Supplementary Materials:

Table S1: Characterization of the clinical profile of patients in the -BCG and +BCG groups in the total sample and stratified for females and males.

	Total (n=156)	Females (n=92)			Male (n=64)		
		- BCG (n=51)	+ BCG (n= 41)	$p*$	- BCG (n=25)	+ BCG (n=39)	$p*$
Age distribution (years), n (%)							
18 - 39	75 (48,1)	19 (37,3)	16 (39,0)		17 (68,0)	23 (59,0)	
40 - 59	70 (44,9)	27 (52,9)	23 (56,1)	0,67	7 (28,0)	13 (33,3)	0,72
60 - 69	11 (7,1)	5 (9,8)	2 (4,9)		1 (4,0)	3 (7,7)	
Obesity, n (%)							
No	127 (81,4)	38 (74,5)	31 (75,6)	0,90	22 (88,0)	36 (92,3)	0,56
Yes	29 (18,6)	13 (25,5)	10 (24,4)		3 (12,0)	3 (7,7)	
Degree of education							
Middle school	5 (3,2)	0 (0,0)	1 (2,4)		1 (4,0)	3 (7,7)	
Incomplete graduation	66 (42,3)	19 (37,3)	13 (31,7)	0,30	14 (56,0)	20 (51,3)	0,79
Full graduation	46 (29,5)	18 (35,3)	10 (24,4)		6 (24,0)	12 (30,8)	
Postgraduated	39 (25,0)	14 (27,5)	17 (41,5)		4 (16,0)	4 (10,3)	
Professional category							
HCW	113 (72,4)	49 (96,1)	39 (95,1)	0,82	7 (28,0)	18 (46,2)	0,15
Non-HCW	43 (27,6)	2 (3,9)	2 (4,9)		18 (72,0)	21 (53,8)	
Economic class, n (%)							
A or B	47 (30,1)	11 (21,6)	9 (22,0)		16 (64,0)	11 (28,2)	
C	69 (44,2)	26 (51,0)	21 (51,2)	0,99	5 (20,0)	17 (43,6)	0,02
D or E	40 (25,6)	14 (27,5)	11 (26,8)		4 (16,0)	11 (28,2)	
Number of contacts with suspected COVID-19 patients, n (%)							
≤ 20 people	79 (50,6)	29 (56,9)	22 (53,7)		6 (24,0)	22 (56,4)	
21 to 80 people	50 (32,1)	15 (29,4)	15 (36,6)	0,70	11 (44,0)	9 (23,1)	0,04
> 80 people	27 (17,3)	7 (13,7)	4 (9,8)		8 (32,0)	8 (20,5)	
Current smoking, n (%)							
No	148 (94,9)	51 (100,0)	39 (95,1)	0,11	24 (96,0)	34 (87,2)	0,23
Yes	8 (5,1)	0 (0,0)	2 (4,9)		1 (4,0)	5 (12,8)	
Alcohol diction, n (%)							
No	138 (88,5)	48 (94,1)	39 (95,1)	0,83	20 (80,0)	31 (79,5)	0,96
Yes	18 (11,5)	3 (5,9)	2 (4,9)		5 (20,0)	8 (20,5)	
BCG vaccine scar, n (%)							
No	9 (5,8)	3 (5,9)	3 (7,3)	0,78	1 (4,0)	2 (5,1)	0,83
Yes	147 (94,2)	48 (94,1)	38 (92,7)		24 (96,0)	37 (94,9)	
Comorbidity profile[#]							
Comorbidity	24 (15,4)	10 (19,6)	7 (17,1)	0,76	2 (8,0)	5 (12,8)	0,54
Hypertension	19 (12,2)	7 (13,7)	5 (12,2)	0,82	2 (8,0)	5 (12,8)	0,54
Diabetes	2 (1,3)	2 (3,9)	0 (0,0)	0,20	0 (0,0)	0 (0,0)	na
Cardiac insufficiency	4 (2,6)	2 (3,9)	2 (4,9)	0,82	0 (0,0)	0 (0,0)	na

- BCG: control group; + BCG: revaccinated with BCG; HCW, health care workers
* Pearson's chi-squared tes; n = absolut frequency, % = relative frequency, n (%)
[#] Only prevalences presented

Table S2: Result of the comparison of absolute leukogram values at baseline and 15 days after the intervention, considering the -BCG and +BCG groups in the total sample, stratified by female and male sex.

