

전방십자인대 재건술 후에 발생한 대퇴골 외측과의 골괴사 Osteonecrosis of the Lateral Femoral Condyle Following ACL Reconstruction: Is Bone Bruising a Risk Factor?

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CASE REPORT

Osteonecrosis of the knee is extremely rare following anterior cruciate ligament (ACL) reconstruction. Osteonecrosis of the knee is an uncommon condition which has been known to occur in hemoglobinopathies, connective tissue disorders and following prolonged corticosteroid or alcohol intake. Osteonecrosis of the knee usually affects the medial femoral condyle with sporadic case reports on lateral condylar affliction. Although it has been previously reported to occur following arthroscopy for chondral and meniscal lesions, osteonecrosis following ACL reconstruction is extremely rare.

We report a case of osteonecrosis of the lateral femoral condyle in a patient after ACL reconstruction. The patient had a large bone bruise, sustained in the original trauma, which was in the same area as the femoral tunnel for the ligament reconstruction.

We hypothesize that the combination of bone bruising and femoral tunnel drilling for ACL reconstruction may have compromised the overall vascularity of the articular cartilage and the subchondral bone, thereby resulting in osteonecrosis.

Key Words

ACL Reconstruction, Osteonecrosis, Lateral femoral condyle