

SUPPLEMENTARY TABLE 2 Individual patient baseline diagnoses, remaining risk factors and COVID-19-associated diagnoses

Case #	Age, y; sex (†, deceased) (A, ARDS)	Baseline diagnoses	BMI	ABO type	DM	HTN	RAAS block	CCI	HFRS	COVID-19-associated diagnoses (on illness days)
Kidney transplant with COVID-19 (KTX-COVID)										
1	52; m	KTX CKD2, TAC-induced DM, factor V Leiden het mut	29.4	A	T2	X	ACEi	4	2.4	none
2	55; m	KTX CKD2	23.5	A		X	ACEi	3	10.4	none
3	64; f	KTX CKD3b, asthma, s/p hepatitis B, osteoporosis, HPT, RLLS, CPS	24.5	A	T2			7	19.9	none
4	68; m (A)	KTX CKD4-5, ADPKD, AFIB, CHF, dementia, stroke, UTIs	23.5	A	T2	X		8	39.3	ARDS <300 mmHg §, 6LO2/min and RR>20 (20)
5	62; f (†) (A)	KTX CKD4-5, CADx3, chronic TX rejection, ICB, RLLS	23.8	A		X	ARB	6	22.4	ARDS < 200 mmHg § (12), AKI3 (12), EBV react (18), CoV-2 myocarditis / AFIB (22), coronary artery dissection (26), pancreatitis (27), 16x PRBC (14-45, 60), intracerebral microhemorrhage, seizures (37), necrotizing encephalitis (57), thoracic bleed. Cause of death: sepsis
6	62; f (†) (A)	KTX CKD4, AA amy, COLD, Crohn's, HC, PT mutation, caval vein thrombosis, osteoporosis	23.7	A		X	ARB	5	4.6	ARDS <100 mmHg § (14), sodium 116 mmol/L (1), VAP S. pneumoniae (14), vasopressors (14). Cause of death: septic shock while on ECMO
7	69; m (†) (A)	KTX CKD2-3a, AFIB, CAD, CHF, OSAS, stroke	23.1	B	T2	X		8	13	ARDS < 100 mmHg § (10), rhabdomyolysis (10), MOV: AKI3, vasopressors (16). Cause of death: septic shock and hypercapnic respiratory failure
Hemodialysis with COVID-19 (HD-COVID)										
1	65; m	ADPKD, AFIB, CADx2, valvular CHF, OSAS, PNP, diverticulitis	35.4	A		X	ARB	6	1.4	none
2	79; f	AFIB, DN, HPT, hypothyroidism, PNP	21.1	O	T2			7	2.4	inappetence
3	61; f	ADPKD, CADx1, CHF, COLD, emphysema, goiter, smoking, stroke	29.6	O		X	ARB	8	4.1	none
4	69; m	CAD, secondary epilepsy, stroke, chronic pain	28.4	A		X		6	16	none
5	73; m	AFIB, CADx3, CHF, DN, stroke	22.1	A	T2	X	ACEi	10	3.3	none
6	79; f	CADx3, biologic aortic valve replacement, HC	26.7	O		X	ARB	6	2.6	none
7	38; f	CADx3, DN, hypothyroidism, PNP	42.2	O	T1	X		5	3.5	CoV-2 pneumonia, not fulfilling ARDS criteria
8	73; m	CADx1, CyA-toxicity, myasthenia gravis	26.5	B		X		6	6.9	CoV-2 pneumonia, not fulfilling ARDS criteria
9	66; f (A)	Aortic stenosis, asthma, hypothyroid disease, s/p PE and DVT, RA	45.3	O				6	4.7	ARDS <200 mmHg § (4), myocarditis, 8x PRBC transfusion (6-16), HSV-1 (14-25)
10	72; m (†) (A)	AFIB, CADx1, valvular CHF, OSAS, renal cell carcinoma, stroke	36.2	A	T2	X	ACEi	10	1.4	ARDS <200 mmHg §, suspected bacterial pulmonary superinfection. Cause of death: MOV
11	67; f (†) (A)	CADx1, COLD, cured ovarian and pulmonary carcinomas, Ormond's disease, PAD2-3, stroke	26.8	A		X	ARB	8	8.5	ARDS <100 mmHg § (9), AFIB (11), inv-pulm aspergillosis (13-20), EBV+HSV-1 react (13, 20) pancrea-titis (13), 14x PRBC (10-35), vasopressors (11-35), myocarditis, Cause of death: intestinal ischemia (34)
Hemodialysis asymptomatic SARS CoV-2 RNA positive (HD-asympt CoV-2)										
1	65; f	valvular CHF, DVT, RA	28.1	A	T2	X	ARB	7	10	none
2	79; m	abdomonal aortic aneurysm, valvular CHF, PFO, stroke	30.2	A		X	ACEi	7	2.4	none
3	87; f	CAD, valvular CHF, COLD	28.4	n/a	T2	X	ARB	10	3.8	none

A, ARDS, acute respiratory distress syndrome; AA amy, AA amyloidosis; ACEi, angiotensin-converting enzyme-inhibitor; ADPKD, autosomal dominant polycystic kidney disease; AFIB, atrial fibrillation; AKI, acute kidney injury according to KDIGO; ARB, angiotensin receptor blocker; AS, aortic stenosis; BMI, body mass index in kg/m²; CAD, coronary artery disease including number of involved coronaries; CCI, Charlson comorbidity index; CHF, congestive heart failure; CKD, chronic kidney disease according to KDIGO; COLD, chronic obstructive lung disease; CPS, chronic pain syndrome; CyA, ciclosporin A; d, day; DN, diabetic nephropathy; DVT, deep vein thrombosis; EBV, Epstein Barr virus; ECMO, extra corporeal membrane oxygenation; f, female; het mut, heterozygous mutation; HPT, hyperparathyroidism; HC, hypercholesterinemia; HSV-1, herpes-simplex virus; HTN, arterial hypertension; Inv-pulm, invasive pulmonary; m, male; KTX, kidney transplant; L, liter; min, minute; O₂, oxygenflow in L/min; OSAS, obstructive sleep apnea syndrome; PAD, peripheral artery disease including stage 1-4 according to Fontaine; PE, pulmonary embolism; PF, patent foramen ovale; PNP, polyneuropathy; PRBC, packed red blood cells; pred, prednisolone, PT, prothrombin; RA, rheumatoid arthritis; RAAS block, renin-angiotensin-aldosterone system blockade; react, reactivation; RLLS, restless legs syndrome; RRT, renal replacement therapy; S. pneumoniae, Streptococcus pneumoniae; s/p, status post; T1, type 1; T2, type 2; TAC, tacrolimus; UTI, urinary tract infection; VAP, ventilator-associated pneumonia; y, years; † deceased; § mmHg oxygenation index according to Horowitz, i.e. the patient's arterial partial oxygen pressure (paO₂) divided by the applied oxygen concentration in Timepoints are expressed as days from beginning of the illness/SARS CoV-2 positivity, whichever first