

Table 1. Descriptive of the main characteristics of participants who presented PCC (n = 53).

Variable	n	%
Sex		
Female	47	88.7
Male	6	11.3
Age, mean, (SD)	48.23	(9.16)
Educational level		
Elementary	3	5.7
Secondary	2	3.8
High school	18	3.8
University Degree	25	47.2
Specialist / Master	4	7.5
Doctorate	1	1.9
Nurse		
Medical Doctor	4	7.5
Nurse	12	22.6
Health Services	5	9.4
Health Assistants	3	5.7
Social Worker	1	1.9
Others	28	52.8
Vascular risk factors		
Hypertension	9	16.98
Cholesterol	11	20.75
Diabetes	1	1.89
Alcohol	21	40.38
Smoking	4	7.55
BMI^a		
Underweight	6	11.3
Normal weight	15	28.3
Overweight	19	35.8
Obesity class I	6	11.3
Obesity class II	6	11.3
Obesity class III	1	1.9
Clinical spectrum COVID-19^b		
Asymptomatic	1	1.90
Mild-Moderate	43	81.10
Hospitalization	9	17.0
ICU	0	0

BMI=Body Mass Index; ICU=Intensive care unit; ^aAccording to the WHO standards; ^bRefers to the first time of SARS-CoV-2 infection.

Table 2. PCC self-reported symptoms and months duration at the time of assessment (n = 53).

Symptoms	Total		Duration (months) ^a
	n	%	Mean (SD)
Non-cognitive neurological			
Migraine	27	50.9	21.72 (8.59)
Cephalalgia (n = 52)	22	41.5	21.91 (9.35)
Nonspecific polyneuropathy (n = 52)	7	13.2	25.57 (5.06)
Myopathy (n = 52)	7	13.2	22.14 (9.47)
Neuralgia and Neuritis (n = 52)	12	22.6	22.75 (7.96)
Cutaneous sensitivity (n = 51)	14	26.4	21.57 (7.83)
Cutaneous paresthesia (n = 51)	34	64.2	21.32 (8.98)
Hyperesthesia (n = 51)	11	20.8	21.45 (7.21)
Other sensitivities cutaneous (n = 51)	0	0	0 (0)
Nonspecific sensitivity cutaneous (n = 52)	1	1.9	6 (-)
Altered consciousness (n = 51)	2	3.8	2 (1.41)
Vertigo and dizziness (n = 52)	37	69.8	20.92 (9.88)
Nonspecific insomnia (n = 50)	40	75.5	23.4 (7.30)
Cognitive neurological			
Nonspecific disorientation (n = 52)	29	54.7	19.17 (10.09)
Retrograde amnesia (n = 51)	2	3.8	29 (2.83)
Other amnesia (n = 51)	4	7.5	10 (7.79)
Dyslexia and symbolic disturbances (n = 51)	8	15.1	18.5 (8.28)
Brain fog	45	84.9	22.47 (7.29)
Lack of concentration and memory	51	96.2	22.82 (7.37)
No neurological			
Cardiologic	30	56.6	
Digestive	38	71.7	
Hormonal	19	35.8	
Ocular (n = 52)	21	39.6	
ORL	31	58.5	
Pulmonary	30	56.6	
Rheumatic	37	69.8	
Urologic	11	20.8	
Skin (n = 48)	23	43.4	
MFIS, mean (SD)	61.66	(16.61)	

ORL= Otorhinolaryngology. MFIS = Modified Impact Fatigue Impact Scale.

Table 3. Percentage for each test according to -1.0 SD and -1.5 SD and Frascati Criteria. The mean and standard deviation for each test are expressed in z-scores (n = 53).

