

**Table S1** Time course of laboratory parameters

Parameter	Total (n=39)	Wave 1 (n= 19)	Wave 2 (n= 20)	P value
<b>Hb (g/dL)</b>				
Pre-ECMO	9.8 (9–11.4)	9.8 (8.7–10.5)	9.8 (9.15–11.6)	0.531
24 h after ECMO-initiation	9.7 (8.5–10.4)	9.6 (8.7–10.7)	9.7 (8–10.2)	0.687
Pre-Explantation	9.7 (9–10.5)	9.7 (9.2–10.5)	9.9 (9–10.5)	0.685
<b>Leucocytes (/nL)</b>				
Pre-ECMO	13 (10.1–19.1)	14.3 (10.1–21.9)	12.15 (9.8–16.3)	0.214
24 h after ECMO-initiation	11.7 (8.6–15.6)	13 (9.4–16.8)	11 (8.1–14.6)	0.283
Pre-Explantation	13 (8.6–18.5)	16 (8.9–20)	11.15 (6.7–16)	0.178
<b>Platelet (G/L)</b>				
Pre-ECMO	240 (170–340)	222 (154–389)	246 (176–340)	0.728
24 h after ECMO-initiation	206.6 (131–302)	207 (125–313)	209 (137–258)	0.988
Pre-Explantation	115 (81–165)	152 (94–210)	106 (79–124)	0.07
<b>PCT (percentage)</b>				
Pre-ECMO	2.2 (0.6–8.3)	4.5 (0.6–6.5)	1.5 (0.6–9.1)	0.813
24 h after ECMO-initiation	2.4 (1–6.5)	3.5 (1.2–7.3)	1.7 (0.8–4.1)	0.184
Pre-Explantation	6 (1.5–11.8)	3 (0.6–10.2)	7.8 (1.6–28.5)	0.284
<b>aPTT (s)</b>				
Pre-ECMO	33 (29–39)	34 (29–39)	32 (30–39)	0.989
24 h after ECMO-initiation	38 (30–52)	34 (29–44)	44 (36–58)	0.038*
Pre-Explantation	45 (30–50)	41 (28–50)	46 (32–50)	0.556
<b>INR (ratio)</b>				
Pre-ECMO	1.2 (1.1–1.3)	1.3 (1.2–1.3)	1.2 (1–1.3)	0.204
24 h after ECMO-initiation	1.2 (1.1–1.4)	1.2 (1.1–1.4)	1.2 (1.1–1.3)	0.444
Pre-Explantation	1.3 (1.1–1.4)	1.3 (1.2–1.5)	1.2 (1.1–1.4)	0.343
<b>Fibrinogen (mg/dL)</b>				
Pre-ECMO	466 (409–717)	656 (432–717)	455 (379–853)	0.607
24 h after ECMO-initiation	445 (349–652)	441 (378–622)	455 (319–795)	0.934
Pre-Explantation	365 (239–443)	300 (232–437)	384 (217–482)	0.538
<b>D-dimer (µg/dL)</b>				
Pre-ECMO	4547 (1876–11006)	4345 (1745–12046)	4869 (2117–10698)	0.967
24 h after ECMO-initiation	6773 (2813–14702)	7591 (3716–15359)	6662 (2079–11847)	0.351
Pre-Explantation	16894 (7523–56315)	24689 (7734–66545)	15361 (6174–53328)	0.499
<b>ATIII (%)</b>				
Pre-ECMO	66 (55–77)	65 (54–76)	67 (56–88)	0.328
24 h after ECMO-initiation	66 (48–81)	48 (39–75)	71 (62–99)	0.008*
Pre-Explantation	82 (71–100)	81 (69–93)	98 (69–112)	0.362

**Table S1** (continued)

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Parameter	Total (n=39)	Wave 1 (n= 19)	Wave 2 (n= 20)	P value
pfHb (mg/L)				
Pre-ECMO	46 (28–68)	36 (22–50)	58 (44–73)	0.013*
24 h after ECMO-initiation	78 (42–107)	76 (48–119)	80 (40–94)	0.354
Pre-Explantation	119 (61–389)	80 (61–319)	200 (64–411)	0.51
LDH (U/L)				
Pre-ECMO	459 (333–661)	403 (311–639)	504 (411–687)	0.07
24 h after ECMO-initiation	498 (406–603)	480 (404–628)	515 (431–595)	0.309
Pre-Explantation	621 (432–1191)	513 (429–812)	652 (466–1431)	0.374
AST (U/L)				
Pre-ECMO	61 (38–93)	66 (37–126)	58 (44–82)	0.989
24 h after ECMO-initiation	64 (48–121)	71 (53–142)	60 (47–101)	0.411
Pre-Explantation	80 (43–162)	80 (42–141)	72.5 (43–181)	1.000
ALT (U/L)				
Pre-ECMO	44 (32–75)	33 (27–45)	52 (42–92)	0.018*
24 h after ECMO-initiation	44 (27–70)	32.5 (27–46)	51 (40–72)	0.089
Pre-Explantation	58 (26–83)	48 (26–85)	59 (24–81)	0.916
CRP (mg/L)				
Pre-ECMO	211 (100–287)	211 (120–280)	208 (77–346)	0.835
24 h after ECMO-initiation	215 (138–296)	210 (148–289)	216 (102–317)	0.813
Pre-Explantation	193 (77–272)	118 (58–198)	251 (132–433)	0.006*
Bilirubine (mg/dL)				
Pre-ECMO	0.6 (0.4–1.6)	0.6 (0.4–2.2)	0.6 (0.4–1.1)	0.901
24 h after ECMO-initiation	1 (0.5–1.5)	1 (0.6–1.9)	0.8 (0.5–1.5)	0.194
Pre-Explantation	1.4 (0.6–7.9)	1.7 (0.8–5.1)	0.8 (0.5–9.9)	0.641
Creatinine (mg/dL)				
Pre-ECMO	1.1 (0.7–1.8)	1.2 (0.8–1.8)	0.9 (0.6–2.1)	0.204
24 h after ECMO-initiation	1.2 (0.7–1.9)	1.5 (0.9–2.4)	1 (0.6–1.5)	0.033*
Pre-Explantation	0.9 (0.6–1.5)	0.8 (0.7–1.6)	1 (0.5–1.3)	0.245
BUN (mg/dL)				
Pre-ECMO	68 (46–111)	66 (43–116)	68 (50–110)	1
24 h after ECMO-initiation	72 (54–112)	67 (58–117)	73 (53–110)	0.869
Pre-Explantation	82 (60–119)	98 (82–133)	70 (52–84)	0.004*

Continuous variables are presented as median and interquartile range (IQR) unless indicated as percentage. \*, P values under 0.05 are considered as significant and tagged with an asterisk. All parameters were measured 1–6 hours before ECMO-initiation. ALT, alanine transaminase; AST, aspartate transaminase; ATIII, Antithrombin III, aPTT, partial thromboplastin time; BUN, blood urea nitrogen; CRP, C-reactive protein; ECMO, extracorporeal membrane oxygenation; Hb, Hemoglobin; LDH, lactate dehydrogenase; PCT, procalcitonin; pfHb, plasma-free hemoglobin; WBC, white blood cells.