

Supplemental Digital Content 1

Demographics and circumstances at admission

The table shows demographics, comorbidities, and circumstances at time of assessment for acceptance to cannulate for commencement of Extracorporeal membrane oxygenation (ECMO).

No	Sex	Age (years)	BW (kg)	Comorb.	CPR before ECMO	Time decision to ECMO	P/F (mmHg)	HR (min ⁻¹)	MAP (mmHg)
1	M	54	96	HT		7h15'	42	120	50
2	F	74	54	Uterus Cancer/ Irradiation/chemo		2h40'	45	120	55
3	M	66	88	HT/DM2/Ath/ CRD		14h30'	74	87	83
4	M	53	82	Atrial fibrillation/ Alcohol abuse		3h	60	122	65
5	M	63	136	DVT (above inguinal ligament)	Y	5h45'	72	130	60
6	M	45	65		Y	1h40'	60	135	55
7	M	74	65	Rheumatoid arthritis/Asthma		3h36'	55	108	50
8	F	69	75		Y	2h20'	42	143	87
9	M	73	94	DVT (above inguinal ligament)		5h10'	52	144	55
10	F	25	70			2h50'	48	145	55
11	M	70	88	CABG/AS/Aortic aneurysm surgery		6h45'	46	125	60
12	F	45	68			7h20'	54	160	55
13	M	23	40	Spinal atrophy/ Scoliosis/ Tracheostomy		6h33'	50	165	47
14	M	43	81			5h45'	56	120	65
15	F	41	68			6h37'	53	120	65
16	F	46	60	Chronic obstipation/ Reoccurring UTI		7h10'	70	130	77
17	M	55	83			1h5'	37	132	60
18	M	42	102		Y	7h10'	100	110	51
19	M	55	58	Chronic pancreatitis/DM1		9h	30	135	66
20	F	24	100	Obesity/ Borderline personality dis.		4h40'	97.5	160	53
21	M	57	91	Three-vessel coronary disease/AP	Y	3h24'	51	135	55
22	F	38	86	RA/DM1/ Reoccurring UTI/ Wheelchair		5h11'	73	137	78
23	M	68	87	HT		6h20'	61	101	60
24	F	67	73	HT/COPD/ Psoriasis/ Alcohol abuse		2h8'	71	145	70
25	F	65	90	Vasculitis with lung involvement		7h22'	42	145	62
26	M	62	75	Atrial fibrillation/ Alcohol abuse		14h49'	60	120	55
27	M	62	82	HT/Renal transplant/ Hepatitis B		3h20'	51	50	50

No	Sex	Age (years)	BW (kg)	Comorb.	CPR before ECMO	Time decision to ECMO	P/F (mmHg)	HR (min ⁻¹)	MAP (mmHg)
28	M	58	76	Stroke/Alcohol abuse/Hepatitis C		6h33'	37	110	60
29	F	58	90	HT/DM 2/Obesity		6h42'	150	110	55
30	F	47	64	Alcohol abuse		2h10'	53	135	60
31	F	46	60	Depression		8h10'	38	120	70
32	F	75	80	CRD/Hypothy/ Biopolar D.		4h30'	45	115	62
33	M	45	80	Eosinofil faciitis		1h15'	64	145	60
34	M	55	74		Y	2h30'	75	95	57
35	M	68	85	AS/MDS/DM2/HT		4h45'	90	100	50
36	M	58	86	Hypothy	Y	5h42'	82.5	90	45
37	M	55	78	Alcohol abuse		5h57'	60	100	60
Median (IQR)	F:38%	55 (45-66)	80 (68-88)		19%	5h29' 1h5'-14h49'	55 (72-46)	122 (110-140)	60 (55-65)

