**Supplementary Figure 1 Changes in systemic measurements of coagulation over duration of treatment**



**Abbreviations:** INR, International Normalised Ratio; APTTr, Activated Partial Thromboplastin Time ratio; TGA, Thrombin Generation Assay;

PFSCA, Platelet Function Assay using Collagen/Adenosine diphosphate; PFSCE, Platelet Function Assay using Collagen/Epinephrine; CT,

Closure Time.

Repeated measures ANOVAs compared systemic parameters from baseline to 48 hours. Post-hoc pairwise comparisons found significant

differences between haemoglobin at baseline and 36hours (p=0.030) and baseline and 48 hours (p=0.018); platelets at baseline and 36 hours

(p=0.035) and baseline and 48 hours (p=0.040) and INR at baseline and 36hours (p=0.034) and baseline and 48 hours (p=0.024). There were no

significant differences in systemic parameters on CRRT.

**Supplementary Figure 2 Changes in circuit measurements of coagulation over duration of treatment**



**Abbreviations:** INR, International Normalised Ratio; APTTr, Activated Partial Thromboplastin Time ratio; TGA, Thrombin Generation Assay; PFSCA, Platelet Function Assay using Collagen/Adenosine diphosphate; PFSCE, Platelet Function Assay using Collagen/Epinephrine; CT, Closure Time.

Repeated measures ANOVAs of measurements from the circuit compared data from 12hrs to 48hours. Only INR differed overtime, with a significant difference between 12 and 48hrs in posthoc comparisons (p=0.002).

**Supplementary Figure 3 Bland Altman plots showing difference between systemic and circuit measurements**



**Abbreviations:** INR, International Normalised Ratio; APTTr, Activated Partial Thromboplastin Time ratio; TGA, Thrombin Generation Assay; PFSCA, Platelet Function Assay using Collagen/Adenosine diphosphate; PFSCE, Platelet Function Assay using Collagen/Epinephrine; CT, Closure Time.

Lines shown represent the mean differences in systemic and circuit measurements and 95% limits of agreement.