

Category	N	Male ratio	Age
Supine Position	24	79.2%	52.79±12.18
Cervical artificial disc replacement	7		
Cervical anterior discectomy and fusion	17		
Prone Position	58	53.5%	56.43±16.32
Cervical posterior approach	8		
Thoracic posterior approach	9		
Lumbar posterior approach	41		
Total	82		
<i>P</i> -value between supine and prone position		0.03	0.328

Category	N	Male ratio	Age
Treatment with prophylactic gastrointestinal motility medications	36	47.2%	52.71±14.20
Supine Position	8		
Prone Position	28		
Treatment with a placebo	30	60.0%	58.63±12.98
Supine Position	7		
Prone Position	23		
Total	66		
P-value between subject and control groups		0.308	0.080

The basic demographic data of the each subgroup were not different without meaningful values. In the first phase study to analyze the prevalence of paralytic ileus, 27 patients (32.9%) of radiographic paralytic ileus and 11 patients (13.4%) of symptomatic paralytic ileus were observed. The radiographic paralytic ileus was statistically significantly increased in prone positioned patients ($p=0.044$), but the symptomatic paralytic ileus was statistically not different between supine and prone positioned patients ($p=0.385$). The therapeutic effect of prophylactic gastrointestinal motility medication after spinal operation, the prophylactic medication was not useful to prevent the symptomatic paralytic ileus (11.1% with prophylactic medication group and 16.7% with placebo groups, $p=0.513$).

Category	Prophylactic medications	Placebo	Total	P-value
No symptomatic paralytic ileus	32	25	57	0.513
Symptomatic paralytic ileus	4	5	9	
Total	36	30	66	

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