	- BCG		Δ (-BCG)	+ BCG		Δ (+BCG)	p^a	p^b	p^*
	D1	D15	Mean - CI95%	D1	D15	Mean - CI95%			
Female (n=92)									
Leucocytes	5833,33 ± 1408,92	6090,20 ± 2080,70	256,86 (-208,20 - 721,92)	6395,12 ± 1684,93	6426,83 ± 1935,07	31,71 (-335,47 - 398,88)	0.27	0.86	0.50
Neutrophils	3206,02 ± 1084,35	3368,80 ± 1580,74	162,78 (-240,15 - 565,72)	3592,20 ± 1265,89	3726,90 ± 1530,33	134,71 (-260,58 - 529,99)	0.42	0.49	0.95
Eosinophils	126,73 ± 100,60	126,06 ± 83,45	-0,67 (-29,94 - 28,61)	133,17 ± 111,89	112,85 ± 76,40	-20,32 (-55,06 - 14,43)	0.96	0.24	0.69
Basophils	5,71 ± 17,85	6,31 ± 19,86	0,61 (-6,13 - 7,34)	6,20 ± 24,05	10,37 ± 30,16	4,17 (-2,88 - 11,22)	0.86	0.24	0.72
Limphocytes	2212,02 ± 551,48	2306,92 ± 676,77	94,90 (-66,47 - 256,28)	2359,00 ± 756,75	2263,34 ± 765,33	-95,66 (-254,57 - 63,25)	0.24	0.23	0.07
Monocytes	281,82 ± 103,79	280,65 ± 140,42	-1,18 (-45,81 - 43,45)	304,56 ± 159,76	309,56 ± 153,05	5,00 (-59,91 - 69,91)	0.96	0.88	0.85
Male (n=64)									
Leucocytes	6436,00 ± 1539,99	5876,00 ± 1349,78	-560,00 (-1197,36 - 77,36)	6174,36 ± 1798,64	6123,08 ± 1710,41	-51,28 (-411,48 - 308,91)	0.08	0.77	0.28
Neutrophils	3959,12 ± 1601,76	3566,24 ± 1235,52	-392,88 (-1151,24 - 365,48)	3363,95 ± 1371,09	3458,82 ± 1251,92	94,87 (-227,53 - 417,27)	0.30	0.55	0.54
Eosinophils	143,04 ± 137,37	142,24 ± 98,96	-0,80 (-50,34 - 48,74)	148,97 ± 133,17	125,79 ± 107,19	-23,18 (-66,32 - 19,96)	0.97	0.28	0.21
Basophils	26,68 ± 44,80	4,24 ± 14,69	-22,44 (-41,74 - -3,14)	20,87 ± 33,55	12,87 ± 28,75	-8,00 (-22,20 - 6,20)	0.02	0.26	0.20
Limphocytes	1958,84 ± 793,57	1797,96 ± 474,47	-160,88 (-461,65 - 139,89)	2294,26 ± 681,45	2168,95 ± 653,37	-125,31 (-364,63 - 114,01)	0.28	0.30	0.71
Monocytes	334,92 ± 160,29	360,44 ± 135,03	25,52 (-50,06 - 101,10)	340,15 ± 192,16	356,64 ± 226,77	16,49 (-62,40 - 95,38)	0.49	0.67	0.97

-BCG: control group; +BCG: revaccinated with BCG
Paired t-test: [a] -BCG; [b] +BCG; *Student's t test for comparison between groups
Descriptive statistics: Mean ± standard deviation or mean and 95% confidence interval

Table S3: Result of the comparison of absolute leukogram values at baseline and 15 days after the intervention, considering the -BCG and +BCG groups in the total sample, stratified for age under 50 years and age greater than or equal to 50 years.

