

**Table 1.** Patient demographics

|  | Arthroscopic<br>healing score < 7 | Arthroscopic<br>healing score $\geq$ 7 | P value            |
|--|-----------------------------------|--|--------------------|
| Number of patients                           | 35                                | 23                                     |                    |
| Gender, men/women                            | 5/30                              | 4/19                                   | 1.000 <sup>a</sup> |
| Age, years                                   | 63.5 $\pm$ 8.5                    | 62.0 $\pm$ 9.2                         | 0.256              |
| Height, m                                    | 1.56 $\pm$ 0.08                   | 1.56 $\pm$ 0.08                        | 0.488              |
| Body weight, kg                              | 63.7 $\pm$ 13.5                   | 65.7 $\pm$ 11.4                        | 0.270              |
| Body mass index, kg/m <sup>2</sup>           | 25.9 $\pm$ 4.0                    | 26.8 $\pm$ 3.3                         | 0.193              |
| Injured knee, right/left                     | 15/20                             | 6/17                                   | 0.267 <sup>a</sup> |
| Duration from injury to pullout repair, days | 99.9 $\pm$ 68.5                   | 90.5 $\pm$ 73.3                        | 0.331              |
| Suture configuration, F-MMA/TSS              | 30/5                              | 18/5                                   | 0.496 <sup>a</sup> |

F-MMA, FasT-Fix-dependent modified Mason-Allen. TSS, two simple stitches. Data of age, height, body weight, body mass index, and duration from injury to pullout repair are displayed as a mean  $\pm$  standard deviation. Statistical differences in age, height, body weight, body mass index, and the duration between two groups were analyzed using Mann-Whitney U-test. <sup>a</sup> Fisher's exact test.

**Table 2.** Clinical characteristics at second-look arthroscopy (1 year postoperatively)

|                            | Arthroscopic healing score<br>< 7 (n = 35) | Arthroscopic healing score<br>≥ 7 (n = 23) | P value   |
|----------------------------|--|--|-----------|
| Lysholm knee score         | 85.7 ± 7.2                                 | 85.9 ± 11.4                                | 0.479     |
| Tegner activity score      | 2.8 ± 0.8                                  | 3.0 ± 0.7                                  | 0.228     |
| Pain score (VAS)           | 14.3 ± 15.5                                | 8.2 ± 8.8                                  | 0.036*    |
| IKDC score                 | 61.8 ± 15.6                                | 67.3 ± 12.9                                | 0.079     |
| KOOS                       |  |  |           |
| Pain                       | 80.7 ± 16.0                                | 85.1 ± 14.8                                | 0.150     |
| Symptoms                   | 77.5 ± 15.2                                | 80.9 ± 13.4                                | 0.189     |
| ADL                        | 85.0 ± 12.4                                | 89.3 ± 11.9                                | 0.097     |
| Sport/Rec                  | 48.3 ± 25.6                                | 67.8 ± 21.2                                | 0.002**   |
| QOL                        | 51.9 ± 20.1                                | 70.7 ± 17.4                                | < 0.001** |
| Arthroscopic healing score | 5.1 ± 1.0                                  | 7.8 ± 1.0                                  | < 0.001** |

VAS, visual analogue scale. IKDC, International Knee Documentation Committee. KOOS, Knee Injury and Osteoarthritis Outcome Score. ADL, activities of daily living. Sport/Rec, sport and recreation function. QOL, knee-related quality of life. Data are displayed as a mean ± standard deviation. <sup>a</sup> Meniscal healing score at second-look arthroscopy (total, 10 points). \* P < 0.05. \*\* P < 0.01.

**Table 3.** MRI findings at second-look arthroscopy (1 year postoperatively)

|   | Arthroscopic<br>healing score < 7 | Arthroscopic<br>healing score $\geq$ 7 | P value            |
|---|-----------------------------------|--|--------------------|
| High signal intensity, positive/negative  | 35/0                              | 22/1                                   | 0.397              |
| Continuity, positive/negative             | 33/2                              | 23/0                                   | 0.513              |
| Suspension bridge sign, positive/negative | 9/26                              | 19/4                                   | < 0.001**          |
| Medial meniscus medial extrusion, mm      | 5.2 $\pm$ 1.5                     | 5.4 $\pm$ 0.9                          | 0.250 <sup>a</sup> |

MRI, magnetic resonance imaging. Data of medial meniscus medial extrusion are displayed as a mean  $\pm$  standard deviation. Statistical differences in MRI findings between two groups were analyzed using Fisher's exact test. <sup>a</sup> Mann-Whitney U-test. \*\* P < 0.01.