

Table S1. Missing data.

<i>Variable</i>	<i>Number of missing values (% of total)</i>
Age (yr)	0 (0.00%)
Height (cm)	0 (0.00%)
Weight (kg)	0 (0.00%)
BMI (kg/m <sup>2</sup> )	0 (0.00%)
Sex	0 (0.00%)
Diabetes	0 (0.00%)
Diabetes on insulin	157 (81.8%)
Hypertension	2 (1.04%)
Dyslipidaemia	1 (0.52%)
Nicotine	4 (2.08%)
Adipositas	0 (0.00%)
Preoperative renal disease	0 (0.00%)
Peripheral vascular disease	14 (7.29%)
Carotid disease	21 (10.9%)
Myocardial infarction	1 (0.52%)
COPD	2 (1.04%)
NYHA	1 (0.52%)
CCS	3 (1.56%)
Ejection fraction	1 (0.52%)
EuroSCORE2	8 (4.17%)
Logistic EuroSCORE	5 (2.60%)
Aortic valve	0 (0.00%)
Mitral valve	0 (0.00%)
Tricuspid valve	0 (0.00%)
Coronary Artery Bypass	0 (0.00%)
Ascending Aortic	0 (0.00%)
Aortic Arch	0 (0.00%)
Cholesterol (mmol/L)	0 (0.00%)
HDL cholesterol(mmol/L)	0 (0.00%)
LDL Cholesterol (mmol/L)	0 (0.00%)
Quotient overall (.)	0 (0.00%)
Triglycerides (mmol/L)	0 (0.00%)
Lipoprotein(a) (mg/dl)	0 (0.00%)
ECC or MiECC	0 (0.00%)
Bypass time (min)	0 (0.00%)
Aortic cross clamping (min)	0 (0.00%)
Lowest body temperature (deg C)	0 (0.00%)
Deep hypothermic cardiac arrest	1 (0.52%)
Operation duration (min)	0 (0.00%)

