Univariate analysis for short-term (30-day) mortality. All patients (n=1011).

Variable	OR	95% CI	P
Age	1.044	1.013-1.077	0.006
Sex	0.584	0.224-1.518	0.269
Body mass index	0.971	0.869-1.084	0.598
ASA class	9.739	4.466-21.238	<0.001
Number of comorbidities			0.010
Presence of one chronic disease compared to no comorbidity	28.149	3.642-217.562	0.001
Presence of two chronic diseases compared to no comorbidity	27.838	2.856-271.338	0.004
Presence of 3 or more chronic diseases compared to no comorbidity	50.480	4.429-575.408	0.002
Grade of surgery			0.693
Intermediate surgery compared to minor surgery	0.647	0.215-1.943	0.438
Major surgery compared to minor surgery	0.991	0.311-3.160	0.988
Urgency of surgery			<0.001
Urgent surgery compared to elective surgery	13.532	2.945-62.183	0.001
Emergency surgery compared to elective surgery	34.678	6.847-175.627	<0.001
Use of World Health Organization's checklist	0.353	0.114-1.095	0.071
Surgical category			0.933
Use of cardiac output monitoring	1.043	0.136-7.989	0.967
Night surgery	1.087	0.142-8.326	0.936
Post-anaesthesia care unit length of stay	0.996	0.991-1.001	0.149
Intensive care unit admission	8.580	2.675-27.527	<0.001

Registered chronic diseases were cirrhosis, heart failure, chronic obstructive pulmonary disease, coronary artery disease, diabetes mellitus (treated or not treated by Insulin), metastatic cancer and stroke or transient ischemic attack; ASA, American Society of Anesthesiologists' physical status; OR, odds ratio; CI, confidence interval.

Univariate analysis for long-term (1-year) mortality. All patients (n=1011).

Variable	OR	95% CI	*P*
Age	1.072	1.053-1.091	<0.001
Sex	0.789	0.507-1.229	0.294
Body mass index	0.930	0.878-0.984	0.012
ASA class	4.101	2.958-5.686	<0.001
Number of comorbidities			<0.001
Presence of one chronic disease compared to no comorbidity	7.266	4.090-12.910	<0.001
Presence of two chronic diseases compared to no comorbidity	8.109	3.752-17.524	<0.001
Presence of 3 or more chronic diseases compared to no comorbidity	18.088	7.108-46.031	<0.001
Grade of surgery			0.022
Intermediate surgery compared to minor surgery	0.981	0.564-1.705	0.945
Major surgery compared to minor surgery	1.910	1.090-3.347	0.024
Urgency of surgery			<0.001
Urgent surgery compared to elective surgery	3.671	2.251-5.987	<0.001
Emergency surgery compared to elective surgery	5.593	2.806-11.147	<0.001
Use of World Health Organization's checklist	0.546	0.290-1.028	0.061
Surgical category			
Use of cardiac output monitoring	1.370	0.569-3.300	0.482
Night surgery	2.054	0.934-4.516	0.074
Post-anaesthesia care unit length of stay	1.001	1.000-1.002	0.019
Intensive care unit admission	4.550	2.115-9.787	<0.001

Registered chronic diseases were cirrhosis, heart failure, chronic obstructive pulmonary disease, coronary artery disease, diabetes mellitus (treated or not treated by Insulin), metastatic cancer and stroke or transient ischemic attack; ASA, American Society of Anesthesiologists' physical status; OR, odds ratio; CI, confidence interval.

Multivariate analyses for long-term (1-year) mortality. All patients (n=1011). All significant variables in univariate analyses are included in the model.

Variable	OR	95% CI	*P*
Age	1.045	1.021-1.069	<0.001
Body mass index	0.948	0.888-1.012	0.109
ASA class	1.299	0.788-2.141	0.305
Number of comorbidities			0.001
Presence of one chronic disease compared to no comorbidity	4.851	2.241-10.500	<0.001
Presence of two chronic diseases compared to no comorbidity	3.469	1.199-10.035	0.022
Presence of 3 or more chronic diseases compared to no comorbidity	4.215	1.264-14.048	0.019
Grade of surgery			0.627
Intermediate surgery compared to minor surgery	0.822	0.404-1.671	0.588
Major surgery compared to minor surgery	1.179	0.519-2.678	0.694
Urgency of surgery			0.001
Urgent surgery compared to elective surgery	3.337	1.750-6.364	<0.001
Emergency surgery compared to elective surgery	3.295	1.221-8.896	0.019
Post-anaesthesia care unit length of stay	1.001	1.000-1.002	0.263
Intensive care unit admission	4.865	0.766-30.906	0.093

Registered chronic diseases were cirrhosis, heart failure, chronic obstructive pulmonary disease, coronary artery disease, diabetes mellitus (treated or not treated by Insulin), metastatic cancer and stroke or transient ischemic attack; ASA, American Society of Anesthesiologists' physical status; OR, odds ratio; CI, confidence interval.

Sensitivity analysis 1A. Univariate analyses for long-term (1-year) mortality. Patients with available BMI data (n=853).

