

Table S3: Statistical analysis of clinical parameters for hospitalized patients. 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		350	90 260
Age		67.7 \pm 16.7	66.9 \pm 20.9 68.0 \pm 15.1
Symptoms			
Coughing (n/y)		157/179	52/31 105/148 **
% yes		53.3 %	37.3 % 58.5 %
Dyspnea (n/y)		229/107	44/39 185/68 **
% yes		31.8 %	47.0 % 26.9%
Fatigue (n/y)		218/117	63/20 155/97 *
% yes		34.9 %	24.1 % 38.5 %
Pain (n/y)		241/94	67/16 174/78 *
% yes		28.1 %	19.3 % 31.0 %
Inappetenz (n/y)		273/63	71/12 202/51
% yes		18.8 %	14.5 % 20.2 %
Loss of taste and smell (n/y)		309/26	79/4 230/22
% yes		7.8 %	4.8 % 8.7 %
Diarrhoea / vomiting (n/y)		291/45	74/9 217/36
% yes		13.4 %	10.8 % 14.2 %
Fever (n/y)		211/125	49/43 162/91
% yes		37.2 %	41.0 % 36.0 %
Temperature		37.3 \pm 1.0	37.3 \pm 0.9 37.3 \pm 1.0
Neurological	Symptoms	310/26	78/5 232/21
	(n/y) % yes	7.7 %	6.0 % 8.3 %
Syncope (n/y)		311/25	73/10 238/15 +
% yes		7.4 %	12.0 % 5.9 %
Risk factors			
Hypertension (n/y)		140/202	39/47 101/57
% yes		59.1 %	54.7 % 60.5 %
Blood pressure systolic		128.3 \pm 20.3	124.9 \pm 20.4 129.1 \pm 19.6
Blood pressure diastolic		76.8 \pm 12.9	73.4 \pm 11.7 77.7 \pm 13.1 *
Cardiac frequency (1/min)		81.8 \pm 16.2	83.5 \pm 15.7 81.2 \pm 16.3
Diabetes (n/y)		254/88	62/24 192/64
% yes		25.7 %	27.9 % 25.0 %
Renal insufficiency (n/y)		274/67	67/19 207/48
% yes		19.6 %	22.1 % 18.8 %
COPD/Asthma (n/y)		267/74	65/21 202/53
% yes		21.7 %	24.4 % 20.8 %
Active malignoma (n/y)		311/31	79/7 232/24
% yes		9.1 %	8.1 % 9.4 %
Inactive malignoma (n/y)		318/23	83/3 235/20
% yes		6.7 %	3.5 % 7.8 %
Immunosuppression (n/y)		262/76	68/17 194/59
% yes		22.5 %	20 % 23.3 %
Obesity (n/y)		229/109	56/30 173/79
% yes		32.2 %	34.9 % 31.3 %

Heart disease (n/y)	323/16	80/5	243/11
% yes	4.7 %	5.9 %	4.3 %
Hypothyreosis (n/y)	283/56	69/16	214/40
% yes	16.5 %	18.8 %	15.7 %
Blood gas analysis			
pO ₂	10.0 ± 3.2	9.7 ± 4.5	10.1 ± 2.6
pCO ₂	4.7 ± 0.8	4.7 ± 0.8	4.7 ± 0.8
O ₂ -Saturation %	93.5 ± 4.7	92.3 ± 4.9	94.0 ± 4.6 **
Clinical chemistry			
Hemoglobin (mM)	8.2 ± 1.3	8.2 ± 1.2	8.2 ± 1.3
Leukocytes (Gpt/L)	6.7 ± 5.8	7.6 ± 4.4	6.4 ± 6.2
Lymphocytes (Gpt/L)	1.3 ± 1.7	1.3 ± 1.9	1.3 ± 1.6
Thrombocytes (Gpt/L)	200.9 ± 80.9	208.4 ± 90.3	198.3 ± 77.3
CRP (mg/L)	50.4 ± 56.4	66.7 ± 69.4	43.3 ± 49.0 **
proBNP (mg/mL)	2392 ± 4728	2543 ± 5347	2308 ± 4374
Troponin (ng/mL)	0.05 ± 0.19	0.08 ± 0.3	0.04 ± 0.1
Blood glucose (mM)	8.2 ± 10.4	9.8 ± 17.0	7.5 ± 3.9
Creatinin(μM)	120.3 ± 132.8	115.1 ± 115.0	122.2 ± 139.0
GFR (mL/min/1.73m ²)	68.8 ± 29.1	70.1 ± 33.8	68.3 ± 27.3
RT-PCR (Ct)	24.7 ± 5.2	26.9 ± 5.1	24.2 ± 5.1 **
Hospitalization (d)	10.4 ± 9.8	14.4 ± 11.1	9.1 ± 9.0 **
Death (n/y)	310/34	71/16	293/18 **
% yes	9.9 %	18.4 %	7.0 %

