

Tables

Table 1. Clinical characteristics of the study population.

Age (years) (Mean±SD)	52.3±12.3
ASA score, n (%)	
1	13 (31.7)
2	20 (48.8)
3	8 (19.5)
Body mass index (kg/m²) (Mean±SD)	28.8±5.2
Type of malignancy, n (%)	
Ovarian cancer	28 (70.0)
Endometrial cancer	6 (15.0)
Cervical cancer	4 (10.0)
Ovarian and endometrial cancer	2 (5.0)
Type of surgery, n (%)	
Primary	31 (78.5)
Recurrent	9 (22.5)
Neoadjuvant CT/CRT, n (%)	
No	26 (65.0)
Yes	14 (35.0)
Hospitalization time (days) (Mean±SD)	15.0±10.3
Suffering Anastomotic Leakage, n (%)	
No	35 (87.5)
Yes	5 (12.5)

SD= Standard deviation; n= Number; %= Column percent; CT = Chemotherapy; CRT = Chemoradiotherapy

Table 2. Surgical data of the study population.

Type of operation, n (%)	
Rectosigmoid resection	27 (67.5)
Right colectomy	4 (10.0)
Left colectomy	1 (2.5)
Jejunioileal resection	6 (15.0)
Total subcolectomy and jejunioileal resection	1 (2.5)
Transverse colectomy	1 (2.5)
Ostomy, n (%)	
No	37 (92.5)
Yes	3 (7.5)
Technique of anastomosis, n (%)	
Stapler	33 (82.5)
Handsewn	7 (17.5)
Performing surgeon, n (%)	
General surgeon	27 (67.5)
Gyne-oncolog	13 (32.5)
Operation time (minutes) (Mean±SD)	
	367.6±122.3
Peritonectomy, n (%)	
No	17 (42.5)
Yes	23 (57.5)
Splenectomy, n (%)	
No	36 (90.0)
Yes	4 (10.0)
Pelvic / paraaortic lymph node resection, n (%)	
No	13 (32.5)
Yes	27 (67.5)
Appendectomy, n (%)	
No	20 (50.0)
Yes	20 (50.0)

SD= Standard deviation; n= Number; %= Column percent

Table 3. Comparison of serum markers within 10 days postoperatively in the group with and without anastomotic leakage.

Serum markers	POD	No Anastomotic leak group	Anastomotic leak group	p
		Mean±SD (Median)	Mean±SD (Median)	
Procalcitonin (ng/mL)	1	2.6±4.8 (1.1)	3.7±3.3 (3.8)	0.352
	2	2.3±3.6 (0.6)	2.0±1.7 (2.1)	0.834
	3	1.8±2.7 (0.5)	1.6±1.0 (1.8)	0.519
	4	0.9±1.2 (0.4)	1.2±0.4 (1.4)	0.130
	5	0.9±2.0 (0.2)	0.5±0.5 (0.3)	0.571
	6	0.4±0.8 (0.2)	0.4±0.3 (0.3)	0.254
	7	0.3±0.4 (0.1)	0.4±0.3 (0.3)	0.168
	8	0.2±0.3 (0.1)	17.7±35.1 (0.2)	0.461
	9	0.1±0.1 (0.1)	19.6±27.1 (9.6)	0.246*
	10	0.1±0.1 (0.1)	14.3±15.8 (13.1)	0.169*
Albumin (mg/dL)	1	2.6±0.5 (2.7)	2.6±0.4 (2.4)	0.999*
	2	2.5±0.3 (2.4)	2.4±0.4 (2.3)	0.282
	3	2.6±0.3 (2.5)	2.4±0.1 (2.3)	0.028*
	4	2.7±0.3 (2.7)	2.3±0.4 (2.5)	0.045*
	5	2.7±0.4 (2.7)	2.6±0.5 (2.5)	0.644*
	6	2.6±0.4 (2.6)	2.6±0.3 (2.5)	0.779*
	7	2.6±0.3 (2.6)	2.6±0.2 (2.6)	0.763*
	8	2.7±0.2 (2.6)	2.2±0.7 (2.5)	0.075*
	9	2.5±0.4 (2.2)	2.4±0.2 (2.4)	0.610*
	10	2.6±0.2 (2.6)	2.0±0.4 (2.0)	0.133
Platelets	1	254861.1±97714.8 (271000.0)	155200.0±29524.6 (168000.0)	<0.001*
	2	216142.9±81178.5 (208000.0)	146600.0±32959.1 (155000.0)	0.068*
	3	209945.3±89196.5 (205000.0)	136750.0±39432.4 (148000.0)	0.117*
	4	226633.3±98271.1 (206500.0)	139333.3±48335.6 (1150000.0)	0.143*
	5	238266.7±112524.6 (230000.0)	197200.0±97466.4 (174000.0)	0.448*

(× 10 ³ /uL)	6	282172.4±122632.2 (272000.0)	194000.0±78543.0 (193000.0)	0.133*
	7	317185.2±133790.0 (302000.0)	227000.0±91923.9 (242500.0)	0.214
	8	324777.8±103363.2 (294000.0)	224800.0±85145.2 (272000.0)	0.091*
	9	334428.6±131498.9 (311000.0)	201000.0±173026.0 (192500.0)	0.181*
	10	362600.0±97623.3 (347000.0)	205750.0±167039.7 (160000.0)	0.120*

POD= Postoperative day; SD= Standard deviation; p= Mann-Whitney U testi, *= Student t testi

Table 4. Clinical and surgical details of the 5 patients with anastomotic leakage.

Patient	Age (years)	Type of malignancy	Other Surgical procedures	Anastomosis	Performing surgeon	PCT (POD 9)	Re-operation	Discharge before AL diagnosis (POD)	Definitive discharge/exitus (POD)
1	44	Recurrent Cervical Cancer	-	RS (S)	GS	0.15	Yes (10)	No	Definitive discharge (34)
2	61	Primary Ovarian Cancer	Per,App	RS (S)	GO	59.28	Yes (8)	No	Definitive discharge (60)
3	63	Primary Ovarian/Endometrial Cancer	Per,PPA,App	TJ (S)	GS	4.56	Yes (9)	No	Definitive discharge (32)
4	64	Primary Ovarian Cancer	Per,PPa	RS (S)	GS	-	No	Yes (10)	Definitive discharge (20)
5	70	Primary Endometrial	Per,PPa	TC (H)	GS	14.53	Yes (9)	No	Exitus (20)

Cancer

POD = Postoperative day; AL = Anastomotic leakage; PCT = Procalcitonin; App= Appendectomy; Per = Peritonectomy; PPa = Pelvic-paraaortic lymph node resection; RS = Rectosigmoid resection; TC = Transverse colectomy; TJ = Total subcolectomy plus jejunoileal resection; S = Stapler, H = Handsewn; GS = General surgeon; GO = Gyne-oncolog.

