

Supplementary Table S1. Comparison of ultrasound inflammatory features between groups.

Ultrasound features	HYAJOINT Plus	Durolane	Remark
<i>Suprapatellar synovitis</i>			
(SPS), n (%)	8	2	Grade I SPS in all cases
Baseline			
4 weeks	4 (50.0%)	0 (0.0%)	
12 weeks	0 (0.0%) ^b	0 (0.0%)	
26 weeks	1 (16.7%) ^b	0 (0.0%)	
39 weeks	1 (16.7%) ^b	0 (0.0%)	
52 weeks	0 (0.0%) ^b	0 (0.0%) ^a	
<i>p</i> value	<0.001	0.026	
<i>Suprapatellar effusion</i>			
(SPE), n (%)	18 (Gr. II: 1)	10 (Gr. II: 1)	Grade I SPE in other cases
Baseline			
4 weeks	9 (50.0%)	4 (40.0%)	
12 weeks	4 (23.5%) ^a	3 (30.0%)	
26 weeks	2 (11.8%) ^a	0 (0.0%)	
39 weeks	4 (25.0%) ^b	2 (25.0%) ^b	
52 weeks	8 (53.3%) ^c	3 (37.5%) ^b	
<i>p</i> value	<0.001	0.002	
<i>Medial compartment synovitis</i>			
(MCS), n (%)	31	28	Grade I MCS in all cases
Baseline			
4 weeks	21 (67.7%)	21 (75.0%)	
12 weeks	14 (46.7%) ^a	10 (50.0%) ^a	
26 weeks	11 (37.9%) ^b	7 (26.9%) ^b	
39 weeks	13 (44.8%) ^b	8 (36.4%) ^f	
52 weeks	14 (48.3%) ^b	6 (26.1%) ^e	
<i>p</i> value	<0.001	<0.001	
<i>Lateral compartment synovitis</i>			
(LCS), n (%)	17	7	Grade I LCS in all cases
Baseline			
4 weeks	9 (52.9%)	4 (57.1%)	
12 weeks	7 (43.8%) ^a	1 (14.3%)	
26 weeks	5 (33.3%) ^b	2 (28.6%)	
39 weeks	5 (33.3%) ^b	0 (0.0%) ^b	
52 weeks	5 (33.3%) ^b	1 (20.0%) ^b	
<i>p</i> value	<0.001	<0.001	

p value, the linear trend in percentage within the group was tested using the Cochran-Armitage trend test

^a: one case missing; ^b: two cases missing; ^c: three cases missing; ^d: four cases missing;

^e: five cases missing; ^f: six cases missing