

1 **Table 1.** Patient demographics

	#0 polyester suture	UHMWPE tape	P-value
Number of patients	14	23	
Sex, men/women	3/11	2/21	0.346 ^a
Age, years	65.3 ± 9.2	65.0 ± 8.5	0.875
Height, m	1.58 ± 0.06	1.56 ± 0.07	0.145
Body weight, kg	67.5 ± 12.1	61.0 ± 9.5	0.234
Body mass index, kg/m ²	27.3 ± 5.4	25.3 ± 4.2	0.121
Duration from injury to surgery, days	61.5 ± 59.0	63.2 ± 49.5	0.986
Root tear classification			
Type 1/2/3/4/5	0/13/0/1/0	0/21/0/2/0	1.000 ^a

2 Age, height, body weight, body mass index, and duration are displayed as mean ± standard deviation.

3 Statistical differences in age, height, body weight, body mass index, and duration between the two

4 groups were analyzed using the Mann–Whitney U test. ^a Fisher’s exact test.

5 UHMWPE, ultra-high molecular weight polyethylene

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7 **Table 2.** Preoperative clinical scores

	#0 polyester suture (n = 14)	UHMWPE tape (n = 23)	P-value
Lysholm knee score	61.2 ± 9.7	60.0 ± 8.9	0.552
Tegner activity score	1.6 ± 0.8	2.0 ± 1.2	0.495
Pain score (VAS)	35.2 ± 25.0	40.5 ± 29.8	0.789
IKDC score	37.9 ± 20.5	37.7 ± 13.5	0.856
KOOS			
Pain	55.8 ± 22.3	56.7 ± 16.0	0.958
Symptoms	62.3 ± 22.4	62.0 ± 20.7	0.958
ADL	64.0 ± 21.7	65.7 ± 13.1	0.741
Sport/Rec	27.5 ± 34.7	18.9 ± 21.7	0.764
QOL	35.0 ± 25.3	34.1 ± 19.6	0.903

8 Data are displayed as mean ± standard deviation.

9 UHMWPE, ultra-high molecular weight polyethylene; VAS, visual analogue scale; IKDC,
10 International Knee Documentation Committee; KOOS, Knee Injury and Osteoarthritis Outcome
11 Score; ADL, Activities of Daily Living; Sport/Rec, sport and recreation functions; QOL, knee-related
12 quality of life.

13 **Table 3.** Postoperative clinical scores

	#0 polyester suture (n = 14)	UHMWPE tape (n = 23)	P-value
Lysholm knee score	85.9 ± 9.0	88.4 ± 6.0	0.526
Tegner activity score	3.0 ± 0.6	3.0 ± 0.5	0.818
Pain score (VAS)	18.4 ± 18.6	7.7 ± 11.3	<0.01*
IKDC score	62.4 ± 10.1	66.7 ± 12.2	0.228
KOOS			
Pain	85.0 ± 9.3	87.0 ± 10.2	0.480
Symptoms	81.9 ± 9.9	82.0 ± 11.9	0.987
ADL	87.4 ± 6.6	88.9 ± 8.4	0.308
Sport/Rec	46.1 ± 28.2	46.7 ± 28.8	0.975
QOL	59.5 ± 16.6	63.6 ± 23.8	0.671
Meniscal healing score, 0-10 points	5.6 ± 2.1	7.3 ± 0.9	<0.01*

Width, bridging tissue \leq 5 mm (%)	4 (28.6)	1 (4.3)	0.057 ^a
Stability, useless or detached (%)	3 (21.4)	1 (4.3)	0.142 ^a
All-inside suture breakage (%)	7 (50.0)	9 (39.1)	0.733 ^a

14 Data are displayed as mean \pm standard deviation. * Significant difference. ^a Fisher's exact test.

15 UHMWPE, ultra-high molecular weight polyethylene; VAS, visual analogue scale; IKDC,
16 International Knee Documentation Committee; KOOS, Knee Injury and Osteoarthritis Outcome
17 Score; ADL, Activities of Daily Living; Sport/Rec, sport and recreation functions; QOL, knee-related
18 quality of life.