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Name of Journal: *World Journal of Orthopedics*

Manuscript NO: 58931

Manuscript Type: MINIREVIEWS

Lateral unicompartmental knee arthroplasty: A review

LUKA review

Abstract

Isolated lateral compartment osteoarthritis of the knee is a rare condition affecting approximately 1% of the population, which is ten times less common than osteoarthritis affecting only the medial compartment. Unicompartmental total knee arthroplasty (UKA) has many potential advantages over total knee arthroplasty (TKA). The benefits of UKA include a smaller incision, preservation of more native tissue (including cruciate ligaments and bone), decreased blood loss, and better overall proprioception. When UKA was first introduced in the 1970s, the outcomes of medial UKA (MUKA)

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lateral unicompartmental knee arthroplasty (UKA) is an appealing alternative to total knee arthroplasty. The advantages of UKA compared with total knee arthroplasty include improved postoperative range of motion, preservation of the cruciate ligaments and bone stock, improved proprioception, increased patient satisfaction, earlier return to activities, shorter

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PURPOSE: Currently, individual studies lack the power to successively illustrate different failure modes; therefore, we undertook a systematic review to examine lateral unicompartmental knee replacement (lat UKR) failure modes. Furthermore, we compared early with midterm and late failures and fixed-bearing

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Lateral unicompartmental knee arthroplasty: a review

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Abstract. **Lateral unicondylar knee arthroplasty (UKA)** has been utilized as a treatment for isolated lateral tibiofemoral osteoarthritis (OA) since the first description of UKA in the 1970s. To date, there remains some controversy on UKA procedures. As indications for lateral UKA are usually rare, surgeon experience seems to be the key factor for a successful intervention.

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» **Lateral unicompartmental knee arthroplasty** affords excellent functional results and implant survivorship for properly selected patients. More high-quality studies are necessary to determine whether expanded indications for medial **unicompartmental knee arthroplasty** also apply to lateral unicompartmental knee arthroplasty.

Lateral unicompartmental knee arthroplasty: A review



Unicompartmental knee arthroplasty

Surgical Procedure

Unicompartmental knee arthroplasty is a surgical procedure used to relieve arthritis in one of the knee compartments in which the damaged parts of the knee are replaced. UKA surgery may reduce post-operative pain and have a shorter recovery period than a total knee replacement procedure, particularly in people over 75 years of age. Moreover, UKAs may require a smaller incision, less tissue damage, and faster recovery times.



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