

Supplementary Table 1 Children's general data

General information		Routine nursing group (n=6)	Rehabilitati on training group (n=12)	T/x2/z	P
Gender	man	3 (50.00)	8 (66.67)	0.468	0.494
[n(%)]	woman	3 (50.00)	4 (33.33)		
Age (years old, ± s)		5.24±3.05	5.16±3.14	0.051	0.960
Course of intussusception (h, ± s)		15.89±5.74	16.35±6.12	0.153	0.880
Onset season[n (%)]	Spring and Autumn Period	2 (33.33)	4 (33.33)	0.201	0.841
	summer	1 (16.67)	3 (25.00)		
	winter	3 (50.00)	5 (41.67)		
clinical symptoms[n (%)]	vomit generate heat	1 (16.67)	3 (25.00)	0.188	0.980
	diarrhea	1 (16.67)	2 (16.67)		
	other	3 (50.00)	5 (41.67)		
Fasting time[n (%)]	<4h	5 (83.33)	8 (66.67)	0.554	0.457
	≥4h	1 (16.67)	4 (33.33)		
Sleeve position[n (%)]	Right lower abdomen	4 (66.67)	10 (83.33)	0.643	0.423
	other	2 (33.33)	2 (16.67)		

Daily rehabilitation time (min, ± s)`	-	42.68±3.75	-	-
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Supplementary Table 2 Children's gastrointestinal recovery time (mean ± SD, h)

group	Time of first defecation	Recovery time of bowel sounds	Anal exhaust time
Routine nursing group (n=6)	60.39±5.62	35.56±11.35	32.25±5.86
Rehabilitation training group (n=12)	40.15±5.17	24.05±8.01	20.11±3.24
t	7.617	2.506	5.731
P	0.000	0.023	0.000

Supplementary Table 3 Children's gastrointestinal function (±s)

group	GAS (mmol/L)	MTL (pg/mL)
Routine nursing group (n=6)	90.65±8.26	254.65±36.98
Rehabilitation training group (n=12)	100.33±8.76	328.68±35.91
t	2.249	4.085
P	0.039	0.001

Supplementary Table 4 Children's inflammatory factor levels (mean ± SD)

Inflammatory	Routine	Rehabilitation	t	P
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factor	nursing group (n=6)	training group (n=12)		
IL-2($\mu\text{g/L}$)	3.42 \pm 0.41	2.81 \pm 0.10	5.006	0.000
IL-4($\mu\text{g/L}$)	4.68 \pm 0.52	3.51 \pm 0.18	7.161	0.000
IL-6($\mu\text{g/L}$)	9.43 \pm 0.89	5.21 \pm 0.15	16.458	0.000
IL-10($\mu\text{g/L}$)	7.35 \pm 0.58	3.82 \pm 0.20	19.386	0.000
hs-CRP(mg/L)	8.36 \pm 0.87	3.02 \pm 0.24	20.324	0.000
TNF-($\mu\text{g/L}$)a(121.59 \pm 12.40	80.39 \pm 6.42	9.428	0.000