Parameter		Female	
Number	All	untreated	treated
Age	185	52	133
Symptoms			
Coughing (n/y)	68.5 ± 16.8	66.8 ± 20.3	69.2 ± 15.3
% yes			
Dyspnea (n/y)	86/90	29/18	57/72 *
% yes	51.1 %	38.3 %	55.8 %
Fatigue (n/y)	113/63	22/25	91/38 **
% yes	35.8 %	53.2 %	29.5 %
Pain (n/y)	111/64	32/15	79/49
% yes	36.6 %	31.9 %	38.3 %
Inappetenz (n/y)	122/53	35/12	87/41
% yes	30.3 %	25.5 %	32.0 %
Loss of taste and smell (n/y)	138/38	40/7	98/31
% yes	21.6 %	14.9 %	24.0 %
Diarrhoea / vomitting (n/y)	163/12	46/1	117/11
% yes	6.9 %	2.1 %	8.6 %
Fever (n/y)	147/29	40/7	107/22
% yes	16.5 %	14.9 %	17.1 %
Temperature	110/66	27/20	83/46
% yes	37.5 %	42.6 %	35.7 %
Neurological Symptoms (n/y) % yes	37.4 ± 0.9	37.2 ± 0.9	37.4 ± 0.9
Syncope (n/y)	162/14	44/3	118/11
% yes	8.0 %	6.4 %	8.5 %
Preexisting illness			

Hypertension (n/y)	161/15	40/7	121/8
% yes	8.5 %	14.9 %	6.2 %
Blood pressure systolic	79/100	22/27	57/73
	55.9 %	55.1 %	56.2 %
Blood pressure diastolic	128.5 ± 22.2	123.7 ± 24.7	130.0 ± 21.2
Cardiac frequency (1/min)	76.7 ± 13.2	72.4 ± 12.4	87.1 ± 13.2 *
Diabetes (n/y)	82.2 ± 15.4	83.1 ± 14.8	81.9 ± 15.7
% yes			
Renal insufficiency (n/y)	138/41	38/11	100/30
% yes	22.9 %	22.4 %	23.1 %
COPD/Asthma (n/y)	146/33	39/10	107/23
% yes	18.4 %	20.4 %	17.7 %
Active malignoma (n/y)	145/34	38/11	107/23
% yes	19.0 %	22.4 %	17.7 %
Inactive malignoma (n/y)	168/11	47/2	121/9
% yes	6.1 %	4.1 %	6.9 %
Immunosuppression (n/y)	164/15	48/1	116/14 +
% yes	8.4 %	2.0 %	10.8 %
Obesity (n/y)	132/47	36/13	96/34
% yes	26.3 %	26.5 %	26.2 %
Heart disease (n/y)	129/49	33/16	96/33
% yes	27.5 %	32.7 %	25.6 %
Hypothyreosis (n/y)	169/8	45/4	124/4
% yes	4.5 %	8.2 %	3.1 %
Blood gas analysis			
pO ₂	134/43	36/13	98/30
	24.3 %	26.5 %	23.4 %
pCO ₂	9.7 ± 2.3	9.1 ± 2.2	10.0 ± 2.3 *
O ₂ -Saturation %	4.7 ± 0.8	4.7 ± 0.9	4.7 ± 0.8
Clinical chemistry			
Hemoglobin (mM)	8.1 ± 1.2	8.0 ± 1.1	8.1 ± 1.3
Leukocytes (Gpt/L)	6.3 ± 3.3	7.3 ± 3.7	5.8 ± 3.1 *
Lymphocytes (Gpt/L)	1.1 ± 0.5	1.2 ± 0.5	1.1 ± 0.5
Thrombocytes (Gpt/L)	203.8 ± 71.7	219.2 ± 91.2	194.4 ± 91.6
CRP (mg/L)	44.0 ± 47.7	58.9 ± 59.6	37.6 ± 40.3 *
proBNP (mg/mL)	2173 ± 4271	2234 ± 4550	2139 ± 4156
Troponin (ng/mL)	0.04 ± 0.10	0.05 ± 0.09	0.03 ± 0.11
Blood glucose (mM)	8.7 ± 13.7	10.5 ± 22.1	7.7 ± 4.5
Creatinin(μM)	91.6 ± 62.7	94.3 ± 65.9	90.5 ± 61.6
GFR (mL/min/1.73m ²)	70.8 ± 28.7	71.0 ± 34.5	70.7 ± 26.1
RT-PCR (Ct)	24.7 ± 5.1	27.2 ± 5.3	24.0 ± 4.8 **
Hospitalization (d)	11.1 ± 10.6	16.2 ± 11.9	9.2 ± 9.4 **
Death (n/y)	165/16	45/6	120/10
% yes	11.0 %	11.8 %	7.7 %

