1	Supplementary material: The effect of mat Pilates training combined with aerobic exercise versus
2	mat Pilates training alone on blood pressure in hypertensive women: A randomized controlled
3	trial
4	
5	Anthropometry, clinical blood pressure and heart rate, autonomic activity, quality of life, strength,
6	flexibility, and functional tasks, and cardiorespiratory fitness
7	The results of these outcome measures are presented in Table 4.
8	All tests were performed in 60 hypertensive women, following application of the inclusion
9	and exclusion criteria of the study. The tests were performed at baseline and follow up. Baseline
10	was assessed before the 16-week intervention and follow up assessed 48 hours after the last
11	intervention session. The evaluation consisted of three meetings that occurred on different visits
12	to the laboratory.
13	Anthropometry
14	Bodyweight (kg) was measured using a calibrated digital scale (Welmy, W300 model,
15	Brazil), height (m) using a stadiometer (Sanny®, Brazil), and the body mass index was calculated
16	as the weight (kg) divided by height squared (m ²). The waist and hip circumferences were
17	measured using an anthropometric tape (Sanny®, Brazil), at the average distance between the last
18	floating rib and the iliac crest and the largest perimeter of the gluteal region, respectively. The
19	waist-to-hip and waist-to-height ratio were calculated using the following formulas: waist (cm) /
20	hip (cm) and waist (cm) / height (cm), respectively.
21	Clinical blood pressure and heart rate
22	The clinical blood pressure (BP) evaluation was performed using an automatic arm BP
23	monitor (Microlife®, BPA100 model, Switzerland) and heart rate (HR) was monitored using an

24 HR monitor (Polar®, FT1 model, Finland). The participant remained seated on a chair with a

backrest, feet resting on a flat surface. The arm band was positioned on the dominant upper limb,
2 to 3 cm above the cubital fossa, with the compressive part in the direction of the brachial artery,
at the heart level, resting on a firm surface. Systolic blood pressure (SBP), diastolic blood pressure
(DBP), mean blood pressure (MBP) (mmHg), and double product (DP) were measured three times
with an interval of 1 minute between measurements after the participant had remained at rest for
10 minutes. HR was monitored during rest, together with the clinical measurement of BP. The DP
variable was estimated by multiplying SBP by HR (bpm X mmHg).

32 Autonomic activity

To assess the R-R intervals (iR-R), an HR monitor (Polar®, RS800cx model, Finland) was 33 applied. The iR-R were recorded in sequence during 30 minutes in the supine position (Pre-34 35 postural adjustment period), 10 minutes in the orthostatic position (Postural adjustment period), and 30 minutes in the supine position (Post-postural adjustment period). The analysis of Heart 36 Rate Variability (HRV) was performed by linear methods, analyzed in the time and frequency 37 38 domains and by nonlinear methods. Data corresponding to a 5-minute window were recorded and downloaded for analysis using specific software (Polar Precision Performance, Polar). HRV 39 indices were analyzed using Kubios HRV software (Biomedical Signal Analysis Group, 40 Department of Applied Physics, Finland),¹ considering the last 5 minutes of recording extracted 41 from each period analyzed. In the time domain, the following indices were obtained: mean iR-R 42 (R-Rmean), squared root of the mean squared differences of successive iR-R (rMSSD), and 43 standard deviation (SD) of normal iR-R (SDNN) expressed in milliseconds (ms). In the frequency 44 domain, bands corresponding to low-frequency spectral components and high-frequency spectral 45 46 components were analyzed in normalized units (LFn.u. and HFn.u., respectively). For the analysis of HRV by nonlinear methods, the SD of instantaneous iR-R (SD1) and the continuous long-term
iR-R variability (SD2) were used, expressed in ms.

