

Supplementary Table 1. Study parameters**Biomarkers**

PCT, CRPhs, IL-6, GDF-15, sFLT, NT-proBNP, cTNThs, CysC and NGAL, Hb, Ht, MCV, RDW, reticulocytes, RET-He thrombocytes, leucocytes, MPV, urea, creatinine, sodium, potassium, chloride, calcium, phosphate, magnesium, ASAT, ALAT, LDH, ALP, gamma GT, bilirubin, CK, albumin, glucose, Cholesterol, Triglycerides, HDL-cholesterol, LDL-cholesterol, serum iron, ferritin, transferrin saturation, vitamin D, TSH, FT4, igf-1, SHBG, NLR.

Medical History

Age in years, Sex, BMI (kg/m²), Unintentional weight loss (>3kg) over the past 3 months, Smoking status, Alcohol consumption, Diabetes Mellitus, COPD
Hypertension, Congestive heart failure, Atrial fibrillation, Stroke, Myocardial infarction, Prior cardiac surgery, Peripheral artery disease, Chronic renal failure, history of cancer, Left ventricular ejection fraction, NYHA class, EuroSCORE, ASA classification, Charlson comorbidity index, Disability, Clinical Frailty Scale

Medication Use

Beta blockers, ACE inhibitor, Angiotensin receptor blockers, Diuretics, Plateletinhibitors, Steroids, Calciumchannel inhibitors, Non-steroidal anti-inflammatory drugs, Statins, other immunosuppressive drugs, levothyroxin use, Paracetamol, Opioids, Anitdepressants, Anticonvulsiva

Operative details

Surgery type, surgical approach, urgency, Epidural Analgesia, Sevoflurane use, Oxygen saturation before induction of anaesthesia (first measured on the OR), Intraoperative hypotension (MAP <55 mmHg, non-cardiac surgery only), Fluid balance end of surgery (in ml), Estimated operative blood loss (in ml), Cell saver use, Lowest mean arterial pressure, Lowest operative heart rate (bpm), Surgical APGAR score (number), Allogenic blood product transfusion, Coagulation products and medication, Intraoperative steroids, Cardiopulmonary bypass time, Aortic cross clamping, (minutes), surgery duration (min)

Postoperative details

Modified early warning score (postoperative day 1-7), postoperative pain score (NRS, max and mean, postoperative day 1-7), Packed Red Blood cells transfusion (postoperative day 1-7), other allogenic blood products (postoperative day 1), Coagulation products and medication (postoperative day 1), reoperation.

Admission and Discharge

Hospital length of stay (LOS), ICU LOS, ICU re-admission, hospital re-admission, days alive and out of hospital 120 days.