

**Supplementary Table 1.** Characteristics of the Different Groups of Constipated Subjects

Variables	All	IBS-C	FC	<i>P</i> -value	DD	Non-DD	<i>P</i> -value
Demographics							
Number	354 (100)	139 (40)	215 (60)	–	243 (69)	111(31)	–
Female	297 (84)	125 (90)	172 (80)	0.017	205 (69)	92 (67)	0.756
Age (yr)	46.0 ± 15.9	44.9 ± 16.0	46.8 ± 15.8	0.275	45.8 ± 16.0	46.5 ± 15.6	0.698
BMI (kg/m <sup>2</sup> )	25.5 ± 5.5	24.5 ± 4.3	26.1 ± 6.1	0.006	25.6 ± 5.6	25.2 ± 5.3	0.456
Clinical phenotype							
IBS-C	139 (39)	139 (100)	0 (0)	–	110 (79)	29 (21)	0.001
FC	215 (61)	0 (0)	215 (100)	–	133 (62)	82 (38)	
Scales							
Bristol stool form	2.1 ± 1.3	2.0 ± 1.4	2.1 ± 1.2	0.402	2.0 ± 1.3	2.3 ± 1.3	0.036
LS-constipation	6.0 ± 2.5	6.6 ± 2.1	5.6 ± 2.6	< 0.001	6.4 ± 2.2	5.0 ± 2.8	< 0.001
LS-bloating	5.1 ± 2.9	6.2 ± 2.6	4.5 ± 2.9	< 0.001	5.4 ± 2.8	4.6 ± 2.9	0.013
LS-abdominal pain	4.2 ± 2.9	5.7 ± 2.5	3.2 ± 2.8	< 0.001	4.5 ± 2.9	3.5 ± 2.9	0.003
CTT (hr)							
Right CTT	22.9 ± 21.5	23.9 ± 22.1	22.3 ± 21.1	0.484	23.6 ± 19.5	21.5 ± 25.4	0.408
Left CTT	28.2 ± 22.4	31.0 ± 24.7	26.3 ± 20.6	0.055	29.4 ± 22.6	25.5 ± 21.8	0.129
RSTT	17.9 ± 17.2	18.0 ± 18.4	17.8 ± 16.4	0.929	18.2 ± 17.3	17.2 ± 16.9	0.634
Total CTT	69.9 ± 43.3	73.1 ± 41.1	67.9 ± 44.6	0.271	71.1 ± 38.5	67.2 ± 52.3	0.434

IBS-C, irritable bowel syndrome with constipation; FC, functional constipation; DD, defecation disorders; BMI, body mass index; LS, Likert scale; CTT, colonic transit time; RSTT, rectosigmoid transit time.

Quantitative parameters are expressed as mean ± SD and qualitative parameters are shown as n (%).

*P* < 0.05 was considered significant.

**Supplementary Table 2.** Characteristics of the Constipated Subjects According to the Gender

Variables	All	Males	Females	P-value
Demographics				
Number	354 (100)	57 (16)	297 (84)	
Age (yr)	46.0 ± 15.9	48.9 ± 15.5	45.5 ± 15.9	0.342
BMI (kg/m <sup>2</sup> )	25.5 ± 5.5	26.0 ± 5.0	25.4 ± 5.6	0.638
Clinical phenotype				
IBS-C	139 (39)	14 (10)	125 (90)	0.017
FC	215 (61)	43 (20)	172 (80)	
DD	243 (69)	38 (67)	205 (69)	0.756
Scales				
Bristol stool form	2.1 ± 1.3	2.5 ± 1.5	2.0 ± 1.2	0.033
LS-constipation	6.0 ± 2.5	5.3 ± 2.6	6.1 ± 2.4	0.021
LS-bloating	5.1 ± 2.9	4.1 ± 2.8	5.3 ± 2.9	0.021
LS-abdominal pain	4.2 ± 2.9	3.4 ± 2.8	4.3 ± 2.9	0.003
CTT (hr)				
Right CTT	22.9 ± 21.5	19.5 ± 16.9	23.6 ± 22.2	0.140
Left CTT	28.2 ± 22.4	25.3 ± 20.5	28.8 ± 22.7	0.430
RSTT	17.9 ± 17.2	13.1 ± 13.1	18.8 ± 17.7	0.185
Total CTT	69.9 ± 43.3	57.8 ± 37.4	72.2 ± 44.0	0.282

BMI, body mass index; IBS-C, irritable bowel syndrome with constipation; FC, functional constipation; DD, defecation disorders; LS, Likert scale; CTT, colonic transit time; RSTT, rectosigmoid transit time.

Quantitative parameters are expressed as mean ± SD and qualitative parameters are shown as n (%).

*P* < 0.05 was considered significant.

**Supplementary Table 3.** Correlation Between Total and Segmental Colonic Transit Time and Self-reported Evaluation of Symptoms

Scales	Right CTT		Left CTT		RSTT		Total CTT	
	<i>r</i>	<i>P</i> -value	<i>r</i>	<i>P</i> -value	<i>r</i>	<i>P</i> -value	<i>r</i>	<i>P</i> -value
LS-constipation	0.164	0.002	0.181	0.001	0.057	0.282	0.222	< 0.001
LS-bloating	0.068	0.204	0.033	0.538	-0.119	0.025	-0.002	0.975
LS-abdominal pain	0.104	0.050	0.051	0.342	-0.079	0.139	0.064	0.233
Bristol stool form	-0.130	0.014	-0.201	< 0.001	-0.142	0.007	-0.235	< 0.001

CTT, colonic transit time; RSTT, rectosigmoid transit time; LS, Likert scale.  
*P* < 0.05 was considered significant.