49 Quality of life

For the analysis of quality of life (QOL), the World Health Organization Quality of 50 Life/Bref (WHOQOL-bref) questionnaire was used, which allows the participant to self-assess, 51 based on their perceptions. The WHOQOL-bref contains 26 questions that involve different 52 aspects of everyday life and address four domains of QOL: physical, psychological, 53 environmental, and social relations. For each aspect, the participant can present their answer 54 through scores ranging from one to five, with one representing the worst condition and five the 55 best condition. The average score in each domain indicates the participant's perception of their 56 satisfaction in each aspect of their life, relating to their QOL.² 57

58 Strength, flexibility, and functional tasks

Flexibility of the lower back and hamstring muscles was measured by the sit and reach test 59 60 (Sanny®, Brazil). The movement was performed three times with an interval of one minute between attempts, and the highest value (cm) reached was considered for analysis.³ Handgrip 61 62 strength, expressed in kilograms-force, was measured using a hand dynamometer (Jamar®, United 63 Kingdom). The participant remained seated in a chair, with the spine erect, hips and knees at 90°, 64 shoulder in an adducted position near the trunk, and elbow at 90°. The participant was instructed to perform the maximum isometric contraction movement of the flexor muscles of the fingers in 65 both hands. The movement was performed three times with an interval of one minute between 66 67 attempts, and the highest value reached was considered for the analysis. The tests of velocity to move from a sitting to standing position (VST), from a supine to standing position (VSP), and to 68 put on sneakers and tie the laces (VPS) were performed according to the protocol established by 69

Raso.⁴ The time spent, in seconds, was measured using a stopwatch. Three attempts of the VST
and VSP tests were performed, with an interval of one minute between them and the lowest value
was considered for the analysis. The VPS test was performed only once.⁴

73 Cardiorespiratory fitness

The cardiorespiratory exercise test was performed on a treadmill (Inbramed, Super ATL 74 model, Brazil) with gas analysis (MGC Diagnostics[®], Vo2000[™] model, United States) and 75 electrocardiographic analysis (Micromed, Wincardio model, Brazil) using Ergo PC Elite software, 76 in order to identify the first ventilatory threshold (VT1), second ventilatory threshold (VT2), and 77 cardiorespiratory fitness. The test was composed of increasing loads, with speeds from 3.0 km/h 78 to 6.0 km/h and inclinations of 4% to 14%, without pauses between stages, until the participant's 79 exhaustion.⁵ The initial procedures consisted of clinical and electrocardiographic assessments at 80 rest. During the exam, minute ventilation, oxygen uptake, and carbon dioxide output were acquired 81 breath-by-breath and averaged over 10-second intervals. Subjective perceived effort and BP were 82 83 measured continuously every 3 minutes. Before starting the test, the participants were instructed to stop the effort when reaching maximum exhaustion. The following criteria were adopted as the 84 85 maximum test: HR above 85% of the maximum predicted HR and respiratory exchange ratio > 1.10.⁶ The test was also interrupted if the participant manifested electrocardiographic 86 abnormalities or abnormal BP response at the discretin of the cardiologist responsible for the 87 88 examination.

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Table 4. Mean (SD) at baseline and follow-up, within-group change (95% CI) as raw and standardized values, and between-group difference (95% CI) as raw

94 and standardized values for secondary outcomes.

