

Supplementary Table 1: Catheter dysfunction data survey questionnaire

ID Number	Catheter function	Baseline-related Factors					
		Age (years)	Gender(male)	body mass index (kg/m2)	Smoking	Hypertension	Diabetes
		Catheter-related Factors					
		Catheter placement history		Catheter site (Femoral, Internal Jugular)		Catheter retention time (days)	
		Laboratory-related Factors					
		Red blood cell count (10 ⁹ /L)	Hemoglobin count (g/dL)	Platelet count (10 ⁹ /L)	C-reactive Protein count (10mg/L)	Fibrinogen concentration count (g/L)	
		Treatment-related Factors					
		Mechanical ventilation	Anticoagulation	Pre-pump pressure ratio > 0.66		Unplanned Discontinuations incidence rate	