male	27/162 (16.7%)	19/152 (12.5%)	0.297
Female	17/171 (9.9%)	12/164 (7.3%)	0.393
Screening/Surveillance	47/137 (34.3%)	47/154 (30.5%)	0.490
Male	28/69 (40.5%)	30/78 (38.5%)	0.793
Female	19/68 (27.9%)	17/76 (22.3%)	0.441