							Within-group di	fference (Follow up	o minus Baseline)	Between-	group difference at	follow up
	CG (CG (n=20) MP (n=20)			MP+A	MP+AE (n=20)		MP (n=20)	(n=20) MP+AE (n=20)	CG vs MP	MP vs MP+AE	CG vs MP+AE
	BaselineMean	Follow upMean	BaselineMean	Follow upMean	BaselineMean	Follow upMean	Meandifference	Meandifference	Meandifference	Meandifference	Meandifference	Meandifference
	(SD)	(SD)	(SD)	(SD)	(SD)	(SD)	(95% CI)	(95% CI)				
SecondaryOutcor	nes											
Anthropometric a	lata											
Bodymass (kg)	79.9 (16.7)	78.7 (12.6)	78.1 (20.3)	75.8 (17.1)	74.3 (16.6)	70.3 (12.7)	-1.2 (-5.9 to 3.5)	-2.3 (-7.9 to 3.2)	-4 (-9.6 to 1.4)	2.9 (-10.5 to 16.4)	5.5 (-5.6 to 16.7)	8.4 (-3.4 to 20.3)
Height (cm)	158.6 (7.3)	158.4 (7.2)	160.9 (4.7)	161.1 (4.9)	157.4 (6.4)	157.9 (6.1)	-0.2 (-0.5 to 0.9)	0.2 (-0.3 to 0.7)	0.5 (0.0 to 0.8)	-2.7 (-7.6 to 2.2)	3.2 (-1.4 to 7.8)	0.5 (-4.9 to 5.9)
BMI (kg/m ²)	31.6 (5.7)	31.2 (3.8)	30.0 (7.3)	29.1 (5.9)	29.9 (5.6)	28.2 (5.0)	-0.4 (-2.2 to 1.5)	-0.9 (-3.1 to 1.2)	-1.7 (-3.5 to 0.2)	2.1 (-2.4 to 6.8)	0.8 (-3.1 to 4.8)	3.0 (-1.3 to 7.4)
WC (cm)	97.1 (7.0)	94.2 (8.1)	90.3 (12.2)	90.5 (11.9)	93.4 (12.8)	90.5 (11.2)	-2.9 (-4.9 to -0.7)	0.2 (-2.5 to 2.9)	-2.9 (-4.8 to -0.8)	3.7 (-5.3 to 12.7)	0 (-8.3 to 8.2)	3.6 (-5.5 to 12.8)
HC (cm)	111.0 (11.3)	110.7 (10.9)	109.6 (15.3)	108.3 (16.6)	103.9 (13.7)	105.3 (13.2)	-0.3 (-2.0 to 1.6)	-1.3 (-3.9 to 1.3)	1.4 (-0.9 to 3.7)	2.4 (-7.2 to 12.0)	3.0 (-9.8 to 15.9)	5.4 (-5.9 to 16.8)
Waist-to-hip	0.88 (0.07)	0.85 (0.08)	0.82 (0.07)	0.83 (0.07)	0.90 (0.07)	0.86 (0.07)	-0.03 (-0.04 to -	0.01 (-0.01 to	-0.04 (-0.06 to -	0.02 (-0.04 to	-0.03 (-0.08 to	-0.01 (-0.07 to
ratio (cm)							0.001)	0.03)	0.01)	0.07)	0.03)	0.05)
Waist-to-height	0.61 (0.05)	0.59 (0.05)	0.56 (0.07)	0.56 (0.07)	0.59 (0.07)	0.57 (0.06)	-0.02 (-0.03 to -	0 (-0.01 to 0.01)	-0.02 (-0.03 to -	0.03 (-0.02 to	-0.01 (-0.06 to	0.02 (-0.02 to
ratio(cm)							0.004)		0.008)	0.09)	0.03)	0.07)

