Table 1. Demographics and clinical characteristics

	Posterior root tears	Other meniscal tears	P value
Number of patients (knees)	38 (39)	47 (49)	
Gender, men/women	6/32	23/24	0.002*
MRI examinations	60	60	
Root tear classification Type 1/2/3/4/5 (39 knees)	5/29/1/4/0		
Age, years	60.1 ± 10.5	55.9 ± 11.3	0.037
Height (m)	1.57 ± 0.07	1.63 ± 0.09	0.002
Body weight (kg)	67.7 ± 16.5	67.3 ± 12.3	0.456
Body mass index (kg/m^2)	27.3 ± 5.4	25.3 ± 3.5	0.034

Data of age, height, body weight, and body mass index are displayed as a mean ± standard deviation. Statistical differences in age, height, body weight, and body mass index between two groups were analyzed using Mann-Whitney U-test. * Fisher's exact test. MRI, magnetic resonance imaging.

Table 1

Table 2. Characteristic sings of magnetic resonance imaging (MRI)

	Posterior root tears 60 MRI scans	Other meniscal tears 60 MRI scans	P value
Giraffe neck sign (Cleft sign negative)	49 (81.7%) (6 out of 49)	2 (3.3%) (1 out of 2)	< 0.001
Cleft sign (Giraffe neck sign negative)	49 (81.7%) (6 out of 49)	3 (5%) (2 out of 3)	< 0.001
Medial extrusion sign	54 (90%)	48 (80%)	0.200
Ghost sign	48 (80%)	5 (8.3%)	< 0.001
Radial tear sign	39 (69.6%) (56 axial images)	2 (3.4%) (58 axial images)	< 0.001

Table 2

Table 3. Coexistence of characteristic sings on magnetic resonance imaging (MRI), except for medial extrusion sign

	Posterior root tears 60 MRI scans	Other meniscal tears 60 MRI scans	P value
Any 1 sign	59 (98.3%)	8 (13.3%)	< 0.001
Any 2 signs	55 (91.7%)	3 (5%)	< 0.001
Without using giraffe neck sign	49 (81.7%)	2 (3.3%)	< 0.001
Giraffe neck/cleft	37 (61.7%)	1 (1.7%)	< 0.001
Giraffe neck/ghost	40 (66.7%)	0 (0%)	< 0.001
Cleft/ghost	40 (66.7%)	2 (3.3%)	< 0.001
Any 3 signs	46 (76.7%)	1 (1.7%)	< 0.001
All 4 signs	25 (41.7%)	0 (0%)	< 0.001

Table 3