Parameter	Male	
	All	untreated treated
Number	165	38 127
Age	66.8 ± 16.7	66.9 ± 22.0 66.8 ± 15.0
Symptoms		
Coughing (n/y)	71/89	23/13 48/76 *

% yes	55.6 %	36.1 %	61.3 %
Dyspnea (n/y)	116/44	22/14	94/30 +
% yes	27.5 %	38.9 %	24.2 %
Fatigue (n/y)	107/53	31/5	76/48 **
% yes	33.1 %	13.9 %	38.7 %
Pain (n/y)	119/41	32/4	37/37 *
% yes	25.6 %	11.1 %	29.8 %
Inappetenz (n/y)	135/25	31/5	104/20
% yes	15.6 %	13.9 %	16.1 %
Loss of taste and smell (n/y)	146/14	33/3	113/11
% yes	8.8 %	8.3 %	8.9 %
Diarrhoea / vomiting (n/y)	144/16	34/2	110/14
% yes	10.0 %	5.6 %	11.3 %
Fever (n/y)	101/59	22/14	79/45
% yes	36.9 %	38.9 %	36.3 %
Temperature	37.2 ± 1.0	37.4 ± 1.0	37.2 ± 1.0
Neurological Symptoms (n/y) % yes	148/12	34/2	114/10
% yes	7.5 %	5.6 %	8.1 %
Syncope (n/y)	150/10	33/3	117/7
% yes	6.3 %	8.3 %	5.6 %
Risk factors			
Hypertension (n/y)	61/102	17/20	44/82
% yes	62.6 %	54.1 %	65.1 %
Blood pressure systolic	128.1 ± 17.8	127.0 ± 18.1	128.3 ± 17.8
Blood pressure diastolic	76.9 ± 12.6	75.1 ± 10.3	77.2 ± 13.0
Cardiac frequency (1/min)	81.3 ± 17.2	84.3 ± 17.5	80.4 ± 17.1
Diabetes (n/y)	116/47	24/13	92/34
% yes	28.8 %	25.1 %	27.0 %
Renal insufficiency (n/y)	128/34	28/9	100/25
% yes	21.0 %	24.3 %	20.0 %
COPD/Asthma (n/y)	122/40	27/10	95/30
% yes	24.7 %	27.0 %	24.0 %
Active malignoma (n/y)	143/20	32/5	111/15
% yes	12.3 %	13.5 %	11.9 %
Inactive malignoma (n/y)	154/8	35/2	119/6
% yes	4.9 %	5.4 %	4.8 %
Immunosuppression (n/y)	130/29 +	32/4	98/25
% yes	18.2 %	11.1 %	20.3 %
Obesity (n/y)	100/60	23/14	77/46
% yes	37.5 %	37.8 %	37.4 %
Heart disease (n/y)	154/8	35/1	119/7
% yes	4.9 %	2.8 %	5.6 %
Hypothyreosis (n/y)	149/13 *	33/3	116/10
% yes	8.0 %	8.3 %	7.9 %
Blood gas analysis			
pO ₂	10.3 ± 3.7 +	10.5 ± 6.5	10.3 ± 2.8
pCO ₂	4.7 ± 0.8	4.7 ± 0.8	4.7 ± 0.8
O ₂ -Saturation %	93.5 ± 5.4	92.6 ± 6.1	93.8 ± 5.1
Clinical chemistry			
Hemoglobin (mM)	8.4 ± 1.4 +	8.4 ± 1.4	8.4 ± 1.4

Leukocytes (Gpt/L)	7.3 ± 7.7	8.0 ± 5.3	7.0 ± 8.3
Lymphocytes (Gpt/L)	1.6 ± 2.4 *	1.6 ± 3.0	1.6 ± 2.2
Thrombocytes (Gpt/L)	197.6 ± 90.5	192.7 ± 89.4	199.3 ± 91.1
CRP (mg/L)	57.9 ± 64.4 *	85.4 ± 80.1	49.4 ± 56.4 *
proBNP (mg/mL)	2710 ± 5343	2949 ± 6340	2567 ± 4729
Troponin (ng/mL)	0.08 ± 0.26	0.14 ± 0.48	0.06 ± 0.09
Blood glucose (mM)	7.7 ± 3.5	8.8 ± 4.2	7.2 ± 3.0 *
Creatinin(μM)	153.0 ± 177.3 **	143.5 ± 156.0	156.1 ± 184.2
GFR (mL/min/1.73m ²)	66.4 ± 29.5	68.7 ± 33.2	65.6 ± 28.3
RT-PCR (Ct)	24.7 ± 5.3	26.4 ± 4.9	24.4 ± 5.4 +
Hospitalization (d)	9.6 ± 8.8	11.9 ± 9.5	8.9 ± 8.6 +
Death (n/y)	145/18	26/10	119/8 **
% yes	11.0 %	27.8 %	6.3 %