Clinical blood pre	essure and heart ra	te										
SBP (mmHg)	118.5 (7.4)	118.4 (8.7)	117.7 (8.4)	115.6 (9.1)	122.2 (10.5)	114.7 (10.6)	-0.1 (-3.6 to 3.4)	-2.1 (-7.9 to 3.7)	-7.5 (-13.7 to -1)	2.8 (-5.7 to 11.3)	0.8 (-6.8 to 8.4)	3.6 (-3 to 10.2)
DBP (mmHg)	76.3 (10.5)	78.5 (9.2)	76.4 (6.9)	76.1 (7.7)	76.9 (9.1)	76.3 (7.4)	2.2 (-2.6 to 7)	-0.3 (-5.1 to 4.4)	-0.6 (-4.7 to 3.6)	2.4 (-5 to 9.8)	-0.2 (-7.1 to 6.6)	2.1 (-5.9 to 10.2)
MBP (mmHg)	90.4 (7.6)	90.3 (7.0)	90.2 (6.6)	89.5 (5.4)	92.0 (8.4)	89.5 (7.8)	-0.1 (-1.2 to 1.1)	-0.7 (-2.6 to 1.2)	-2.5 (-4.5 to -0.3)	0.8 (-4.7 to 6.4)	0 (-6.0 to 5.8)	0.8 (-4.8 to 6.4)
HR (bpm)	70.9 (8.1)	70.6 (6.5)	71.2 (12.6)	67.1 (12.3)	68.7 (8.6)	67.1 (7.6)	-0.3 (-3.8 to 3.3)	-4.1 (-8.7 to 0.5)	-1.6 (-4.4 to 1.3)	3.5 (-5.1 to 12.2)	-0 (-8.7 to 8.6)	3.5 (-1.2 to 8.2)
DP (bpm X	8386.5 (893.1)	8358.6 (892.3)	8356.6 (1353.9)	7794.1 (1722.2)	8403.2 (1353.0)	7700.3 (1059.0)	-27.9 (-528.7 to	-562.5 (-1274.5 to	-702.9 (-1368.1 to	564.5 (-645.9 to	93.7 (-1149.1 to	658.3 (-57.4 to
mmHg)							472.8)	149.5)	-37.6)	1774.9)	1336.7)	1374)
Data of heart rate	e variability indices	1										
Pre-postural adju	stment											
R-R interval	856.4 (100.8)	856.4 (83.5)	861.8 (122.3)	919.3 (156.1)	885.4 (106.8)	909.6 (111.4)	0 (-42.8 to 42.8)	57.5 (0.6 to 114.3)	24.2 (-16 to 64.4)	-62.9 (-172.6 to	9.7 (-108.4 to	-53.2 (-115.8 to
(ms)										46.7)	127.8)	9.3)
SDNN (ms)	25.5 (11.4)	23.6 (10.0)	25.5 (14.9)	34.8 (22.7)	24.9 (9.4)	26.8 (11.2)	-1.9 (-7.0 to 3.0)	9.3 (2.3 to 16.3)	1.9 (-1.8 to 5.6)	-11.2 (-25.8 to 3.3)	8.0 (-6.6 to 22.7)	-3.2 (-11.0 to 4.5)
rMSSD (ms)	25.0 (13.3)	23.5 (10.2)	24.3 (14.7)	37.4 (25.1)	25.0 (10.0)	28.4 (13.7)	-1.5 (-6.8 to 3.8)	13.1 (2.9 to 23.3)	3.4 (-1.1 to 7.9)	-13.9 (-30.4 to 2.5)	9.0 (-9.2 to 27.3)	-4.8 (-13.2 to 3.4)
LF (n.u.)	52.3 (21.9)	47.2 (18.5)	53.4 (24.7)	46.0 (18.4)	54.1 (22.1)	47.1 (19.2)	-5.1 (-14.0 to 3.8)	-7.4 (-19.1 to 4.3)	-7 (-17.3 to 3.4)	1.1 (-15.0 to 17.4)	-1.1 (-15.5 to 13.3)	0.1 (-16.3 to 16.4)
HF (n.u.)	47.6 (21.9)	52.6 (18.6)	46.6 (24.5)	53.8 (18.4)	45.8 (22.0)	52.7 (19.2)	5 (-3.9 to 14.0)	7.2 (-4.3 to 18.9)	6.9 (-3.4 to 17.3)	-1.2 (-17.5 to 15.0)	1.1 (-13.2 to 15.6)	-0.1 (-16.4 to 16.2)
SD1 (ms)	17.7 (9.4)	16.6 (7.2)	17.2 (10.4)	26.5 (17.8)	17.8 (7.0)	20.1 (9.7)	-1.1 (-4.8 to 2.6)	9.3 (2.0 to 16.5)	2.3 (-0.9 to 5.5)	-9.8 (-21.5 to 1.8)	6.4 (-6.5 to 19.3)	-3.4 (-9.3 to 2.4)
SD2 (ms)	31.1 (14.0)	28.6 (12.8)	30.8 (18.6)	41.0 (27.4)	30.0 (12.2)	31.6 (13.7)	-2.5 (-8.9 to 3.8)	10.2 (2.2 to 18.2)	1.6 (-3.2 to 6.3)	-12.4 (-29.8 to 4.9)	9.4 (-7.8 to 26.7)	-3.0 (-13.1 to 7.0)