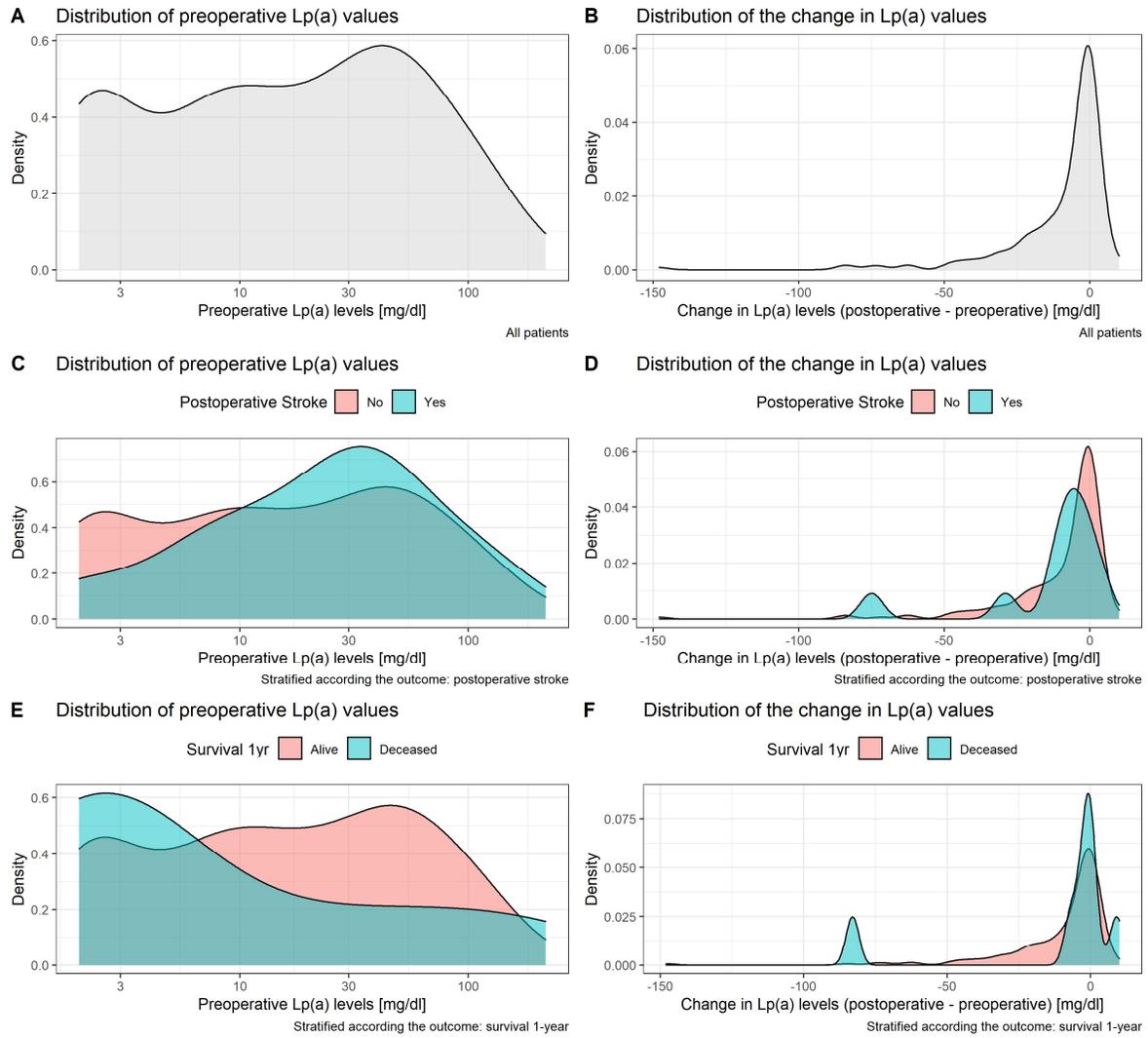
**Table S2.** Sensitivity analysis of the primary outcomes with regard to the Lp(a) threshold. Unadjusted *P* values are shown.

<i>Threshold value</i>	<b>15 mg/dL</b>	<b>20 mg/dL</b>	<b>25 mg/dL</b>	<b>30 mg/dL</b>	<b>35 mg/dL</b>	<b>40 mg/dL</b>	<b>45 mg/dL</b>	<b>50 mg/dL</b>
<b>Postoperative stroke<sup>†</sup></b>	0.558	0.773	0.540	0.370	>0.99	>0.99	0.732	>0.99
<b>30-day mortality</b>	0.491	0.506	0.522	0.534	0.559	0.584	>0.99	>0.99
<b>1 Year follow-up<sup>†</sup></b>	0.455	0.468	0.698	0.716	>0.99	0.452	0.690	0.699

**Table S3.** Multivariable linear regression of the ratio of postoperative Lp(a) values to preoperative Lp(a) values (in percent) on several surgical characteristics. Note that Lp(a) values below the measurement accuracy (<2 mg/dl) were excluded from the analysis.

	<b>Coefficient</b>	<b>95% CI<sup>1</sup></b>	<b>P</b>
<b>ECC or MiECC</b>			
ECC	—	—	
MiECC	11	-3.8, 25	0.15
<b>Aortic cross clamping</b> (hours)	0.78	-12, 14	>0.9
<b>Lowest body temperature</b> (degrees C)	-3.9	-7.8, 0.02	0.051
<b>Deep hypothermic cardiac arrest</b>			
No	—	—	
Yes	-35	-68, -2.2	0.037
<b>Operation duration</b> (hours)	-12	-19, -5.0	<0.001

<sup>1</sup>CI = Confidence Interval.



**Figure S1.** Kernel density distributions of preoperative Lp(a) values (on the log-scale) and their changes (original scale) for all patients (panels A-B), stratified according to the outcome postoperative stroke (C-D) and stratified according to 1-year survival (E-F).