

Table S1: Correlation coefficient with peak $\dot{V}O_2$

	r	P-value
Age	0.259	0.01
Heart rate	-0.354	0.01
Resting echocardiography		
EF (m-S) (%)	0.164	0.28
SV (ml/m ²)	0.326	0.03
CS (%)	0.020	0.89
LS (%)	0.041	0.77
LV septal s' (cm/sec)	-0.244	0.09
E/e'	0.012	0.90
TAPSE (mm)	0.009	0.95
FAC of RV (%)	-0.007	0.96
Exercise echocardiography		
max/base BP	0.101	0.47
max/base HR	0.306	0.02
max/base CS	0.096	0.50
max/base LS	-0.150	0.30
max/base s'	0.078	0.58

Abbreviations: $\dot{V}O_2$, oxygen consumption; r, Pearson correlation coefficient or Spearman's rank correlation coefficient; EF, ejection fraction; SV, stroke volume; CS, circumferential strain; LS, longitudinal strain; LV, left ventricle; s' , peak systolic mitral annular velocity; E/e' , ratio of early diastolic velocity of mitral inflow and early diastolic velocity of mitral annular motion; TAPSE, tricuspid annular plane systolic excursion; FAC, fractional area change; RV, right ventricle; BP, blood pressure; HR, heart rate; max/base, the maximum value during exercise divided by the baseline value before the start of exercise.

Table S2: Intraclass correlation coefficients for intra- and inter-observer reliability

Parameter	Intra (95% CI)	Inter (95% CI)
Rest LV CS	0.88 (0.72 - 0.95)	0.92 (0.80 - 0.97)
Rest LV GLS	0.86 (0.68 - 0.94)	0.87 (0.69 - 0.95)
Rest LV LS	0.79 (0.54 - 0.91)	0.93 (0.78 - 0.97)
Rest RVS	0.72 (0.43 - 0.89)	0.74 (0.46 - 0.89)
Exercise LV CS	0.76 (0.59 - 0.87)	0.62 (0.38 - 0.78)
Exercise LV LS	0.83 (0.71 - 0.91)	0.75 (0.58 - 0.86)

Abbreviations: CI, confidential interval; LV, left ventricle; CS, circumferential strain; (G)LS, (global) longitudinal strain; RVS, right ventricle strain.

