

Peri-Artificial Ligament Inflammation After Medial Patellofemoral Ligament Augmentation

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Medial patellofemoral ligament augmentation with the use of artificial ligaments results in favorable knee stability with minimal complications; however, two rare cases of peri-artificial ligament inflammation have been reported in 37 patients since 2018. The patients, both of whom were female athletes aged 21 years and 16 years, experienced knee pain postoperatively. Ultrasonographic images confirmed inflammation about the artificial ligament. This was managed via ultrasonographic-guided steroid injections, which effectively reduced inflammation within 1 week and enabled the patients to resume sports activity without recurrence. This inflammation may be the result of friction between the artificial ligament and the medial femoral condyle, which may be more common in individuals who engage in high-intensity activity. Ultrasonographic-guided steroid injection appears to be an effective treatment option for this rare inflammation.