

Supplementary Materials

Table S1. Multivariate analysis of factors associated with increased total costs in 37 patients who underwent RAMIE for EC or cancer of the GEJ.

Parameters	UV		MV		Total cost/stay, €, median (range) [%]
	<36,826 € per case (n = 27)	≥36,826 € per case (n = 10)	P	HR (95 % CI)	
Male sex, n (%)	25 (93)	7 (70)	0.110		
Age ≥65 years, n (%)	11 (41)	6 (60)	0.460		
BMI ≥30 kg/m ² , n (%)	3 (11)	1 (10)	1		
ASA score ≥3, n (%)	13 (50)	7 (70)	0.456		
Length of procedure ≥421 minutes ^{&} , n (%)	13 (48)	6 (69)	0.714		
Readmission to ICU, n (%)	2 (7)	5 (50)	0.009		NS
Length of ICU stay ≥4 days ^{&} , n (%)	16 (59)	5 (50)	0.716		
Length of hospital stay ≥15 days ^{&} , n (%)	11 (41)	9 (90)	0.010		NS
Anastomotic leak, n (%)	1 (4)	3 (30)	0.052		NS
Postoperative pneumonia, n (%)	1 (4)	2 (20)	0.172		

UV, univariate analysis; MV, multivariate analysis; BMI, body-mass index; ASA, American Society of Anesthesiologists; ICU, intensive care unit; NS, not significant; &, median of whole cohort; %, refers to median total cost per stay in the subgroup in which the parameter applies

Table S2. Multivariate analysis of factors associated with increased total costs in 91 patients who underwent MIE for EC or cancer of the GEJ.

Parameters	UV		MV		Total cost/stay, €, median (range) [%]
	<47,166 € per case (n = 67)	≥47,166 € per case (n = 22)	P	HR (95 % CI)	
Male sex, n (%)	56 (82)	19 (83)	1		
Age ≥65 years, n (%)	25 (37)	13 (57)	0.097		NS
BMI ≥30 kg/m ² , n (%)	12 (18)	3 (14)	0.752		
ASA score ≥3, n (%)	35 (52)	14 (64)	0.351		
Length of procedure ≥372 minutes ^{&} , n (%)	37 (54)	9 (39)	0.205		
Readmission to ICU, n (%)	7 (10)	14 (61)	<0.001		NS
Length of ICU stay ≥3 days ^{&} , n (%)	42 (62)	22 (96)	0.002	20.9 (1.6-278.8)	0.021 32,634 (19,666-303,453)
Length of hospital stay ≥17 days ^{&} , n (%)	25 (37)	23 (100)	<0.001		NS
Anastomotic leak, n (%)	2 (3)	11 (48)	<0.001	10.3 (1.8-60.0)	0.009 67,434 (26,748-303,453)
Postoperative pneumonia, n (%)	9 (13)	14 (61)	<0.001		NS

UV, univariate analysis; MV, multivariate analysis; BMI, body-mass index; ASA, American Society of Anesthesiologists; ICU, intensive care unit; NS, not significant; &, median of whole cohort; %, refers to median total cost per stay in the subgroup in which the parameter applies