

Supplementary Table. Subgroup analysis

MOCART score	CCP-ACI group		MFx group		<i>p</i> -value
	Difference at week 48 from screening	n (%)	Difference at week 48 from screening	n (%)	
Sex					
Male	44.8 ± 13.9	14 (70)	31.7 ± 32.6	3 (30)	n.s.
Female	38.8 ± 11.2	6 (30)	21.8 ± 14.0	7 (70)	0.036
Age					
< 50 years	47.1 ± 10.2	11 (55)	24.6 ± 24.4	6 (60)	n.s.
≥ 50 years	38.1 ± 15.1	9 (45)	15.0 ± 13.4	4 (40)	n.s.
BMI					
< 25 kg/m ²	46.3 ± 13.6	12 (60)	17.5 ± 18.9	3 (30)	0.009
≥ 25 kg/m ²	38.1 ± 11.4	8 (40)	27.9 ± 20.7	7 (70)	n.s.
Activity level					
Non-athletes	42.7 ± 14.6	15 (75)	20.6 ± 15.5	9 (90)	0.002
Athletes	44.0 ± 8.6	5 (25)	62.5 ± 0.0	1 (10)	n.s.
Cause					
Traumatic	44.3 ± 12.6	10 (5)	-	0 (0)	n.a.
Non-traumatic	41.8 ± 14.2	10 (5)	24.8 ± 19.7	10 (10)	0.040
Lesion site					
Femoral condyle	45.6 ± 11.0	9 (45)	18.9 ± 17.1	7 (70)	0.002
Trochlear	40.9 ± 14.8	11 (55)	38.3 ± 21.8	3 (30)	n.s.
KL grade					
1	46.4 ± 12.8	13 (65)	29.6 ± 18.5	6 (60)	0.034
2	36.8 ± 12.2	7 (35)	17.5 ± 21.9	4 (40)	n.s.
ICRS grade					
3	36.5 ± 10.4	5 (25)	0.0 ± 0.0	1 (10)	n.a.
4	45.2 ± 13.5	15 (75)	27.5 ± 18.8	9 (90)	0.014
Defect area[†]					
< 4 cm ²	42.2 ± 13.0	15 (75)	23.9 ± 20.7	9 (90)	0.014
≥ 4 cm ²	45.5 ± 14.7	5 (25)	32.5 ± 0.0	1 (0)	n.a.
Defect depth					
< 6 mm	40.5 ± 12.5	16 (80)	24.8 ± 19.7	10 (100)	0.020
≥ 6 mm	53.1 ± 12.0	4 (20)	n.a.	0 (0)	n.a.
Defect volume[†]					
< 2 cm ³	41.2 ± 13.2	14 (70)	24.8 ± 19.7	10 (100)	0.022
≥ 2 cm ³	47.1 ± 13.3	6 (30)	n.a.	0 (0)	n.a.

Values are means ± SDs.

Abbreviations: MOCART, magnetic resonance observation of cartilage repair tissue; CCP-ACI, costal chondrocyte-derived pellet-type autologous chondrocyte implantation; MFX, microfracture; BMI, body mass index; KL, Kellgren-Lawrence; ICRS, International Cartilage Repair Society; n.s., not significant; n.a., not applicable.