

Supplementary Table 1. Demographics, comorbidities, and ECMO characteristics of patients without HIT (all of whom were anticoagulated with heparin), patients with confirmed HIT (positive PF4/SRA; anticoagulated with bivalirudin), and those suspected of but not diagnosed with HIT (received bivalirudin while test pending, then transitioned back to heparin once negative).

<i>Demographic/characteristic</i>	No HIT N (%) N=131	(+) HIT N (%) N=4	HIT rule- out N=9	<i>p-value</i>
Mean age , years (SD)	55.9 (15.4)	50.3 (20.2)	49.3 (19.8)	0.391
Male gender	74 (56.5%)	2 (50%)	7 (77.8%)	0.436
Race				0.918
Caucasian	75 (57.7%)	3 (75%)	7 (77.8%)	
African American	30 (23.1%)	1 (25%)	2 (22.2%)	
Asian	10 (7.7%)	0	0	
Hispanic	6 (4.6%)	0	0	
Other	9 (6.9%)	0	0	
Comorbidities				
Hypertension	86 (66.2%)	3 (75%)	6 (66.7%)	0.934
Diabetes	37 (28.5%)	3 (75%)	1 (11.1%)	0.062
CHF	32 (24.8%)	2 (50%)	3 (33.3%)	0.462
Chronic Kidney Disease	13 (10.0%)	1 (25%)	1 (11.1%)	0.627
Atrial fibrillation	25 (19.4%)	3 (75%)	1 (11.1%)	0.019
Prior ICH	1 (0.8%)	1 (25%)	2 (22.2%)	<0.001
Pre-hospital Medications				
Antiplatelet therapy	61 (46.9%)	1 (25%)	5 (55.6%)	0.594
Anticoagulation	26 (19.9%)	3 (75%)	4 (44.4%)	0.010
Type of ECMO				0.524
Veno-Arterial (VA)	107 (81.7%)	3 (75%)	6 (66.7%)	
Veno-Venous (VV)	24 (18.3%)	1 (25%)	3 (33.3%)	
Central Cannulation	57 (43.5%)	0 (0%)	3 (33.3%)	0.192
Duration of ECMO, days (IQR)	4.0 (2.4-8.6)	11.7 (10.2-13.1)	12.1 (6.7-15.8)	<0.001
Pre-ECMO Mechanical Circulatory Support				
IABP	30 (22.9%)	1 (25%)	2 (22.2%)	0.994
LVAD	4 (3.1%)	0	1 (11.1%)	0.411
Pre-ECMO Characteristics				
GCS score (SD)	12 (4)	12 (6)	9 (6)	0.370
Lactate, mmol/L (SD)	6.9 (5.2)	3.9	13.5 (12.5)	0.026
ABG: pH, mean (SD)	7.25 (0.14)	7.23 (0.04)	7.31 (0.08)	0.428
pCO2	47 (19)	52 (17)	44 (12)	0.745
pO2	181 (123)	130 (131)	181 (110)	0.706
HCO3	20 (7)	21 (6)	21 (5)	0.918
ECMO Day 1				
APACHE II score (SD)*	23 (9)	24 (2)	23 (4)	0.994
SOFA score (SD)**	11 (3)	14 (2)	13 (4)	0.056
Platelet count (/μL)	112 (89)	146 (98)	137 (94)	0.559

Fibrinogen (mg/dL)	253 (119)	330 (251)	266 (272)	0.614
Hemoglobin (g/dL)	9.4 (2.1)	9.0 (2.1)	9.5 (1.1)	0.922
Creatinine (mg/dL)	1.5 (1.2)	2.0 (1.1)	1.5 (0.7)	0.702
Lactate (mmol/L)	5.7 (4.7)	4.3 (4.2)	4.0 (3.6)	0.477
AST (units/L)	1034 (2540)	1668 (2778)	1037 (1632)	0.883
LDH (units/L)	1724 (3036)	1725	1742 (2381)	0.999

SD: standard deviation, CHF: congestive heart failure, ICH: intracerebral hemorrhage, IABP: intra-aortic balloon pump, LVAD: left ventricular assist device; GCS: Glasgow Coma Scale, ABG: arterial blood gas, APACHE: Acute Physiology and Chronic Health Evaluation, SOFA: Sequential Organ Failure Assessment, AST: aspartate aminotransferase, LDH: lactic acid dehydrogenase

* An APACHE II score of 23 or 24 (20-24) corresponds to an approximate in-hospital non-operative mortality of 40% or post-operative mortality of 30%.

** A SOFA score of 11 (10-11) is associated with a 50% mortality rate if initial score or a 45.8% mortality if highest score. A SOFA score of 13 or 14 (12-14) is associated with a 95% mortality if initial score or a 80% mortality if highest score.