No	VIS	Lactate (mmol/L)	pH	No. organ systems affected ^a	SOFA	SAPS3	LVF,RVF	LVEF (%)	AKI
1	69	16	7.02	2	17	86	1,1	30	
2	180	7	7.18	8	15	100	-,-	60	Y
3	215	3.6	7.25	6	16	84	1,-	15	Y
4	163	2.4	7.18	7	19	97	-,-	60	Y
5	132	7.4	7.27	8	19	111	-,1	60	Y
6	111	13.3	7.10	8	18	112	1,1	30	Y
7	111	5.5	7.10	3	16	99	-,-	40	Y
8	158	11.8	7.14	8	14	89	1,-	30	Y
9	135	5	7.26	6	17	102	1,1	30	Y
10	75	5.5	7.15	6	14	81	-,-	55	
11	76	8	7.16	4	18	77	1,-	25	Y
12	68	11.9	7.25	7	19	99	-,-	60	Y
13	57	2.4	7.19	7	16	100	-,1		Y
14	155	5	7.11	6	15	76	1,-	30	Y
15	70	3.7	7.17	6	17	85	-,-	40	Y
16	52	2.6	7.45	2	14	70	1,-	15	
17	85	2	7.16	5	15	79	-,-	55	Y
18	90	15	7.05	7	18	87	1,-	10	Y
19	152	9	7.18	4	14	81	1,-	30	Y
20	55	12.6	7.15	7	16	73	-,-	60	Y
21	70	5.7	7.21	7	14	80	1,-	15	
22	90	10.8	6.99	4	19	76	1,-	20	Y
23	69	3.3	7.15	2	13	84	-,-	50	
24	147	4.6	7.2	5	17	89	1,-	25	Y
25	65	3.6	7.26	2	17	87	-,-	60	Y
26	85	6.1	7.08	6	19	96	-,-	40	
27	135	17	7.00	3	17	85	-,-	65	Y
28	70	3.4	7.13	4	14	83	-,-	35	Y
29	76	13	7.25	7	15	95	1,1	20	Y
30	71	10.2	7.18	7	16	99	1,-	50	Y
31	53	3.4	7.06	6	18	87	-,-	15	

No	VIS	Lactate (mmol/L)	pH	No. organ systems affected ^a	SOFA	SAPS3	LVF:RVF	LVEF (%)	AKI
32	77	5.2	7.2	6	15	85	-, -	40	Y
33	77	8	7.15	5	16	82	1,1	37	Y
34	89	10	6.8	4	19	95	1,1	25	
35	91	9	7.1	4	16	85	1,1	35	Y
36	131	7.8	6.99	4	22	95	1,-		Y
37	70	8	7.2	4	16	68	1,1	10	Y
Median	85	7	7.16	6	16	86	54%,27%	35	78%
(IQR)	(70-134)	(3.6-10.5)	(7.1-7.2)	(4-7)	(15-18)	(81-96)		(25-58)	

^a) Organ failures according to SAPS3 (shock omitted): Central nervous system, Heart, Lung, Kidney, Liver, Gastrointestinal, Hematology, Acid-base/metabolic, Trauma, and Other.

Vasoactive inotropic score: $\{[(\text{Epinephrine} + \text{norepinephrine} \times 100) + \text{dopamine} + \text{dobutamine} + (\text{milrinone} \times 15)] \mu\text{g/kg BW min}^{-1} + \text{vasopressin IU/kg BW min}^{-1} \times 10,000\}$

Abbreviations: M= male, F=Female, HT= Hypertension, DM= Diabetes mellitus, Ath=Atherosclerosis, CRD=Chronic renal dysfunction, DVT=Deep venous thrombosis, CABG=Cardiopulmonary bypass graft, AS=Aortic valve stenosis, UTI=Urinary tract infection, AP=Angina pectoris, Comorb.= Comorbidity, CPR= Cardiopulmonary resuscitation, COPD=Chronic obstructive pulmonary disease, Y=Yes, P/F= $P_a\text{O}_2/\text{FiO}_2$ ratio, HR= Hear rate, MAP= Mean arterial blood pressure, SOFA=Sequential/Sepsis organ failure assessment score, SAPS3=Simplified acute physiology score, LVF= Left ventricular failure, RVF= Right ventricular failure, LVEF= Left ventricular ejection fraction, AKI= Acute kidney injury, VIS= Vasoactive inotropic score.