

WRONG SIDE IMPLANT TOTAL KNEE REPLACEMENT

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Introduction: Total knee replacements are one of the most successful procedures in all of medicine. Since first performed in 1968, improvements in surgical materials and techniques have greatly increased its effectiveness. However, we've rarely seen wrong implantation occur in this surgical procedure.

Discussion: We report a rare case of wrong implant occurred during total knee replacement in 60 year old woman, known to have bilateral knee osteoarthritis which has failed conservative treatment. Patient reports severe pain in both knees with decreased walking distance. Examination showed full range of motion for both knees, preoperatively. X-ray showed severe bilateral tricompartmental osteoarthritis. Patient underwent left total knee replacement (Medial Pivot) in 2019. Postoperative radiographs showed well-fixed femoral and tibial, components; however, right femoral implant was placed in the left knee instead of left femoral component. Postoperative examination showed painless full range of motion of 0 to 125 degrees. There was no patellar maltracking. No clicking was heard. The patient was informed about this error. She has been following up in the clinic for 1 year. She complains of mild occasional pain but otherwise is functioning well. Knee Society score was 75. Oxford Knee Score was 36.

Conclusion: One case report has been found in the literature describing wrong-site femoral component in total knee arthroplasty (using Sigma) that has ended up with symptomatic patellar maltracking. Another case reported in 2018 which they have done bilateral total knee replacement, the left femur implanted with right sided implant, however no complication post-operative was reported. There are several factors that lead to this event such as miscommunication among staff, surgical team members or staff not speaking up when they notice wrong site surgery.