

**Table S1:** Statistical analysis of clinical parameters for all patients included. Missing data were excluded, causing different numbers for each parameter. Average  $\pm$  standard deviation is shown. For metric parameters significance was determined using Student's T-test, Cross tables were analysed using Fisher's exact test.  $p < 0.1$ : +;  $p < 0.05$ : \*;  $p < 0.01$ : \*\*

Parameter		All patients		
		All	untreated	treated
Number		752	98	654
Age		64.7 ± 16.9	65.6 ± 21.2	64.6 ± 16.2
Symptoms				
Coughing (n/y)		292/410	54/36	238/374 **
% yes		58.4 %	40.0 %	61.1 %
Dyspnea (n/y)		529/170	47/43	482/172 **
% yes		24.3 %	47.8 %	26.3 %
Fatigue (n/y)		510/187	69/21	441/166
		26.8%	23.3 %	27.3 %
Pain (n/y)		451/248	70/20	381/228 **
% yes		35.5 %	22.2 %	37.4 %
Inappetence (n/y)		600/99	76/14	524/85
% yes		14.2 %	15.6 %	14.0 %
Loss of taste and smell (n/y)		637/61	86/4	551/57
% yes		8.7 %	4.4 %	9.4 %
Diarrhoea / vomitting (n/y)		612/88	81/9	531/79
% yes		12.6 %	10.0 %	13.0 %
Fever (n/y)		478/221	54/36	424/185 +
% yes		31.6 %	40.0 %	30.4 %
Temperature		37.3 ± 1.0	37.3 ± 1.0	37.3 ± 1.0
Neurological Symptoms (n/y)		656/42	84/6	572/36
	% yes	6.0 %	6.7 %	5.9 %
Syncope (n/y)		669/30	80/10	589/20 **
% yes		4.3 %	11.1 %	3.3 %
Preexisting illness				
Hypertension (n/y)		314/386	44/49	270/337
% yes		55.1 %	52.7 %	55.5 %
Blood pressure systolic		128.3 ± 19.0	125 ± 2.8	128.7 ± 0.8
Blood pressure diastolic		77.9 ± 12.3	73.6 ± 11.7	78.4 ± 12.3 **
Cardiac frequency (1/min)		81.7 ± 16.2	84.3 ± 1.9	81.0 ± 1.0
Diabetes (n/y)		547/154	69/24	478/130
% yes		22.0 %	25.8 %	21.4 %
Renal insufficiency (n/y)		586/113	73/20	513/93
% yes		16.2 %	21.5 %	15.3 %
COPD/Asthma (n/y)		569/130	72/21	497/109
% yes		18.6 %	22.6 %	18.0 %
Active malignoma (n/y)		640/61	86/7	554/54
% yes		8.7 %	7.5 %	8.9 %
Inactive malignoma (n/y)		664/37	86/6	578/28
% yes		5.3 %	6.5 %	4.6 %
Immunosuppression (n/y)		661/39	90/3	571/36
% yes		5.6 %	3.2 %	5.9 %
Obesity (n/y)		560/137	73/19	487/118

% yes	19.7 %	20.7 %	19.5 %
Heart disease (n/y)	522/174	62/31	460/143 +
% yes	25 %	33.3 %	23.7 %
Hypothyreosis (n/y)	608/88	76/16	532/72
% yes	12.6 %	17.4 %	11.9 %
<b>Blood gas analysis</b>			
pO <sub>2</sub>	10.2 ± 2.7	9.7 ± 4.4	10.3 ± 2.3
pCO <sub>2</sub>	4.9 ± 2.0	4.7 ± 0.9	5.0 ± 2.1
O <sub>2</sub> -Saturation %	95.2 ± 30.8	92.5 ± 4.9	95.6 ± 33.1
<b>Clinical chemistry</b>			
Hemoglobin (mM)	8.4 ± 4.0	8.2 ± 1.2	8.4 ± 1.3 +
Leukocytes (Gpt/L)	6.5 ± 8.0	7.5 ± 0.4	6.0 ± 4.5 **
Lymphocytes (Gpt/L)	1.6 ± 2.2	1.5 ± 2.2	1.6 ± 2.2
Thrombocytes (Gpt/L)	205.5 ± 78.5	204.9 ± 88.6	206.6 ± 76.3
CRP (mg/L)	39.5 ± 52.7	69.2 ± 69.3	34.4 ± 47.6
			**
proBNP (mg/mL)	2149 ± 4393	2413 ± 5191	2025 ± 3981
Troponin (ng/mL)	0.045 ± 0.16	0.08 ± 0.30	0.036 ± 0.09
Blood glucose (mM)	8.1 ± 9.4	9.6 ± 0.3	7.6 ± 0.1
Creatinin(μM)	106.4 ± 106.5	111.3 ± 111.4	105.6 ± 105.8
GFR (mL/min/1.73m <sup>2</sup> )	74.2 ± 28.1	72.4 ± 34.0	74.5 ± 27.0
RT-PCR (Ct)	24.7 ± 5.2	26.7 ± 4.9	24.3 ± 5.2 **
Hospitalization (d)	5.9 ± 9.0	14.4 ± 11.1	4.5 ± 7.8 **
Death (n/y)	622/40	77/17	545/23 **
% yes	6.0 %	18.1 %	4.1 %

