

# Supplementary Materials

**Table S1.** Correlations between cardiac parameters and duration of the disease's acute phase.

Variables	Pearson Correlation	<i>p</i> -Value
nLF	0.04	0.80
nHF	-0.04	0.80
LF/HF	-0.02	0.87
SDNN	-0.02	0.88
RMSSD	-0.03	0.84
Mean HR, bpm	0.01	0.43

**Table S2.** Correlations between cardiac parameters and elapsed time from COVID-19 to ECG-test.

Variables	Pearson Correlation	<i>p</i> -Value
nLF	0.07	0.64
nHF	-0.07	0.64
LF/HF	-0.08	0.61
SDNN	-0.17	0.25
RMSSD	-0.11	0.49
Mean HR, bpm	0.02	0.91

**Table S3.** Subgroup analysis in recovered COVID-19 HCWs: cardiac parameters among males and females.

Variables	Male, <i>n</i> = 12	Female, <i>n</i> = 32	<i>p</i> -Value
nLF	55.2 ± 16.6	53.0 ± 21.1	0.78
nHF	44.8 ± 16.6	47 ± 21.0	0.78
LF/HF	1.57 ± 1.04	1.69 ± 1.48	0.78
SDNN <sup>a</sup>	1.34 (1.21–1.56)	1.39 (1.22–1.50)	0.88
RMSSD <sup>a</sup>	1.33 (1.06–1.50)	1.33 (1.15–1.47)	0.98
Mean HR, bpm	74 ± 10.8	73.9 ± 7.93	1.00

Values are given as mean ± standard deviation and median (IQR 25–75). Mann-Whitney U-test was used between males vs females. <sup>a</sup> Log transformed values.

**Table S4.** Subgroup analysis in recovered COVID-19 HCWs: cardiac parameters among subjects with and without cardiac symptoms and with and without palpitations during the acute phase of infection.

Variables	Subjects with Cardiac Symptoms, <i>n</i> = 22	Subjects without Cardiac Symptoms, <i>n</i> = 22	<i>p</i> -Value
nLF	54.1 ± 19.8	53.0 ± 20.3	0.89
nHF	45.8 ± 19.8	47.0 ± 20.3	0.88
LF/HF	1.72 ± 1.48	1.60 ± 1.28	0.87
SDNN <sup>a</sup>	1.34 (1.21–1.47)	1.42 (1.24–1.58)	0.23
RMSSD <sup>a</sup>	1.34 (1.09–1.44)	1.32 (1.15–1.53)	0.50
Mean HR, bpm	73.0 ± 6.97	74.7 ± 10.2	0.58

  

Variables	Subjects with Palpitations, <i>n</i> = 13	Subjects without Palpitations, <i>n</i> = 31	<i>p</i> -Value
nLF	51.5 ± 20.6	54.5 ± 19.8	0.63
nHF	48.4 ± 20.6	45.5 ± 19.8	0.64
LF/HF	1.49 ± 1.16	1.73 ± 1.46	0.64
SDNN <sup>a</sup>	1.42 (1.22–1.52)	1.35 (1.21–1.49)	0.64
RMSSD <sup>a</sup>	1.40 (1.15–1.55)	1.29 (1.14–1.49)	0.47
Mean HR, bpm	74.4 ± 7.33	73.7 ± 9.27	0.78

Values are given as mean  $\pm$  standard deviation and median (IQR 25–75). Mann-Whitney U-test was used between subjects with cardiac symptoms vs subjects without cardiac symptoms during the acute phase of infection. <sup>a</sup> Log transformed values.

**Table S5.** Subgroup analysis in recovered COVID-19 HCWs: cardiac parameters among night shift and workers.

<b>Variables</b>	<b>Night Shift Workers, n = 20</b>	<b>Daytime Workers, n = 24</b>	<b>p-Value</b>
nLF	53.2 $\pm$ 18.7	53.9 $\pm$ 21.1	0.90
nHF	46.7 $\pm$ 18.7	46.0 $\pm$ 21.0	0.90
LF/HF	1.58 $\pm$ 1.27	1.72 $\pm$ 1.47	0.90
SDNN <sup>a</sup>	1.43 (1.29–1.52)	1.31 (1.17–1.48)	0.19
RMSSD <sup>a</sup>	1.35 (1.21–1.47)	1.27 (1.08–1.49)	0.35
Mean HR, bpm	74.9 $\pm$ 9.27	73.0 $\pm$ 8.24	0.76

Values are given as mean  $\pm$  standard deviation and median (IQR 25–75). Mann-Whitney U-test was used between night shift vs daytime workers. <sup>a</sup> Log transformed values.

**Table S6.** Subgroup analysis in recovered COVID-19 HCWs: cardiac parameters among vaccinated and non-vaccinated.

<b>Variables</b>	<b>Vaccinated, n = 21</b>	<b>Non-Vaccinated, n = 23</b>	<b>p-Value</b>
nLF	49.5 $\pm$ 19.9	57.3 $\pm$ 19.4	0.21
nHF	50.4 $\pm$ 19.9	42.7 $\pm$ 19.4	0.21
LF/HF	1.37 $\pm$ 1.07	1.92 $\pm$ 1.56	0.20
SDNN <sup>a</sup>	1.42 (1.22–1.56)	1.34 (1.19–1.47)	0.22
RMSSD <sup>a</sup>	1.39 (1.19–1.55)	1.26 (1.08–1.38)	0.06
Mean HR, bpm	72.7 $\pm$ 6.87	75.0 $\pm$ 10.0	0.40

Values are given as mean  $\pm$  standard deviation and median (IQR 25–75). Mann-Whitney U-test was used between vaccinated vs non-vaccinated. <sup>a</sup> Log transformed values.

**Table S7.** Multiple regression analysis (model a) of the influence of SARS-COV-2 infection, age, sex, elapsed time from COVID-19 to ECG test, vaccination status, night work, body mass index, systolic blood pressure and palpitations on LF/HF.

<b>Variables</b>	<b>B</b>	<b>R</b>	<b>t</b>	<b>p-Value</b>
SARS-COV-2 infection	0.72	0.24	2.15	<b>0.03</b>
Age	0.03	0.27	2.51	<b>0.01</b>
Sex	0.05	0.02	0.17	0.87
Elapsed time from COVID-19 to ECG test	-0.003	-0.06	-0.52	0.61
Vaccination status	-0.14	-0.15	-1.38	0.17
Night work	0.05	0.02	0.19	0.84
Body mass index	-0.004	-0.01	-0.11	0.91
Systolic blood pressure	0.007	0.08	0.76	0.45
Palpitations	-0.33	-0.11	-0.94	0.34