

An Inherent Risk to Damage the Popliteus Tendon by Some Femoral Component Designs: A Pilot Study in Indian Knees

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Abstract : Femoral components with inbuilt rotation require thicker flexion resection of the lateral femoral condyle and could potential risk to damage the popliteus tendon especially in the smaller Asian knees. We prospectively evaluated 10 patients with bilateral varus osteoarthritis knee to size the cuts and their location in relation to the popliteus tendon. Two different types of implant were used on either side, one side requires resection in 3° external rotation (group A) and other side femoral component with inbuilt external rotation (group B). We had popliteus tendon injury in 3 knees all from group B. Risk of damaging the popliteus tendon was found higher in group B.

Keywords : popliteus tendon injury, TKA, orthopaedic surgery, biomechanics and clinical applications

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