Postural adjustm	nent											
R-R interval	736.9 (109.0)	721.8 (77.2)	754.9 (98.6)	792.9 (110.8)	819.8 (111.7)	805.7 (115.5)	-15.1 (-65.6 to	38 (-6.4 to 82.4)	-14.1 (-66.2 to	-71(-159.2 to 17.2)	-12.8 (-125.1 to	-83.8 (-149.1 to
(ms)							35.6)		38.1)		99.5)	18.5)
SDNN (ms)	18.7 (7.9)	19.3 (6.0)	22.5 (12.8)	27.6 (12.3)	22.1 (8.4)	25.3 (10.7)	0.6 (-3.2 to 4.4)	5.1 (-0.3 to 10.3)	3.2 (-0.1 to 6.7)	-8.2 (-17.0 to 0.5)	2.2 (-7.2 to 11.6)	-6.0 (-11.8 to -0
rMSSD (ms)	13.3 (8.2)	12.5 (4.4)	17.9 (11.3)	21.6 (12.3)	20.2 (10.0)	20.2 (11.3)	-0.8 (-4.4 to 3.0)	3.7 (-1.4 to 8.7)	0 (-3.5 to 3.5)	-9.0 (-17.2 to -0.7)	1.3 (-8.7 to 11.5)	-7.6 (-13.1 to -2
LF (n.u.)	71.9 (18.9)	75.2 (11.6)	68.5 (18.8)	72.4 (15.1)	61.0 (19.6)	69.5 (20.2)	3.3 (-5.5 to 12.1)	3.9 (-5.3 to 13.1)	8.5 (0.06 to 16.8)	2.7 (-9.0 to 14.6)	2.9 (-9.6 to 15.5)	5.6 (-7.8 to 19.
HF (n.u.)	28.0 (18.9)	24.7 (11.5)	31.3 (18.8)	27.5 (15.1)	38.8 (19.6)	30.4 (20.2)	-3.3 (-12.1 to 5.4)	-3.8 (-13.1 to 5.3)	-8.4 (-16.7 to -	-2.8 (-14.6 to 9.0)	-2.9 (-15.4 to 9.6)	-5.7 (-19.1 to 7
									0.05)			
SD1 (ms)	9.4 (5.8)	8.9 (3.1)	12.7 (8.0)	15.3 (8.7)	14.3 (7.0)	14.3 (8.0)	-0.5 (-3.1 to 2.1)	2.6 (-1.0 to 6.1)	0 (-2.5 to 2.5)	-6.4 (-12.2 to -0.5)	0.9 (-6.2 to 8.1)	-5.4 (-9.3 to -1.
SD2 (ms)	24.5 (10.4)	25.7 (8.2)	28.8 (17.0)	35.6 (15.9)	27.4 (10.4)	32.4 (13.9)	1.2 (-3.6 to 6.2)	6.8 (-0.05 to 13.6)	5 (0.4 to 9.6)	-9.8 (-21.3 to 1.6)	3.1 (-8.7 to 15.0	-6.6 (-14.6 to 1
Post-postural ad	justment											
R-R interval	888.1 (95.1)	889.2 (108.8)	900.7 (120.6)	943.6 (142.7)	908.9 (96.9)	944.7 (111.7)	1.1 (-43.2 to 45.4)	42.9 (-19.9 to	35.8 (-10.0 to	-54.4 (-173.3 to -	·1(-123.4 to 121.2)	-55.4 (-121.5
(ms)								105.8)	81.6)	64.4)		10.5)
SDNN (ms)	28.6 (7.7)	27.3 (11.4)	28.4 (12.1)	38.1 (20.4)	28.8 (11.7)	28.4 (10.7)	-1.3 (-6.6 to 4.1)	9.7 (4.0 to 15.3)	-0.4 (-3.7 to 3.0)	-10.7 (-24.3 to 2.7)	9.6 (-2.8 to 22.1)	-1.1 (-9.7 to 7.
MSSD (ms)	26.0 (10.6)	25.9 (14.3)	29.1 (14.5)	39.8 (23.5)	27.8 (11.7)	30.1 (15.6)	-0.1 (-5.4 to 5.3)	10.7 (3.2 to 18.0)	2.3 (-1.9 to 6.4)	-13.8 (-31.0 to 3.3)	9.6 (-8.1 to 27.4)	-4.2 (-15.0 to 6
LF (n.u.)	56.9 (18.2)	55.8 (17.5)	54.9 (17.6)	49.6 (20.2)	56.3 (16.2)	54.0 (16.4)	-1.1 (-10.6 to 8.4)	-5.3 (-17.0 to 6.4)	-2.3 (-10.7 to 6.0)	6.1 (-9.8 to 22.1) -	4.3 (-21.9 to 13.1)	1.7 (-12.2 to 15
HF (n.u.)	41.6 (18.7)	44.1 (17.5)	44.9 (17.6)	50.0 (20.4)	43.5 (16.2)	45.8 (16.3)	2.5 (-7.4 to 12.4)	5.1 (-6.6 to 16.9)	2.3 (-6.0 to 10.7)	-5.9 (-22.0 to 10.1)	4.1 (-13.4 to 21.8)	-1.7 (-15.7 to 12

