

Supplementary materials

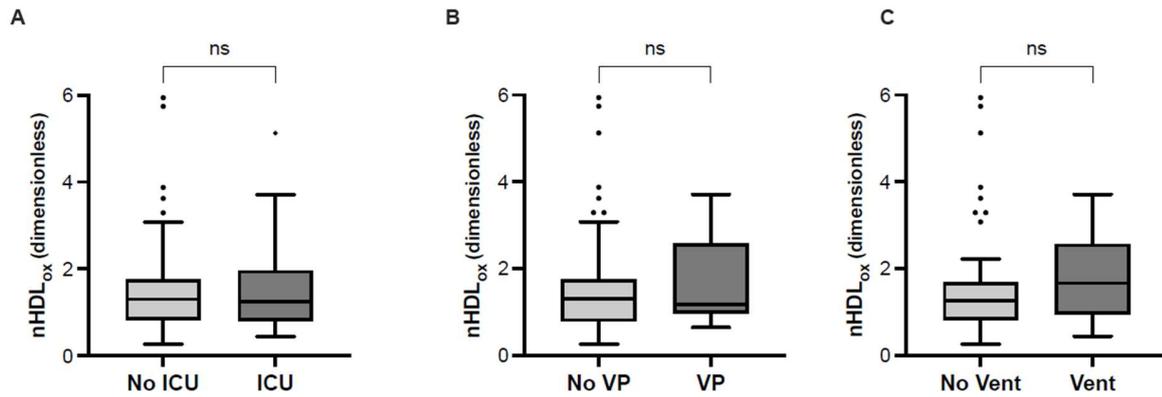


Figure S1: Secondary endpoints. nHDL_{ox} showed no significant differences in all categories indicating a severe treatment course. A) Intensive care therapy (ICU); B) Vasopressor therapy (VP); C) Ventilatory support (Vent). nHDL_{ox}: Lipid peroxide content of high-density lipoprotein; ns: not significant.

Table S2: Comorbidities. Levels of nHDL_{ox} were significantly lower in patients without obesity or arterial hypertension than in those with the respective comorbidity. Patients with liver cirrhosis showed significantly elevated nHDL_{ox} levels.

Comorbidity		nHDL _{ox}			
		n	Median	IQR	p
Diabetes mellitus	no	66	1,36	0,79 – 2,00	0,682
	yes	65	1,25	0,86 – 1,69	
Obesity	no	65	1,50	0,86 – 2,00	0,046
	yes	63	1,15	0,79 – 1,65	
Hypertension	no	14	1,76	1,17 – 3,29	0,028
	yes	115	1,24	0,79 – 1,66	
Coronary artery disease	no	77	1,31	0,83 – 1,82	0,822
	yes	53	1,23	0,89 – 1,66	
Peripheral artery disease	no	111	1,26	0,83 – 1,76	0,671
	yes	19	1,24	0,77 – 1,75	
Stroke	no	123	1,26	0,83 – 1,76	0,897
	yes	7	1,29	0,86 – 2,11	
Atrial fibrillation / -flutter	no	67	1,29	0,86 – 1,76	0,660
	yes	63	1,26	0,78 – 1,75	
Chronic pulmonary disease	no	95	1,34	0,86 – 1,89	0,370
	yes	36	1,19	0,77 – 1,72	
COPD	no	105	1,37	0,86 – 1,78	0,067
	yes	25	1,04	0,74 – 1,65	
Liver cirrhosis	no	118	1,23	0,79 – 1,75	0,029
	yes	13	1,66	1,32 – 2,63	
Cancer	no	95	1,22	0,79 – 1,69	0,076
	yes	37	1,49	1,06 – 2,15	

ASCVD: atherosclerotic cardiovascular disease; COPD: Chronic Obstructive Pulmonary Disease; nHDL_{ox}: normalized lipid peroxide content of high-density lipoprotein (dimensionless value), IQR: interquartile range; pAVD: peripheral arterial vascular disease. "No" and "Yes" correspond to the absence or presence of the respective comorbidity. Significant p-values are indicated in bold.