

**Supplementary Table 3. Statistical summary of selected clinical pathology parameters**

Parameter	Mean value (p value compared with vehicle group*)			
	Vehicle	Remdesivir 10/5 mg/kg d4	Remdesivir 10/5 mg/kg d5	Remdesivir 5 mg/kg d5
Thrombin time (s)				
Day 5	26.5	23.4 (ns)	23.6 (ns)	23.3 (ns)
Day 8	108.0	44.4 (0.011)	47.1 (0.031)	75.6 (ns)
Day 14	—	42.5	28.1	36.9
Day 21	—	25.8	26.6	26.1
Prothrombin time (s)				
Day 5	11.8	11.1 (ns)	11.4 (ns)	11.4 (ns)
Day 8	61.6	14.5 (0.014)	36.3 (ns)	38.4 (ns)
Day 14	—	11.0	10.5	11.3
Day 21	—	10.1	10.0	10.3
Antithrombin (%)				
Day 5	100.3	105.8 (ns)	101.6 (ns)	114.0 (ns)
Day 8	45.6	108.4 (0.014)	103.2 (0.014)	97.7 (0.014)
Day 14	—	113.5	113.0	123.9
Day 21	—	105.9	118.0	115.0
D-dimer (mg/L)				
Day 5	0.18	0.18 (ns)	0.18 (ns)	0.18 (ns)
Day 8	1.30	0.19 (0.011)	0.24 (0.023)	0.25 (0.017)
Day 14	—	0.21	1.98	0.29
Day 21	—	0.18	0.54	0.18
Fibrinogen (mg/dL)				
Day 5	226.6	189.1 (ns)	235.9 (ns)	207.6 (ns)
Day 8	49.0	155.0 (0.044)	291.8 (0.032)	115.7 (ns)
Day 14	—	125.5	121.4	109.0
Day 21	—	168.8	130.9	129.5
BUN (mg/dL)				
Day 4	15	15 (ns)	17 (ns)	16 (ns)
Day 5	13	12 (ns)	12 (ns)	13 (ns)
Day 8	34	15 (0.014)	19 (0.043)	23 (ns)
Day 14	—	21	47	21
Day 21	—	19	17	11
Creatinine (mg/dL)				
Day 4	0.8	0.8 (ns)	0.8 (ns)	0.7 (ns)
Day 5	0.8	0.8 (ns)	0.8 (ns)	0.8 (ns)
Day 8	2.9	1.1 (0.014)	1.1 (0.014)	1.2 (0.011)
Day 14	—	0.9	2.0	0.8
Day 21	—	0.7	0.7	0.7

ALT (U/L)				
Day 4	55	66 (ns)	46 (ns)	47 (ns)
Day 5	71	70 (ns)	58 (ns)	76 (ns)
Day 8	797	100 (0.014)	144 (0.025)	389 (ns)
Day 14	—	147	180	193
Day 21	—	57	59	61
AST (U/L)				
Day 4	80	79 (ns)	67 (ns)	77 (ns)
Day 5	234	105 (0.045)	144 (ns)	169 (ns)
Day 8	2455	348 (0.014)	373 (0.014)	914 (ns)
Day 14	—	165	130	182
Day 21	—	47	47	50
CK (U/L)				
Day 4	1706	1919 (ns)	1389 (ns)	1191 (ns)
Day 5	3772	2894 (ns)	2941 (ns)	1708 (0.045)
Day 8	7927	4104 (0.013)	3328 (0.048)	4838 (0.048)
Day 14	—	1942	1960	1596
Day 21	—	459	251	207
GGT (U/L)				
Day 4	64	87 (ns)	72 (ns)	52 (ns)
Day 5	61	85 (ns)	70 (ns)	54 (ns)
Day 8	236	118 (0.042)	143 (ns)	135 (ns)
Day 14	—	110	82	81
Day 21	—	82	77	58
LDH (U/L)				
Day 4	1174	1315 (ns)	1099 (ns)	1023 (ns)
Day 5	3647	1574 (ns)	2380 (ns)	2102 (ns)
Day 8	8601	5179 (ns)	4391 (ns)	6286 (ns)
Day 14	—	3549	4199	4214
Day 21	—	1048	1110	1076
CRP (mg/L)				
Day 4	11	8 (ns)	11 (ns)	7 (ns)
Day 5	27	15 (ns)	27 (ns)	13 (0.013)
Day 8	6	32 (0.031)	36 (ns)	20 (ns)
Day 14	—	8	11	9
Day 21	—	6	5	5
Albumin (g/dL)				
Day 4	3.6	3.6 (ns)	3.4 (ns)	3.4 (ns)
Day 5	3.5	3.4 (ns)	3.2 (ns)	3.4 (ns)
Day 8	2.6	3.3 (0.013)	2.9 (ns)	2.9 (ns)
Day 14	—	2.8	2.6	2.6
Day 21	—	3.1	3.1	2.9

Calcium (mg/dL)				
Day 4	9.1	9.4 (ns)	9.3 (ns)	8.9 (ns)
Day 5	8.8	9.1 (ns)	9.1 (ns)	8.8 (ns)
Day 8	7.9	9.3 (0.025)	9.1 (0.023)	8.6 (ns)
Day 14	—	8.8	8.5	8.0
Day 21	—	9.2	8.9	8.7
Lymphocytes (10 <sup>3</sup> /μL)				
Day 4	2.20	2.12 (ns)	2.92 (ns)	2.62 (ns)
Day 5	1.78	2.20 (ns)	2.73 (ns)	2.16 (ns)
Day 8	7.03	2.16 (0.025)	2.46 (0.025)	2.67 (0.043)
Day 14	—	3.58	9.10	5.60
Day 21	—	5.48	9.07	5.96
Neutrophils (10 <sup>3</sup> /μL)				
Day 4	7.28	7.54 (ns)	7.63 (ns)	6.10 (ns)
Day 5	5.89	4.94 (ns)	8.06 (ns)	6.04 (ns)
Day 8	15.76	7.42 (0.014)	6.51 (0.014)	8.24 (0.014)
Day 14	—	10.54	8.62	4.88
Day 21	—	7.17	8.26	5.53
Platelets (10 <sup>3</sup> /μL)				
Day 4	325	316 (ns)	349 (ns)	299 (ns)
Day 5	258	292 (ns)	315 (ns)	250 (ns)
Day 8	353	229 (ns)	258 (0.025)	180 (0.025)
Day 14	—	304	402	240
Day 21	—	454	479	335

ALT, alanine aminotransferase; AST, aspartate aminotransferase; BUN, blood urea nitrogen; CK, creatine kinase; CRP, C-reactive protein; GGT, gamma glutamyl transferase; LDH, lactate dehydrogenase; ns, not statistically significant.

\* Wilcoxon rank-sum test without adjustment for multiple comparisons for each remdesivir treatment group vs vehicle group through day 8 (n = 5-6 remdesivir; n = 4-6 vehicle).

All vehicle-control animals succumbed or were euthanized by day 9. Days 14 and 21: n = 5 remdesivir 10/5 mg/kg d4 and remdesivir 10/5 mg/kg d5; n=3-4 remdesivir 5 mg/kg d5.