

Table S1 Preoperative data

Basic information

- Age
- Height
- Weight
- Level of education
- Work type
- Childbearing
- BMI
- Heart disease history
- Surgical history
- Cardiac surgery history
- Lung disease history
- Kidney disease history
- Liver disease history
- Smoking history
- Drinking history
- Previous myocardial infarction history within 90 days
- Family history of the immediate family
- Diabetes history
- Hypertension history

Physiological index

- Stroke volume—mean
- Tissue oxygen—mean
- Cardiac output—mean
- Right cerebral oxygen—mean
- Heart rate—mean
- Left cerebral oxygen—mean
- Systolic blood pressure—mean
- Left plaque
- Platelet test value
- Systemic vascular resistance—mean
- Diastolic blood pressure—mean
- Mean arterial pressure—mean
- Myoglobin test value
- Hematocrit test value
- Right plaque
- Cr test value
- Albumin test value
- Hemoglobin test value
- Creatine kinase test value
- Uric acid test value
- Troponin T test value
- Hydroxybutyrate dehydrogenase test value

Table S1 (continued)

Table S1 (continued)

- Aspartate transaminase test value
- Blood urea nitrogen test value
- Anteroposterior diameter of the aortic sinus
- Left atrial diameter
- Alanine transaminase test value
- Interventricular septal thickness
- The left and right basal diameter of the right ventricle
- Lactate dehydrogenase test value
- Left ventricular ejection fraction
- Anteroposterior diameter of the right ventricle
- B-type natriuretic peptide test value
- Pulmonary artery systolic pressure
- Left anterior descending coronary artery
- Left ventricular end diastolic diameter

Evaluation

- Cognitive function
- Chronic lung disease
- Naming skills
- Attention ability
- Linguistic competence
- Abstract ability
- Delayed recall ability
- Orientation ability
- MMSE-score
- Orientation
- Memory
- Attention and numeracy
- Ability to recall
- Language competence
- Nervous system
- EuroScore
- EuroScore-deathrate
- NYHA-rank
- Metabolic disease
- Nervous system dysfunction
- Left ventricular dysfunction with LVEF 30–50%
- Diseases of the extracardiac arterial system
- Visuospatial/executive ability
- Unstable angina requiring medical intervention
- Metabolic equivalent of task score

BMI, body mass index; Cr, XXXXXXXXX; MMSE, XXXXXXXXXXXXXXXXX; NYHA, New York Heart Association; LVEF, left ventricular ejection fraction.