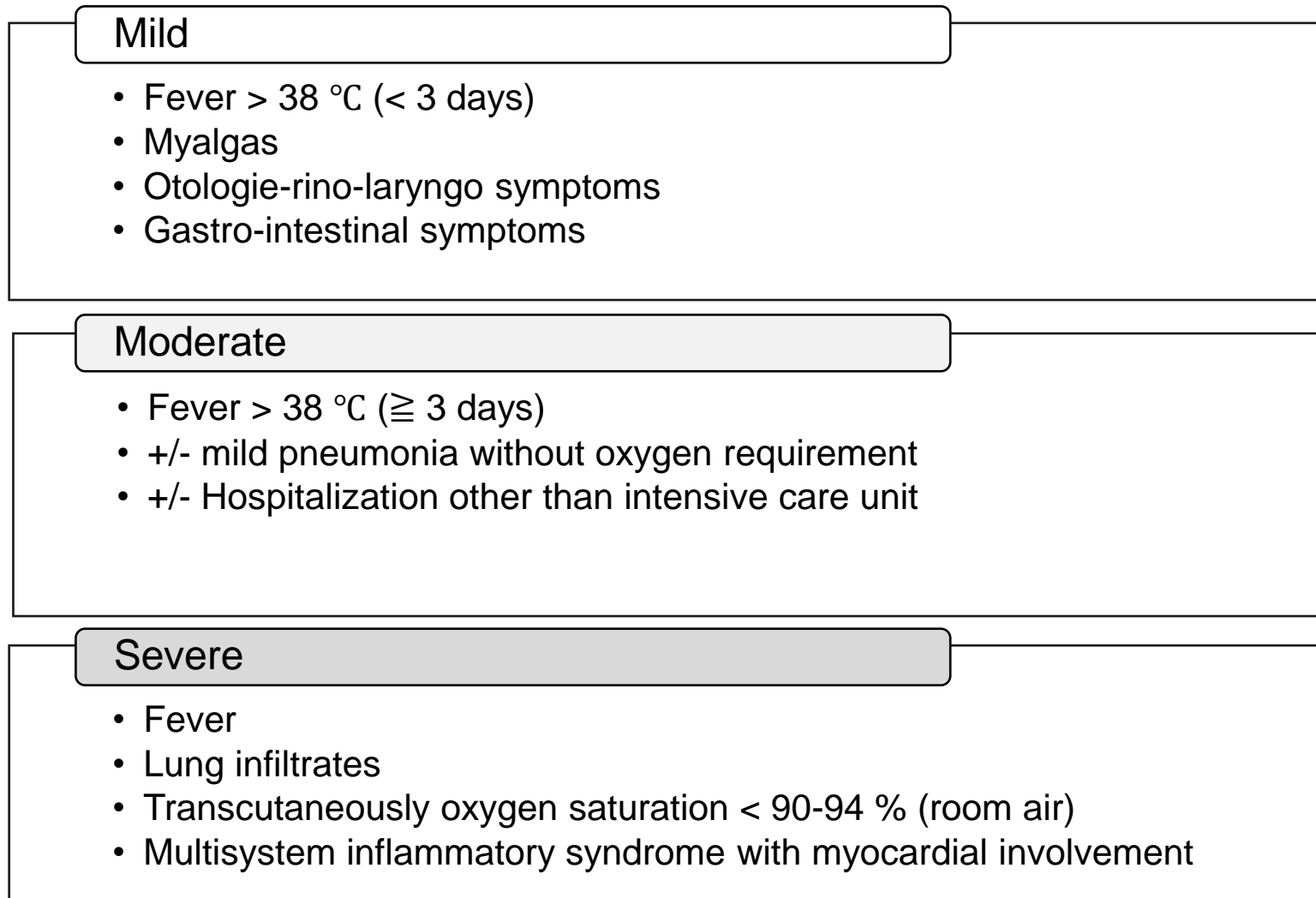


Figure S1 : Severity score in the acute phase of COVID-19 infection
Partially reorganized reference 11.

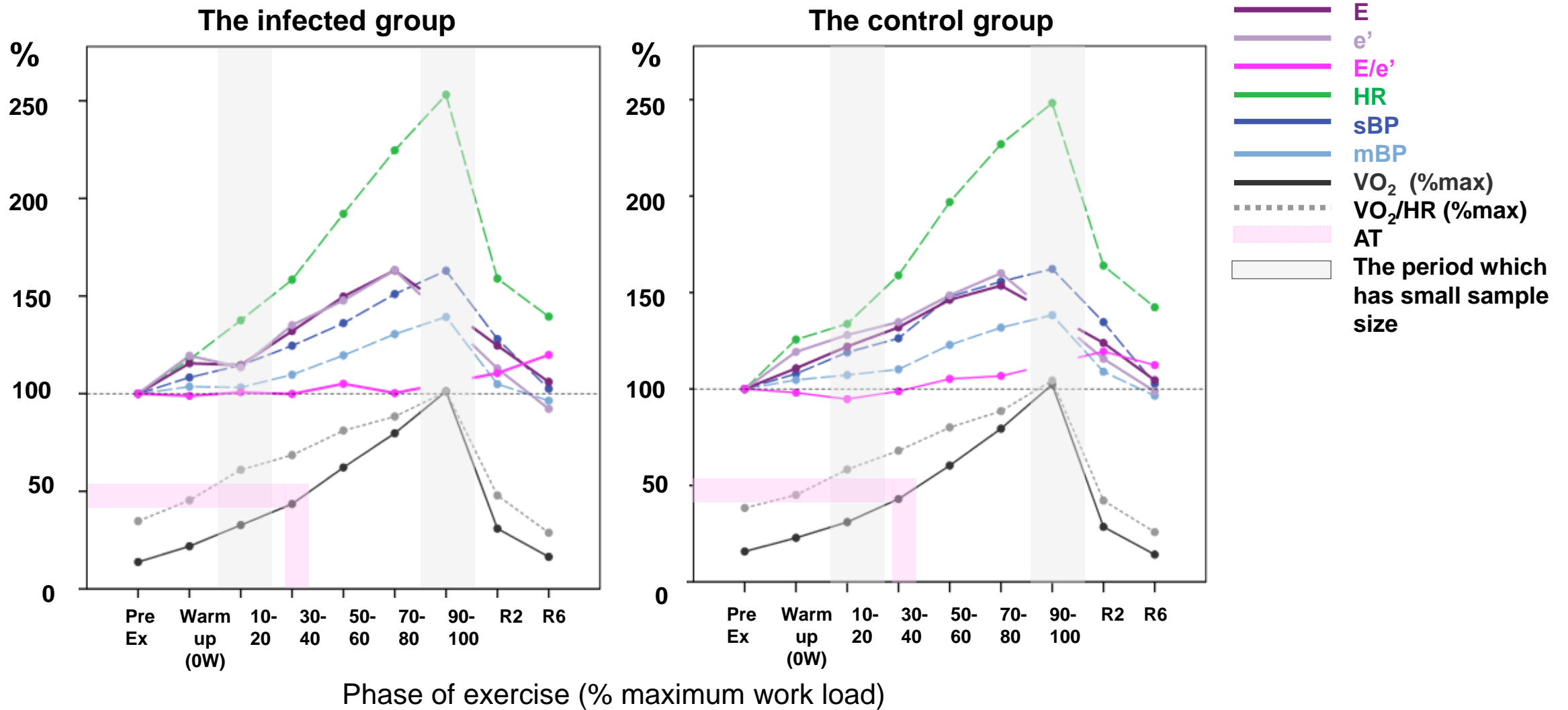


Figure S2: Rate of diastolic parameters in LV and cardiovascular reaction during exercise (value under exercise/baseline (%))

The structure of the figure is the same as in Fig. 3.

Abbreviations: E, early diastolic velocity of mitral inflow; e', early diastolic velocity of mitral annular motion.