Test	Value			
	Cut-off -1SD n (%)	Cut-off -1.5SD n (%)	Frascati criteria n (%)	z-score mean (SD)
EXECUTIVE FUNCTION			31 (58.5)	-0.51 (0.45)
Working memory				
Digit span backward	2 (3.77)	2 (3.77)		-0.43 (0.64)
TMT-B – A (time)	3 (5.66)	1 (1.89)		0.16 (0.79)
Verbal fluency				
Phonetic verbal fluency (P)	21 (39.62)	17 (32.08)		-0.79 (1.04)
Phonetic verbal fluency (M)	11 (20.75)	7 (13.21)		-0.69 (0.76)
Phonetic verbal fluency (R)	10 (18.87)	6 (11.32)		-0.76 (0.78)
Semantic verbal fluency (animals)	26 (49.06)	22 (41.51)		-1.31 (0.75)
Inhibition				
Stroop words-colors (interference)	2 (3.77)	1 (1.89)		0.27 (0.70)
ATTENTION AND PROCESSING SPEED			29 (54.7)	-0.50 (0.64)
Attention				
Digit span forward (WAIS-III)	21 (39.62)	18 (33.96)		-0.82 (1.08)
Processing speed				
TMT-A (time)	21 (39.62)	15 (28.30)		-0.99 (0.99)
Symbol Digit Modality Test (WAIS-III)	2 (3.77)	1 (1.89)		0.06 (0.76)
Symbol Search (WAIS-III)	7 (13.21)	4 (7.55)		-0.25 (0.87)
MEMORY			21 (39.6)	-0.56 (0.80)
Verbal Memory				
RAVLT (total learning)	24 (45.28)	13 (24.53)		-0.82 (1.24)
RAVLT (delayed recall)	12 (22.64)	9 (16.98)		-0.42 (0.94)
Visual Memory				
ROCF (delayed recall, 30 minutes)	7 (13.21)	5 (9.43)		-0.44 (0.83)
VISUOSPATIAL AND VISUOCONSTRUCTIVE			1 (1.89)	0.03 (0.60)
ROCF (copy accuracy)	2 (3.77)	1 (1.89)		-0.13 (0.79)
LANGUAGE			0 (0)	0.76 (0.64)
BNT	1 (1.89)	0 (0%)		1.41 (0.94)
Vocabulary (WAIS-III)	1 (1.89)	0 (0%)		0.1 (0.58)

BNT = Boston Naming Test; RAVLT = Rey Auditory Verbal Learning Test; ROCF = Rey Osterrieth Complex Figure. WAIS-III = Wechsler Adults Intelligence Scale, third edition.

Volumetric and cortical thickness measures for both hemispheres taken into consideration in the FreeSurfer analysis across 53 participants.

Volumetric measures	Mean (SD)
Brain Segmentation volume	956118.64 (98928.61)
Cortex volume	317010.49 (33509.79)
Cerebral white matter volume	442498.31 (51757.51)
Total gray matter volume	465603.47 (45681.10)
Brain-stem	18868.73 (2311.40)
Left cerebellum cortex	49328.11 (5424.19)
Left thalamus	6021.30 (630.12)
Left caudate	2955.16 (425.87)
Left putamen	4474.78 (476.25)
Left pallidum	1797.39 (212.91)
Left hippocampus	3424.51 (347.62)
Left amygdala	1357.61 (199.80)
Right cerebellum cortex	49613.66 (5286.98)
Right thalamus	5995.82 (586.47)
Right caudate	3157.77 (459.80)
Right putamen	4591.13 (493.35)
Right pallidum	1708.99 (216.05)
Right hippocampus	3497.77 (380.20)
Right amygdala	1540.56 (237.72)
Cortical thickness measures (left and right)	Mean (SD)
Left Caudal anterior cingulate	2.20 (0.14)

Left Caudal middle frontal	2.02 (0.14)
Left Entorhinal	2.67 (0.21)
Left Inferior parietal	2.10 (0.14)
Left Inferior temporal	2.58 (0.13)
Left Lateral occipital	1.62 (0.08)
Left Lateral orbitofrontal	2.37 (0.11)
Left Medial orbitofrontal	2.28 (0.12)
Left Middle temporal	2.57 (0.12)
Left Parahippocampal	2.41 (0.22)
Left Postcentral	1.69 (0.10)
Left Precentral	1.96 (0.13)
Left Precuneus	2.08 (0.12)
Left Rostral anterior cingulate	2.40 (0.14)
Left Rostral middle frontal	1.97 (0.11)
Left Superior frontal	2.11 (0.12)
Left Superior parietal	1.75 (0.11)
Left Superior temporal	2.61 (0.12)
Left Frontal pole	1.77 (0.24)
Left Temporal pole	2.94 (0.20)
Left Insula	2.80 (0.15)
Right Caudal anterior cingulate	2.09 (0.12)
Right Caudal middle frontal	1.98 (0.13)
Right Entorhinal	2.69 (0.25)
Right Inferior parietal	2.03 (0.14)

Right Inferior temporal	2.53 (0.13)
Right Lateral occipital	1.69 (0.09)
Right Lateral orbitofrontal	2.35 (0.11)
Right Medial orbitofrontal	2.26 (0.10)
Right Middle temporal	2.58 (0.11)
Right Parahippocampal	2.38 (0.20)
Right Postcentral	1.63 (0.09)
Right Precentral	1.90 (0.13)
Right Precuneus	2.05 (0.12)
Right Rostral anterior cingulate	2.37 (0.17)
Right Rostral middle frontal	1.93 (0.11)
Right Superior frontal	2.08 (0.11)
Right Superior parietal	1.68 (0.10)
Right Superior temporal	2.58 (0.14)
Right Frontal pole	1.81 (0.22)
Right Temporal pole	2.95 (0.21)
Right Insula	2.72 (0.18)