SD1 (ms)	19.0 (6.9)	19.0 (9.8)	20.2 (9.5)	28.5 (17.2)	19.7 (8.3)	21.4 (11.0)	0 (-3.7 to 3.8)	8.3 (2.2 to 14.3)	1.7 (-1.3 to 4.6)	-9.5 (-21.2 to 2.2)	7.1 (-5.6 to 19.9)	-2.3 (-10.0 to 5.3)
SD2 (ms)	35.7 (9.3)	33.6 (13.8)	37.1 (20.7)	44.9 (24.7)	35.3 (15.3)	33.6 (11.6)	-2.1 (-9.1 to 4.8)	7.8 (0.5 to 15.1)	-1.7 (-6.0 to 2.7)	-11.3 (-27.2 to 4.5)	11.2 (-2.6 to 25.1)	0 (-10.0 to 9.9)
Data of quality of	life scores											
Physical	12.2 (2.9)	12.3 (2.2)	12.8 (1.9)	14 (2.7)	12.3 (1.5)	14.2 (2.4)	0.1 (-0.9 to 1.1)	1.2 (-0.0 to 2.4)	1.9 (0.7 to 3.0)	-1.6 (-3.7 to 0.4)	-0.2 (-2.4 to 1.9)	-1.8 (-3.7 to 0.0)
Psychological	13.4 (2.7)	13.6 (2.0)	13.3 (2.6)	14.6 (2.2)	12.3 (1.7)	14.2 (1.9)	0.2 (-0.5 to 0.9)	1.3 (0.4 to 2.2)	1.9 (1.2 to 2.5)	-1 (-2.6 to 0.5)	0.3 (-1.4 to 2.1)	-0.6 (-2.1 to 0.8)
Social	13.2 (3.2)	13.1 (2.7)	13.5 (2.8)	14.7 (2.0)	13.4 (2.2)	14.3 (1.7)	-0.1 (-1.1 to 1.0)	1.2 (-0.1 to 2.5)	0.9 (0.1 to 1.7)	-1.6 (-3.6 to 0.4)	0.4 (-1.3 to 2.1)	-1.2 (-2.9 to 0.5)
relationships												
Environment	12.4 (2.1)	12.3 (2.0)	11.6 (2.4)	12.4 (2.3)	11.1 (2.2)	12.3 (2.1)	-0.1 (-0.7 to 0.6)	0.8 (-0.0 to 1.7)	1.2 (0.7 to 1.7)	-0.1 (-1.3 to 1.1)	0.1 (-1.7 to 2.0)	0 (-1.9 to 2.0)
Overall QOL	12.5 (3.4)	12.4 (2.3)	12 (2.1)	13.1 (2.5)	12.1 (2.3)	14.2 (2.5)	-0.1 (-1.6 to 1.4)	1.1 (-0.0 to 2.2)	2.1 (1.0 to 3.1)	-0.7 (-2.9 to 1.5)	-1.1 (-3.2 to 1.0)	-1.8 (-3.9 to 0.3)
Strength, flexibilit	y, and functional i	tasks										
Flexibility (cm)	226.8 (82.3)	219.8 (82.8)	229.9 (75.5)	263.9 (66.1)	227.4 (103.4)	293.7 (51.3)	-7 (-20.4 to 6.2)	34 (11.2 to 56.8)	66.3 (22.2 to	-44.1 (-99.1 to	-29.8 (-73.7 to	-73.9 (-135.3 to -
									110.4)	10.8)	14.1)	12.5)
Righthandstrengt	28.6 (8.7)	27.7 (7.9)	29.1 (6.1)	29.7 (4.7)	27.5 (9.1)	27.7 (7.3)	-0.9 (-2.5 to 0.9)	0.6 (-1.6 to 2.8)	0.2 (-1.5 to 2)	-1.9 (-8 to 4.2)	1.9 (-3.6 to 7.5)	0 (-6.7 to 6.8)
h (kgf)												
Lefthandstrength	27 (7.5)	26.7 (6.7)	26.5 (5.2)	28.6 (5.1)	26.7 (9.3)	28.5 (7.3)	-0.3 (-1.7, 1.3)	2.1 (0 to 4)	1.8 (-0.2 to 3.7)	-1.8 (-7.3 to 3.7)	0.1 (-5 to 5.1)	-1.7 (-8.3 to 4.8)
(kgf)												
VST (ss)	3.9 (1.2)	4.1 (1.9)	3.6 (1.0)	3.4 (1.0)	4.2 (1.3)	4.0 (2.6)	0.2 (-0.4 to 0.7)	-0.2 (-0.5 to 0.2)	-0.2 (-1 to 0.5)	0.6 (-0.7 to 2)	-0.6 (-2 to 0.9)	0.1 (-2 to 2.2)
VSP (ss)	4.8 (1.3)	5.3 (1.8)	4.3 (1.2)	4.3 (1.2)	5.5 (2.9)	5.5 (3.7)	0.5 (-0.2 to 1.3)	0 (-0.3 to 0.3)	0 (-1 to 0.9)	1 (-0.4 to 2.4)	-1.2 (-3.2 to 0.9)	-0.2 (-2.8 to 2.5)