Parameter	Female		
	All	untreated	treated
Number	406	59	347
Age	66.3 ± 17.1	64.7 ± 21.0	66.6 ± 13.3
<b>Symptoms</b>			
Coughing (n/y)	153/218	31/22	122/196 **
% yes	58.7 %	41.5 %	61.6 %
Dyspnea (n/y)	275/96	25/28	250/68 **
% yes	25.9 %	52.8 %	21.4 %
Fatigue (n/y)	269/101	37/16	232/85
	27.3 %	30.2 %	26.8 %
Pain (n/y)	234/136	38/15	196/121
% yes	36.8 %	28.3 %	38.2 %
Inappetence (n/y)	311/60	44/9	267/51
% yes	16.2 %	17.0 %	16.0 %
Loss of taste and smell (n/y)	338/32	52/1	286/31 +
% yes	8.6 %	1.9 %	9.8 %
Diarrhoea / vomitting (n/y)	313/58	46/7	267/51
% yes	15.6 %	13.2 %	16.0 %
Fever (n/y)	255/116	31/22	224/94
% yes	31.2 %	41.5 %	29.6 %
Temperature	37.3 ± 1.0	37.3 ± 1.0	37.4 ± 1.0
Neurological Symptoms	345/26	49/4	296/22

(n/y) % yes	7.0 %	7.5 %	6.9 %
Syncope (n/y)	355/16	46/7	309/9 **
% yes	4.3 %	13.2 %	2.8 %
<b>Preexisting illness</b>			
Hypertension (n/y)	172/197	27/28	145/169
% yes	53.4 %	50.9 %	53.8 %
Blood pressure systolic	127.5 ± 20.4	123.9 ± 24.4	128.0 ± 19.8
Blood pressure diastolic	76.8 ± 12.6	72.8 ± 12.4	77.6 ± 12.3 *
Cardiac frequency (1/min)	82.1 ± 15.7	83.7 ± 15.5	81.6 ± 16.0
Diabetes (n/y)	298/71	44/11	254/60
% yes	19.2 %	20.0 %	19.2 %
Renal insufficiency (n/y)	308/61	45/10	263/51
% yes	16.5 %	18.2 %	16.2 %
COPD/Asthma (n/y)	298/71	44/11	154/60
% yes	19.2 %	20.0 %	29.4 %
Active malignoma (n/y)	344/25	53/2	291/23
% yes	6.8 %	3.6 %	7.3 %
Inactive malignoma (n/y)	351/15	50/5	301/10 +
% yes	4.1 %	9.1 %	3.2 %
Immunosuppression (n/y)	346/23	54/1	292/22
% yes	6.2 %	1.8 %	7.0 %
Obesity (n/y)	290/79	40/15	250/64
% yes	21.4 %	27.3 %	20.4 %
Heart disease (n/y)	285/81	39/16	246/65
% yes	22.1 %	29.0 %	20.9 %
Hypothyreosis (n/y)	301/65	42/13	259/52
% yes	17.8 %	23.6 %	16.7 %
<b>Blood gas analysis</b>			
pO <sub>2</sub>	10.2 ± 2.3	9.1 ± 2.2	10.4 ± 2.3 **
pCO <sub>2</sub>	4.8 ± 0.7	4.8 ± 0.9	4.9 ± 0.7
O <sub>2</sub> -Saturation %	94.1 ± 5.8	92.3 ± 3.9	94.4 ± 6.0 *
<b>Clinical chemistry</b>			
Hemoglobin (mM)	8.2 ± 1.1	8.0 ± 1.1	8.2 ± 1.1
Leukocytes (Gpt/L)	5.9 ± 0.2	7.1 ± 3.6	5.6 ± 2.8 **
Lymphocytes (Gpt/L)	1.2 ± 0.1	1.4 ± 1.4	1.2 ± 0.9
Thrombocytes (Gpt/L)	210.4 ± 74.9	213.9 ± 88.6	209.8 ± 22.1
CRP (mg/L)	35.8 ± 47.2	56.9 ± 57.8	31.5 ± 53.6 **
proBNP (mg/mL)	2052 ± 4032	2057 ± 4386	2048 ± 3880
Troponin (ng/mL)	0.034 ± 0.01	0.045 ± 0.09	0.031 ± 0.09 *
Blood glucose (mM)	8.2 ± 0.9	10.2 ± 21.1	7.5 ± 4.0
Creatinin(μM)	88.9 ± 4.0	90.5 ± 63.3	89.8 ± 74.3
GFR (mL/min/1.73m <sup>2</sup> )	74.7 ± 1.6	74.7 ± 35.0	74.7 ± 27.0
RT-PCR (Ct)	24.9 ± 5.2	27.0 ± 5.1	24.3 ± 5.1 **
Hospitalization (d)	6.5 ± 9.8	16.1 ± 12.0	4.6 ± 8.1 **
Death (n/y)	325/19	51/6	274/13
% yes	5.5 %	10.5 %	4.5 %

