

Intraarticular Meniscal Cyst of the Knee - Case Report -

Department of Orthopaedic Surgery, Eulji University Hospital, Taejeon, Korea

Kwang-Won Lee, Byung-Sung Kim, Ha-Yong Kim, Won-Sik Choy

Purpose

Meniscal cysts(cystic degeneration of the meniscus) are not uncommon. Smillie described a total of 738 cases of cystic degeneration in 7115 medial and 28885 lateral menisectomies(overall incidence, 7.4%). But intraarticular meniscal cysts are very rare. We reported one case of unusual location of meniscal cyst.

Material and Method

A 30-year old man presented with right knee pain that worsened over a 4-week period. Physical examination showed a full range of motion of the right knee and no quadriceps atrophy. There was no effusion in the knee. Medial joint line tenderness was present, and McMurray's test results were positive. Anteroposterior, lateral views of the knee showed no bony or soft tissue abnormalities. MR imaging of the right knee showed well-demarcated cystic mass behind PCL with a thin low signal intensity margin and tear on posterior horn of medial meniscus. The patient underwent arthroscopy for further evaluation and debridement of the mass.

Results

This cyst appeared to be attached to the posterior aspect of PCL under MR imaging. But on the arthroscopic finding, the cyst was located on the posterior margin of the posterior horn of medial meniscus that was entirely intraarticular. We performed arthroscopical partial meniscectomy with debridement of the cyst.

Conclusion

We reported one case of unusual location of meniscal cyst that was located posterior margin of the posterior horn of medial meniscus associated with meniscal tear.