VPS (ss)	29.1 (5.2)	30.9 (8.1)	28.2 (6.6)	28.8 (5.6)	31.2 (7.1)	29.3 (7.2)	1.8 (-2.1 to 5.9)	0.6 (-2.6 to 3.9)	-1.9 (-5 to 1.1)	2.1 (-3.9 to 8.2)	-0.4 (-4.4 to 3.5)	1.6 (-5.1 to 8.4)
Data of cardioresp	piratory fitness pa	rameters										
Test time at VT1	296.3 (109.1)	301.4 (95.9)	254.3 (81.9)	332.5 (110.3)	302.5 (139.7)	418.9 (135.4)	5.1 (-44.8 to 55.1)	78.2 (10.8 to	116.3 (59.8 to	-31.1 (-106.7 to	-86.3 (-190.3 to	-117.4 (-230 to -
(ss)								145.6)	172.9)	44.5)	17.6)	4.9)
Test stage at VT1 (km/h)	4.4 (0.4)	4.4 (0.4)	4.2 (0.4)	4.5 (0.5)	4.4 (0.6)	4.9 (0.5)	-0.02 (-0.2 to 0.2)	0.3 (0.02 to 0.7)	0.5 (0.2 to 0.8)	-0.1 (-0.5 to 0.2)	-0.3 (-0.8 to 0.08)	-0.5 (-1.0 to -0.03)
HR at VT1 (bpm)	131.1 (13.9)	121.2 (12.0)	128.1 (21.2)	128.5 (17.1)	128.6 (16.2)	126 (13.9)	-9.9 (-17.6 to -2.0)	0.4 (-9.1 to 10.0)	-2.6 (-8.3 to 3.2)	-7.2 (-20.8 to 6.2)	2.4 (-11.4 to 16.4)	-4.8 (-12.9 to 3.3)
Absolute power at VT1 (W)	144.9 (39.1)	143.1 (34.7)	124.2 (35.9)	154.6 (57.4)	133.7 (48.0)	164.9 (35.9)	-1.8 (-18.8 to 15.2)	30.3 (4.4 to 56.2)	31.3 (11.9 to 50.4)	-11.4 (-46.8 to 23.8)	-10.2 (-43.9 to 23.4)	-21.7 (-51 to 7.4)
Relative power at VT1 (W/kg)	1.8 (0.5)	1.8 (0.4)	1.6 (0.3)	2.0 (0.6)	1.9 (0.7)	2.4 (0.6)	0.001 (-0.2 to 0.2)	0.3 (0.01 to 0.7)	0.5 (0.2 to 0.8)	-0.1 (-0.5 to 0.2)	-0.4 (-0.9 to 0.1)	-0.5 (-1.1 to -0.03)
Absolute VO ₂ at VT1 (l/min)	1.3 (0.2)	1.1 (0.2)	1.1 (0.2)	1.1 (0.2)	1.2 (0.2)	1.1 (0.2)	-0.1 (-0.2 to -0.07)	0.03 (-0.08 to 0.1)	-0.07 (-0.1 to - 0.03)	-0.01 (-0.2 to 0.1)	0.01(-0.1 to 0.1)	-0.003 (-0.1 to 0.1)
Relative VO ₂ at VT1 (ml/kg.min)	16.6 (2.3)	14.4 (2.3)	14.8 (2.9)	15.0 (2.9)	17.1 (3.8)	16.4 (3.1)	-2.1 (-3.3 to -1.0)	0.2 (-1.5 to 2.0)	-0.6 (-2.2 to 1.0)	-0.6 (-2.8 to 1.6)	-1.3 (-3.7 to 0.9)	-2.0 (-4.3 to 0.3)
Test time at VT2 (ss)	431.4 (116.1)	431.6 (115.9)	406.7 (100.2)	449.8 (118.7)	429.8 (130.3)	529.4 (154.9)	0.2 (-46.7 to 47.2)	43.0 (-0.6 to 86.7)	99.6 (50.2 to 148.9)	-18.1 (-124.3 to 88)	-79.5 (-212.5 to 53.3)	-97.7 (-226.5 to 31)