Variable	OR	95% CI	*P*
Age	1.073	1.053-1.095	<0.001
Sex	1.042	0.647-1.679	0.865
Body mass index	0.931	0.880-0.985	0.014
ASA class	3.935	2.768-5.595	<0.001
Number of comorbidities			<0.001
Presence of one chronic disease compared to no comorbidity	8.394	4.482-15.719	<0.001
Presence of two chronic diseases compared to no comorbidity	7.668	3.236-18.169	<0.001
Presence of 3 or more chronic diseases compared to no comorbidity	18.786	6.904-51.115	<0.001
Grade of surgery			0.097
Intermediate surgery compared to minor surgery	0.933	0.517-1.683	0.817
Major surgery compared to minor surgery	1.674	0.920-3.044	0.091
Urgency of surgery			<0.001
Urgent surgery compared to elective surgery	4.043	2.383-6.859	<0.001
Emergency surgery compared to elective surgery	5.145	2.463-10.750	<0.001
Use of World Health Organization's checklist	0.471	0.247-0.898	0.022
Surgical category			
Use of cardiac output monitoring	0.874	0.202-3.773	0.857
Night surgery	1.821	0.741-4.476	0.191
Post-anaesthesia care unit length of stay	1.001	1.000-1.002	0.028
Intensive care unit admission	4.915	2.252-10.729	<0.001

Registered chronic diseases were cirrhosis, heart failure, chronic obstructive pulmonary disease, coronary artery disease, diabetes mellitus (treated or not treated by Insulin), metastatic cancer and stroke or transient ischemic attack; ASA, American Society of Anesthesiologists' physical status; OR, odds ratio; CI, confidence interval.

Sensitivity analysis 1B. Multivariate analyses for long-term (1-year) mortality. Patients with available BMI data (n=853). All significant variables in 1A sensitivity univariate analyses are included in this model.

Variable	OR	95% CI	P
Age	1.046	1.022-1.070	<0.001
Body mass index	0.951	0.891-1.014	0.123
ASA class	1.357	0.823-2.238	0.232
Number of comorbidities			0.002
Presence of one chronic disease compared to no comorbidity	4.682	2.163-10.132	<0.001
Presence of two chronic diseases compared to no comorbidity	3.175	1.088-9.268	0.035
Presence of 3 or more chronic diseases compared to no comorbidity	3.739	1.098-12.734	0.035
Urgency of surgery			0.002
Urgent surgery compared to elective surgery	2.905	1.522-5.543	0.001
Emergency surgery compared to elective surgery	3.149	1.178-8.418	0.022
Use of World Health Organization's checklist	0.478	0.209-1.095	0.081
Post-anaesthesia care unit length of stay	1.001	1.000-1.002	0.126
Intensive care unit admission	5.424	0.836-35.208	0.076

Registered chronic diseases were cirrhosis, heart failure, chronic obstructive pulmonary disease, coronary artery disease, diabetes mellitus (treated or not treated by Insulin), metastatic cancer and stroke or transient ischemic attack; ASA, American Society of Anesthesiologists' physical status; OR, odds ratio; CI, confidence interval.

Sensitivity analysis 2A. Univariate analyses for long-term (1-year) mortality. Patients without metastatic cancer (n=951).

Variable	OR	95% CI	*P*
Age	1.092	1.068-1.117	<0.001
Sex	0.755	0.454-1.257	0.280
Body mass index	0.913	0.853-0.976	0.008
ASA class	4.355	3.004-6.313	<0.001
Number of comorbidities			<0.001
Presence of one chronic disease compared to no comorbidity	6.466	3.565-11.729	<0.001
Presence of two chronic diseases compared to no comorbidity	4.174	1.578-11.042	0.004
Presence of 3 or more chronic diseases compared to no comorbidity	11.131	3.287-37.600	<0.001
Grade of surgery			0.006
Intermediate surgery compared to minor surgery	1.216	0.627-2.358	0.562
Major surgery compared to minor surgery	2.640	1.357-5.136	0.004
Urgency of surgery			<0.001
Urgent surgery compared to elective surgery	3.510	2.019-6.102	<0.001
Emergency surgery compared to elective surgery	4.795	2.117-10.860	<0.001
Use of World Health Organization's checklist	0.614	0.293-1.288	0.197
Surgical category			
Use of cardiac output monitoring	1.586	0.607-4.145	0.347
Night surgery	1.624	0.621-4.249	0.323
Post-anaesthesia care unit length of stay	1.001	1.000-1.002	0.047
Intensive care unit admission	4.731	2.048-10.928	<0.001

Registered chronic diseases were cirrhosis, heart failure, chronic obstructive pulmonary disease, coronary artery disease, diabetes mellitus (treated or not treated by Insulin), metastatic cancer and stroke or transient ischemic attack; ASA, American Society of Anesthesiologists' physical status; OR, odds ratio; CI, confidence interval.

Sensitivity analysis 2B. Multivariate analyses for long-term (1-year) mortality. Patients without metastatic cancer. (n=951). All significant variables in 2A sensitivity univariate analyses are included in this model.

Variable	OR	95% CI	*P*
Age	1.075	1.042-1.109	<0.001
Body mass index	0.958	0.885-1.037	0.289
ASA class	1.334	0.749-2.373	0.327
Number of comorbidities			0.006
Presence of one chronic disease compared to no comorbidity	3.753	1.654-8.515	0.002
Presence of two chronic diseases compared to no comorbidity	0.923	0.212-4.021	0.915
Presence of 3 or more chronic diseases compared to no comorbidity	2.202	0.453-10-702	0.328
Grade of surgery			0.200
Intermediate surgery compared to minor surgery	0.983	0.414-2.335	0.969
Major surgery compared to minor surgery	2.035	0.784-5.282	0.144
Urgency of surgery			0.029
Urgent surgery compared to elective surgery	2.814	1.312-6.033	0.008
Emergency surgery compared to elective surgery	1.447	0.341-6.149	0.616
Post-anaesthesia care unit length of stay	1.000	0.999-1.002	0.563
Intensive care unit admission	11.443	1.706-76.763	0.012

Registered chronic diseases were cirrhosis, heart failure, chronic obstructive pulmonary disease, coronary artery disease, diabetes mellitus (treated or not treated by Insulin), metastatic cancer and stroke or transient ischemic attack; ASA, American Society of Anesthesiologists' physical status; OR, odds ratio; CI, confidence interval.