

Table SI. Surgical complexity score at the University of Science and Technology of China.

Organs	Score	Comments
TH-BSO	1	
Omentectomy	1	
Pelvic lymphadenectomy	1	
Para-aortic lymphadenectomy	1	
Abdominal peritoneum stripping	1	
Pelvic peritoneum stripping	1	
Recto-sigmoidectomy-T-T anastomosis	3	
Large bowel resection	2	Including stoma
Diaphragm stripping/resection	2	
Diaphragm burning	1	
Splenectomy	2	
Liver resection	2	
Small bowel resection	1	
Groin lymphadenectomy	1	
Partial gastrectomy	1	
Total colon-T-T anastomosis	3	
Lesser sac	2	
Ureter resection and anastomosis	2	
Diaphragm resection-repair	3	
Total/part nephrectomy resection	2	
Gallbladder resection	2	
Pancreatic tail or body resection	2	
Cardio-phrenic lymphadenectomy	3	
Portal lymphadenectomy	3	

TH-BSO, total hysterectomy-bilateral salpingo oophorectomy.

Table SII. Clavien-Dindo classification of surgical complications.

Grade	Definition
1	Any deviation from the normal postoperative course without the need for pharmacological treatment or surgical, endoscopic, and radiological interventions. Allowed therapeutic regimens are: Drugs as antiemetics, antipyretics, analgetics, diuretics, electrolytes and physiotherapy. This grade also includes wound infections opened at the bedside
2	Requiring pharmacological treatment with drugs other than such allowed for grade I complications. Blood transfusions and total parenteral nutrition are also included
3	Requiring surgical, endoscopic or radiological intervention
3a	Intervention not under general anesthesia
3b	Intervention under general anesthesia
4	Life-threatening complication (including CNS complications) ^a requiring IC/ICU management
4a	Single organ dysfunction (including dialysis)
4b	Multiorgan dysfunction
5	Death of a patient
Suffix “d”	If the patient suffers from a complication at the time of discharge (see examples in Table II), the suffix “d” (for “disability”) is added to the respective grade of complication. This label indicates the need for a follow-up to fully evaluate the complication

^aBrain hemorrhage, ischemic stroke, subarachnoidal bleeding, but excluding transient ischemic attacks.

CNS, central nervous system; IC, intermediate care; ICU, intensive care unit.

Table SIII. Characteristics of patients with grade 3-5 postoperative complications (n=15).

Case	BMI, kg/m ²	FIGO Stage	ALB, g/l	Comorbid illnesses	ASA score	CA125, U/ml	Ascites, ml	Estimated blood loss, ml	Residual disease	SCS	Grade 3-5 postoperative complications
1	18.7	IIIC	35.8		2	1023	2500	1500	R0	13	Pancreatic leak requiring drainage, gastric fistula requiring drainage (splenectomy and distal pancreatectomy)
2	21.9	IV	37.1	Hypertension	2	3035	1000	1000	R0	6	Pancreatic leak requiring drainage (splenectomy)
3	17.5	IV	38.9		2	1489	3500	2500	R0	7	Bladder fistula requiring surgery
4	28.7	IV	36.7		2	519	7000	3000	R0	12	Closure of dehiscence non-infected wound under general anesthesia
5	24.7	IV	38.3	Hypertension, renal calculus	3	392	100	600	R0	6	Closure of dehiscence non-infected wound under general anesthesia
6	24.0	IV	44.5		3	1637	500	3500	R0	18	Closure of dehiscence non-infected wound under general anesthesia
7	21.5	IV	26.9	Hypertension	2	5000	4500	1500	R0	8	Closure of dehiscence non-infected wound under general anesthesia
8	20.8	IV	38.2		2	1146	2000	600	R1	10	Closure of dehiscence non-infected wound under general anesthesia
9	23.2	IV	42.5		3	2319	200	3000	R0	7	Closure of dehiscence non-infected wound under general anesthesia
10	26.6	IIIC	41.4		2	2188	500	1200	R0	6	Closure of dehiscence non-infected wound under general anesthesia
11	26.3	IIIC	40.5		3	2293	2000	1200	RX	4	Closure of dehiscence non-infected wound under general anesthesia
12	22.8	IV	41.3		3	4649	500	1500	R0	15	Closure of dehiscence non-infected wound

											under general anesthesia
13	20.7	IIIC	34.8	Somnipathy	3	2619	3000	2000	R0	13	Acute respiratory failure requiring intubation
14	25.9	IV	47.4	Cervical cancer after radiotherapy	3	265	600	1000	R0	6	Rectum fistula requiring surgery
15	27.2	IV	28.9	-	3	1735	3000	2000	R0	12	Acute respiratory failure requiring intubation, acute cardiopulmonary failure, septic shock, death

BMI, body mass index; ALB, albumin; ASA, American Society of Anesthesiologists; SCS, surgical complexity score; FIGO, Federation International of Gynecology and Obstetrics; CA125, cancer antigen 125.

Table SIV. Distribution of complications.

Number of complications	Grade 1-2	Grade 3-5
1	17	11
2	10	3
3	4	0
4	2	1
Total	33	15

Table SV. Characteristics of patients with full-thickness diaphragm resection (n=16).

Case	BMI, kg/m ²	FIGO Stage	ALB, g/l	Comorbid illnesses	ASA score	CA125, U/ml	Ascites, ml	Estimated blood loss, ml	Residual disease	SCS	Mesh	Right cardio-phrenic angle lymph node resection	Grade 3-5 post-operative complications
1	24.6	IIIC	42.7	Hypertension, diabetes	2	1332	2000	3000	R0	17	Yes	Yes	
2	24.0	IV	44.5	-	3	1637	500	3500	R0	18	Yes	-	Closure of dehiscent non-infected wound under local anesthesia
3	21.5	IV	26.9	Hypertension	2	5000	4500	1500	R0	8	-	-	Closure of dehiscent non-infected wound under local anesthesia
4	20.2	IV	40.3	-	3	1821	3000	6000	R0	12	-	-	-
5	17.7	IV	29.6	History of breast cancer	1	247	500	1000	R0	11	-	-	
6	27.2	IV	28.9	-	2	1734	3000	2000	R0	12	-	-	Acute respiratory failure requiring intubation, acute cardiopulmonary failure, septic shock and death

7	23.2	IV	37.0	Hypertension, cerebral infarction history	2	1108	3500	2400	R0	22	Yes	Yes	
8	19.5	IV	36.0		3	7458	1000	800	R0	11	-	-	-
9	22.2	IV	45.9		3	1595	5000	1000	R1	6	-	-	-
10	24.8	IIIC	44.8	Hypertension	3	330	600	800	R0	11	Yes	-	-
11	26.2	IV	40.4		2	3779	2000	1000	R0	14	Yes	-	-
12	25.7	IIIC	39.8	Uterine clear cell carcinoma	3	844	2000	1000	R0	17	-	-	-
13	25.8	IIIC	48.5		3	2024	0	800	R0	12	-	-	-
14	23.9	IVa	36.8		3	412	4000	3000	R0	11	-	-	-
15	18.4	IIIC	34.8	Diabetes	3	358	3000	1500	R0	12	-	-	-
16	27.0	IIIC	36.0		3	1000	10000	1000	R0	14	-	-	-

BMI, Body mass index; ALB, albumin; ASA, American Society of Anesthesiologists; SCS, surgical complexity score; FIGO, Federation International of Gynecology and Obstetrics; CA125, cancer antigen 125.