	-BCG		Δ (-BCG)	+BCG		Δ (+BCG)	p^a	p^b	$p*$
	D1	D15	Mean – CI95%	D1	D15	Mean - CI95%			
< 50 years old (n = 120)									
Leucocytes	6035,71 ± 1350,34	6028,57 ± 2028,23	-7,14 (-466,72 - 452,43)	6337,50 ± 1843,61	6335,94 ± 1928,60	-1,56 (-297,91 - 294,78)	0.56	0.74	0.82
Neutrophils	3403,29 ± 1163,33	3478,05 ± 1628,49	74,77 (-356,23 - 505,77)	3557,92 ± 1346,57	3636,55 ± 1464,72	78,63 (-214,67 - 371,92)	0.93	0.85	0.88
Eosinophils	123,61 ± 100,11	130,80 ± 91,23	7,20 (-17,91 - 32,30)	154,69 ± 131,36	117,42 ± 70,60	-37,27 (-64,97 - -9,56)	0.75	0.04	0.11
Basophils	12,39 ± 24,46	6,32 ± 18,91	-6,07 (-14,53 - 2,38)	14,50 ± 31,17	13,61 ± 31,79	-0,89 (-9,96 - 8,18)	0.21	0.91	0.27
Limphocytes	2210,14 ± 611,02	2094,86 ± 696,10	-115,29 (-279,68 - 49,11)	2293,47 ± 731,20	2213,19 ± 740,96	-80,28 (-240,59 - 80,03)	0.16	0.38	0.60
Monocytes	281,36 ± 117,04	316,36 ± 151,32	35,00 (-11,67 - 81,67)	313,17 ± 174,91	352,73 ± 194,11	39,56 (-12,43 - 91,55)	0.42	0.27	0.80
≥ 50 years old (n = 36)									
Leucocytes	6020,00 ± 1806,01	5995,00 ± 1351,21	-25,00 (-730,20 - 680,20)	6087,50 ± 1225,77	6050,00 ± 1352,04	-37,50 (-523,89 - 448,89)	0.48	0.98	0.53
Neutrophils	3595,05 ± 1699,91	3309,70 ± 916,25	-285,35 (-1001,12 - 430,42)	3172,94 ± 1167,46	3434,88 ± 1125,18	261,94 (-235,41 - 759,28)	0.63	0.33	0.57
Eosinophils	155,85 ± 144,53	133,00 ± 82,67	-22,85 (-89,96 - 44,26)	85,63 ± 45,81	126,13 ± 154,60	40,50 (-35,56 - 116,56)	0.74	0.76	0.44
Basophils	13,20 ± 45,05	3,70 ± 16,55	-9,50 (-29,61 - 10,61)	8,75 ± 23,92	3,50 ± 14,00	-5,25 (-20,63 - 10,13)	0.65	0.29	0.67
Limphocytes	1900,80 ± 705,32	2264,50 ± 541,68	363,70 (96,51 - 630,89)	2463,31 ± 662,55	2233,88 ± 590,77	-229,44 (-525,63 - 66,76)	0.01	0.06	<0,01
Monocytes	349,50 ± 141,56	280,40 ± 115,11	-69,10 (-122,32 - -15,88)	356,88 ± 182,15	251,63 ± 169,49	-105,25 (-239,14 - 28,64)	0.02	0.06	0.44

-BCG: control group; +BCG: revaccinated with BCG
Paired t-test: [a] -BCG; [b] +BCG; *Student's t test for comparison between groups
Descriptive statistics: Mean ± standard deviation or mean and 95% confidence interval.