

**S3 Table.** Complications and health care utilization index associated with radical hysterectomy for cervical cancer

Variable	Unadjusted			Inverse probability of treatment weighting		
	Abdominal RH	Laparoscopic RH	p-value	Abdominal RH	Laparoscopic RH	p-value
Total patients	3,235 (100)	3,100 (100)		3,171 (100)	3,166 (100)	
Intraoperative complications	404 (12.5)	294 (9.5)	< 0.001	382 (12.0)	313 (9.9)	< 0.001
Bladder injury	27 (0.8)	33 (1.1)	0.345	26 (0.8)	35 (1.1)	0.678
Ureter injury	367 (11.3)	263 (8.5)	< 0.001	345 (10.9)	280 (8.8)	< 0.001
Intestinal injury	46 (1.4)	9 (0.3)	< 0.001	42 (1.3)	10 (0.3)	< 0.001
Vascular injury	9 (0.3)	3 (0.1)	0.097	9 (0.3)	3 (0.1)	0.027
Postoperative complications	684 (21.1)	598 (19.3)	0.066	689 (21.7)	616 (19.5)	0.002
Bladder dysfunction	76 (2.3)	83 (2.7)	0.404	74 (2.3)	86 (2.7)	0.164
Lymphocele	50 (1.5)	15 (0.5)	< 0.001	49 (1.5)	14 (0.4)	< 0.001
Lymphedema	523 (16.2)	474 (15.3)	0.503	534 (16.8)	483 (15.3)	0.016
Bowel obstruction	73 (2.3)	24 (0.8)	< 0.001	69 (2.2)	28 (0.9)	< 0.001
Fistula	32 (1.0)	35 (1.1)	0.587	31 (1.0)	39 (1.2)	0.157
Surgical site complications	266 (8.2)	190 (6.1)	0.001	257 (8.1)	197 (6.2)	< 0.001
Abscess	260 (8.0)	189 (6.1)	0.003	251 (7.9)	196 (6.2)	< 0.001
Wound disruption	108 (3.3)	58 (1.9)	< 0.001	104 (3.3)	60 (1.9)	< 0.001
Incisional hernia	8 (0.2)	1 (0.0)	0.023	8 (0.3)	1 (0.0)	0.001
Medical complications	673 (20.8)	598 (19.3)	0.133	645 (20.3)	636 (20.1)	0.739
Venous thromboembolism	163 (5.0)	144 (4.6)	0.466	161 (5.1)	150 (4.7)	0.322
Myocardial infarction	11 (0.3)	3 (0.1)	0.039	10 (0.3)	6 (0.2)	0.013
Cardiopulmonary arrest	14 (0.4)	1 (0.0)	0.001	13 (0.4)	1 (0.0)	< 0.001
Respiratory failure	5 (0.2)	3 (0.1)	0.517	4 (0.1)	4 (0.1)	0.928
Renal failure	68 (2.1)	25 (0.8)	< 0.001	60 (1.9)	28 (0.9)	< 0.001
Bacteremia/sepsis	202 (6.2)	152 (4.9)	0.020	100 (3.2)	153 (4.8)	< 0.001
Shock	111 (3.4)	131 (4.2)	0.099	120 (3.8)	109 (3.4)	0.325

Pneumonia	122 (3.8)	103 (3.3)	0.335	575 (18.1)	513 (16.2)	0.004
Delirium	7 (0.2)	4 (0.1)	0.404	6 (0.2)	5 (0.2)	0.417
Acute pyelonephritis	102 (3.2)	110 (3.5)	0.382	96 (3.0)	118 (3.7)	0.030
Stroke	43 (1.3)	28 (0.9)	0.107	38 (1.2)	32 (1.0)	0.351
Blood transfusions	1,913 (59.1)	897 (28.9)	< 0.001	1,857 (58.6)	949 (30.0)	< 0.001
Health care utilization						
ICU care	485 (15.0)	327 (10.5)	< 0.001	491 (15.5)	362 (11.4)	< 0.001
30-day re-operation	80 (2.5)	32 (1.0)	< 0.001	74 (2.3)	33 (1.0)	< 0.001
In-hospital mortality	9 (0.3)	8 (0.3)	0.877	9 (0.3)	9 (0.3)	0.991
Discharge and readmission						
Non-routine discharge	170 (5.3)	204 (6.6)	0.025	161 (5.1)	212 (6.7)	< 0.001
30-Day readmission	286 (8.8)	264 (8.5)	0.646	282 (8.9)	270 (8.5)	0.436
30-Day ER visit	207 (6.4)	193 (6.2)	0.777	205 (6.5)	200 (6.3)	0.714
Length of stay						
Mean±SD	17.0±8.46	13.8±7.42	< 0.001	-	-	-
Median (IQR)	15 (12-20)	12 (9-17)		-	-	-
Median cost of care <sup>a)</sup>						
Inpatient, mean±SD	4,719±2,233	4,798±1,428	0.092	-	-	-
Median (IQR)	4,233 (3,494-5,354)	4,513 (3,835-5,451)		-	-	-
30-day, mean±SD	767±1,583	540±1,090	< 0.001	-	-	-
Median (IQR)	170 (38-952)	120 (36-609)		-	-	-
90-day, mean±SD	4,729±4,156	2,991±3,666	< 0.001	-	-	-
Median (IQR)	4,874 (575-7,623)	842 (241-5,906)		-	-	-
6-month, mean±SD	6,627±5,820	4,262±4,907	< 0.001	-	-	-
Median (IQR)	6,552 (1,239-9,834)	1,818 (711-7,441)		-	-	-

RH, radical hysterectomy; ICU, intensive care unit; ER, emergency room; SD, standard deviation; IQR, interquartile range.