Additional file 4 – Median values of fitness tests at each point time and change to intervention start (D1, D2).

			ТО	T1	T2	D1 (T1– baseline)	D2 (T2– baseline)
Side jumps (n/30 sec)	PM	median	71.5	81.5	84.0	12.0**	14.0*
		(range)	(51 to 84)	(63 to 99)	(64 to 101)	(2 to 27)	(2 to 24)
	CON	median	69.0	80.0	79.0	9.0*	11.0*
		(range)	(62 to 82)	(67 to 103)	(70 to 114)	(4 to 23)	(3 to 32)
		p-value <sup>a</sup>	0.79	0.58	0.61	0.4	0.41
		(group differences)					
Tap Test	PM	median	12.4	10.6	10.9	-1.6**	-2.7*
(sec/25 cycles)		(range)	(10 to 21)	(8 to 17)	(7 to 16)	(-3 to 1)	(-5 to -0)
	CON	median	11.7	11.3	10.8	-1.4*	-1.3*
		(range)	(10 to 16)	(9 to 14)	(8 to 15)	(-3 to 1)	(-2 to 0)
		p-value <sup>a</sup>	0.49	0.88	0.93	0.24	0.055
		(group					
		differences)					
6-minute-	PM	median	0.75	0.79	0.81	0.03	0.05
run (km)		(range)	(0.5 to 1.0)	(0.6 to 0.9)	(0.6 to 0.9)	(-0.1 to 0.2)	(-0.1 to 0.2)
	CON	median	0.79	0.83	0.83	0.05*	0.12
		(range)	(0.7 to 0.9)	(0.7 to 1.1)	(0.7 to 1.1)	(-0.0 to 0.3)	(-0.1 to 0.2)
		p-value <sup>a</sup>	0.2	0.14	0.21	0.4	0.28
		(group					
		differences)					
Balance (failures per min)	PM	median	2.0	0.0	0.0	0.0	0.0
		(range)	(0 to 10)	(0 to 10)	(0 to 7)	(-4 to 7)	(-4 to 2)
	CON	median	0.0	0.0	0.0	0.0	0.0
		(range)	(0 to 3)	(0 to 2)	(0 to 1)	(-3 to 2)	(0 to 0)
		p-value <sup>a</sup>	0.13	0.15	0.89	0.98	0.19
		(group					
		differences)					

Jump	PM	median	121.0	131.0	137.0	7.5*	11.0
distance		(range)	(100 to 171)	(97 to 189)	(103 to 182)	(-20 to 25)	(-21 to 29)
(cm)	CON	median	127.0	142.0	145.0	10.5*	18.0
<b>`</b> ,		(range)	(106 to 172)	(108 to 177)	(100 to 196)	(-19 to 35)	(-27 to 56)
		p-value <sup>a</sup>	0.35	0.24	0.11	0.67	0.12
		(group					
		differences)					
Sit-ups	PM	median	18.0	20.5	20.0	1.0*	4.5*
(n/40 s)		(range)	(2 to 26)	(3 to 28)	(12 to 30)	(-7 to 8)	(-1 to 11)
	CON	median	19.0	23.5	23.0	2.5*	3.0*
		(range)	(5 to 27)	(16 to 28)	(18 to 28)	(-1 to 11)	(-2 to 13)
		p-value <sup>a</sup>	0.6	0.33	0.3	0.37	1
		(group					
		differences)					
Push-ups	PM	median	8.5	9.5	10.5	1.5*	3.0*
(n/ 40 s)		(range)	(0 to 13)	(0 to 18)	(0 to 18)	(0 to 9)	(0 to 10)
	CON	median	8.0	11.5	13.0	3.0*	4.0*
		(range)	(4 to 17)	(6 to 18)	(10 to 19)	(0 to 6)	(1 to 7)
		p-value <sup>a</sup>	0.42	0.35	0.2	0.8	0.57
		(group					
		differences)				1.0++	
Sit and	PM	median	-3.5	0.5	-2.0	4.0**	2.5
reach –	0.011	(range)	(-16 to 9)	(-14 to 13)	(-18 to 15)	(-1 to 12)	(-4 to 11)
Flexibility	CON	median	1.0	0.0	-3.0	2.5	0.0
(cm)		(range)	(-15 to 14)	(-16 to 13)	(-16 to 13)	(-3 to 4)	(-3 to 7)
		p-value <sup>a</sup>	0.42	0.9	1	0.035	0.51
		(group differences)					
Number of	PM	n	18	18	14	18	14
patients	CON	n	13	12	9	12	9
(all tests)					Ĩ		Ĭ

\* p-values <0.05, \*\* p-values <0.001 <sup>a</sup> p-values testing the significance of group differences at each time point, and of group differences in change. Null hypothesis: medians of both groups are equal.

PM: PathMate group, CON: Control group, T0: intervention start, T1 and T2: 5.5 and 12 months after intervention start, respectively