Hemostatic efficacy Other laboratory measurements markers Bleeding Immune system outcomes Viscoelastic tests Reversal of coagulopathy Other laboratory measurements Ddimers Protein C and S and lymphatic system outcomes Physiological Complement in vivo thrombin generation Electrolytes Vascular outcomes aPTT Fibrinoger Measures of coagulation Respiratory thoracic and mediastinal outcomes Complete Blood Count Other laboratory measurements Reptilase time arterial blood gas Other laboratory measurements Endothelial markers Prothrombin Fibrin monomer HCT Coagulation factors Death Mortality Mortality and Survival Death Mortality Bleeding Extended Glasgow Outcome Scale bral hemorrhage Major bleeding Clinical Nervous system outcomes Vascular outcomes National Institute of Health Single Specific treatment effect Chest tube output Quality of life Organ specific treatment effect mRS score Life impact Blood loss Whole Blood Global quality of life Plasma Organ specific treatment effect Donor exposure RBC Platelets Consented and received intervention Physical functioning Blood usage Life impact Life impact oidance of allogeneic transfusion Need for massive transfusion Protocol adherence plasma to crystalloid ratio Economic impact Barthel Index Adverse events Delivery of care Urgent surgery Need for further intervention Organ specific treatment effect Other **Economic** Resource use Time from intervention to chest closure Time to RBCtransfusion Need for additional treatment Feasibility Traceability Hospital Time to intervention Pulmonary oedema Fluids LOS PICU Time to transfuion Reoperation Length of stay LOS ICU LOS Hospital

Adverse events and effects

Lung injury

Adverse events

Lenght of hospital stay