Parameter	Male		
	All	untreated	treated
Number	346	39	307
Age	62.9 ± 16.5	66.9 ± 21.7	62.4 ± 15.7
<b>Symptoms</b>			

Coughing (n/y)	139/192	23/14	116/178 *
% yes	58.0 %	37.8 %	60.5 %
Dyspnea (n/y)	254/74	22/15	232/59 *
% yes	22.6 %	40.5 %	20.3 %
Fatigue (n/y)	241/86	32/5	209/81 +
% yes	26.3 %	13.5 %	27.9 %
Pain (n/y)	217/112	32/5	185/107 **
% yes	34.0 %	13.5 %	36.6 %
Inappetence (n/y)	289/39	32/5	257/34
% yes	11.9 %	13.5 %	11.7 %
Loss of taste and smell (n/y)	299/29	34/3	265/26
% yes	8.8 %	8.1 %	8.9 %
Diarrhoea / vomiting (n/y)	299/30	35/2	264/28
% yes	9.1 %	5.4 %	9.6 %
Fever (n/y)	223/105	23/14	200/91
% yes	32.0 %	37.8 %	31.3 %
Temperature	37.3 ± 1.0	37.4 ± 1.0	37.3 ± 1.0
Neurological Symptoms (n/y) % yes	312/16	35/2	277/14
% yes	4.5 %	5.4 %	4.8 %
Syncope (n/y)	314/14	34/3	280/11
% yes	4.3 %	8.1 %	3.8 %
<b>Preexisting illness</b>			
Hypertension (n/y)	142/189	17/21	125/168
% yes	57.1 %	55.3 %	57.3 %
Blood pressure systolic	129.2 ± 17.3	127.0 ± 18.1	129.4 ± 17.3
Blood pressure diastolic	79.2 ± 12.2	75.1 ± 10.3	79.5 ± 10.3
Cardiac frequency (1/min)	81.1 ± 17.0	85.3 ± 17.9	80.2 ± 16.7
Diabetes (n/y)	249/83	25/13	224/70
% yes	25.0 %	34.2 %	23.8 %
Renal insufficiency (n/y)	278/52	28/10	250/42 +
% yes	15.8 %	26.3 %	14.4 %
COPD/Asthma (n/y)	271/59	28/10	243/49
% yes	17.9 %	26.3 %	16.8 %
Active malignoma (n/y)	296/36 +	33/5	263/31
% yes	10.8 %	13.2 %	10.5 %
Inactive malignoma (n/y)	313/19	36/1	277/18
% yes	5.7 %	2.7 %	6.1 %
Immunosuppression (n/y)	315/16	36/2	279/14
% yes	4.8 %	5.3 %	4.8 %
Obesity (n/y)	270/58	33/4	237/54
% yes	17.7 %	10.8 %	18.6 %
Heart disease (n/y)	237/93 +	23/15	214/78
% yes	28.2 %	39.5 %	26.7 %
Hypothyreosis (n/y)	307/23 **	34/3	273/20
% yes	7.0 %	8.1 %	6.8 %
<b>Blood gas analysis</b>			
pO <sub>2</sub>	10.2 ± 3.1	10.5 ± 6.4	10.1 ± 2.4
pCO <sub>2</sub>	4.8 ± 0.7	4.7 ± 0.8	4.8 ± 0.7
O <sub>2</sub> -Saturation %	94.0 ± 4.6	92.8 ± 6.2	94.1 ± 4.4
<b>Clinical chemistry</b>			
Hemoglobin (mM)	8.7 ± 1.4	8.5 ± 1.4	8.7 ± 1.4

Leukocytes (Gpt/L)	6.6 ± 5.6	8.0 ± 5.2	6.5 ± 5.7
Lymphocytes (Gpt/L)	1.9 ± 3.0	1.8 ± 3.2	2.0 ± 3.0
Thrombocytes (Gpt/L)	200.1 ± 81.3	191.7 ± 88.3	201.2 ± 80.4
CRP (mg/L)	43.7 ± 58.2	88.7 ± 81.4	37.5 ± 51.5 **
proBNP (mg/mL)	2278 ± 4852	2911 ± 6209	1995 ± 4142
Troponin (ng/mL)	0.060 ± 0.22	0.137 ± 0.47	0.041 ± 0.08
Blood glucose (mM)	8.0 ± 6.1	8.8 ± 4.2	7.7 ± 6.5
Creatinin(μM)	125.1 ± 132.7	142.2 ± 154.1	122.7 ± 129.5
GFR (mL/min/1.73m <sup>2</sup> )	73.7 ± 27.7	68.8 ± 32.8	74.3 ± 26.0
RT-PCR (Ct)	24.5 ± 5.3	26.6 ± 4.6	24.2 ± 5.3 *
Hospitalization (d)	5.3 ± 8.1	11.9 ± 9.5	4.4 ± 7.4 **
Death (n/y)	297/21	26/11	271/10 **
% yes	6.6 %	29.7 %	3.6 %