Test stage at	5.1 (0.5)	5.0 (0.5)	5.0 (0.4)	5.1 (0.6)	5.1 (0.6)	5.5 (0.6)	-0.04 (-0.2 to 0.1) 0.1 (-0.05 to 0.3) 0.3 (0.1 to 0.6) -0.07 (-0.6 to 0.4) -0.3 (-0.9 to 0.2) -0.4 (-1.0 to 0.1)
VT2 (km/h)							
HR at VT2 (bpm)	147.3 (14.8)	137.3 (14.2)	137.3 (23.0)	139.1 (17.2)	138 (16.7)	139.2 (12.5)	-10 (-17.5 to -2.4) 1.8 (-5.9 to 9.6) 1.2 (-5.1 to 7.5) -1.7 (-11.8 to 8.2) -0.1 (-13.3 to 13.2) -1.8 (-12.6 to 8.9)
Absolute power at VT2 (W)	199.1 (32.9)	197.5 (38.6)	185.7 (57.9)	203.3 (68.6)	180.8 (46.9)	210.1 (45.7)	-1.5 (-19.4 to 16.3) 17.5 (-4 to 39.2) 29.2 (13.1 to 45.4)-5.7 (-49.8 to 38.2)-6.7(-51.4 to 37.9) -12.5 (-47 to 21.9)
Relative power at VT2 (W/kg)	2.5 (0.5)	2.5 (0.6)	2.4 (0.5)	2.6 (0.7)	2.5 (0.7)	3.0 (0.8)	-0.03 (-0,3 to 0.2) 0.2 (-0.05 to 0.4) 0.4 (0.2 to 0.7) -0.09 (-0.7 to 0.5) -0.4 (-1.2 to 0.3) -0.5 (-1.2 to 0.1)
Absolute VO ₂ at VT2 (l/min)	1.5 (0.2)	1.3 (0.2)	1.3 (0.3)	1.3 (0.2)	1.3 (0.2)	1.3 (0.2)	-0.1 (-0.2 to -0.05)-0.03 (-0.1 to 0.07)-0.03 (-0.1 to 0.04) 0.001 (-0.2 to 0.2) 0.04 (-0.1 to 0.2) 0.04 (-0.1 to 0.1)
Relative VO ₂ at VT2 (ml/kg.min)	19.5 (3.7)	17.2 (3.1)	18.3 (3.2)	17.7 (3.0)	19.2 (3.5)	19.0 (3.8)	-2.3 (-3.8 to -0.7) -0.5 (-2.3 to 1.1) -0.2 (-1.3 to 0.9) -0.5 (-3.3 to 2.2) -1.2 (-4.1 to 1.6) -1.7 (-4.8 to 1.2)

Footnote: SD: standard deviation; CI: Confidence Interval; CG: Control Group; MP: Mat Pilates Group; MP+AE: Mat Pilates Supplemented with Aerobic Exercise Group; BMI: body mass index; WC: Waist circumference; HC: Hip circumference; SBP: systolic blood pressure; DBP: diastolic blood pressure; MBP: mean blood pressure; HR: heart rate; DP: double product; R-R interval: the average of all normal R-R intervals; SDNN: standard deviation of R-R intervals; rMSSD: the squared root of the mean squared differences of successive R-R intervals; LF: low-frequency band; HF: high-frequency band; SD1: variance of R-R intervals in a short time scale; SD2: variance of R-R intervals in a long time scale; Overall QOL: Overall quality of life; VST: velocity of moving from sitting to standing position test; VSP: velocity of moving from supine to standing position; VPS: velocity to put on sneakers and tie the laces; SS: seconds; VT1: first ventilatory threshold; VT2: second ventilatory threshold.

Mean (standard deviation).

Mean difference (Confidence Interval).

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