Appendix 5. Results of meta-regression investigating the heterogeneity in the meta-analyses for mortality and its potential explanatory variables in **A**. radical nephrectomy and **B**. partial nephrectomy.

A.

Explanatory Variable	Regression Coefficient	95% Confidence Interval	p Value
Study year	0.96	0.88, 1.04	0.24
Country of Study			
England	1.46	0.70-3.02	0.24
Japan	0.76	0.28-2.04	0.50
Norway	0.42	0.10-1.76	0.18
USA	1.06	0.51, 2.21	0.85
Data type			
Administrative	1.36	0.71, 2.61	0.28
Clinical	0.74	0.38, 1.32	0.28
Number of patients	1.00	1.00, 1.00	0.45
Number of hospitals	1.00	1.00, 1.00	0.14
Patient age (mean)	0.92	0.70, 1.19	0.36
Patient gender (% of male)	0.96	0.88, 1.05	0.25
Threshold for HV hospitals	0.99	0.99, 1.00	0.01

B.

Explanatory Variable	Regression Coefficient	95% Confidence Interval	p Value
Study year	0.96	0.80, 1.14	0.51
Country of Study			
England	1.42	0.46, 4.27	0.40
Japan	1.19	0.67, 2.13	0.41
USA	0.80	0.51, 1.26	0.22
Data type			
Administrative	1.09	0.61, 1.97	0.66
Clinical	0.91	0.51, 1.65	0.66
Number of patients	1.00	1.00, 1.00	0.26
Number of hospitals	1.00	0.99, 1.00	0.80
Patient age (mean)	1.04	0.97, 1.11	0.16
Patient gender (% of male)	0.99	0.80, 1.23	0.87
Threshold for HV hospitals	1.00	0.93, 1.07	0.83