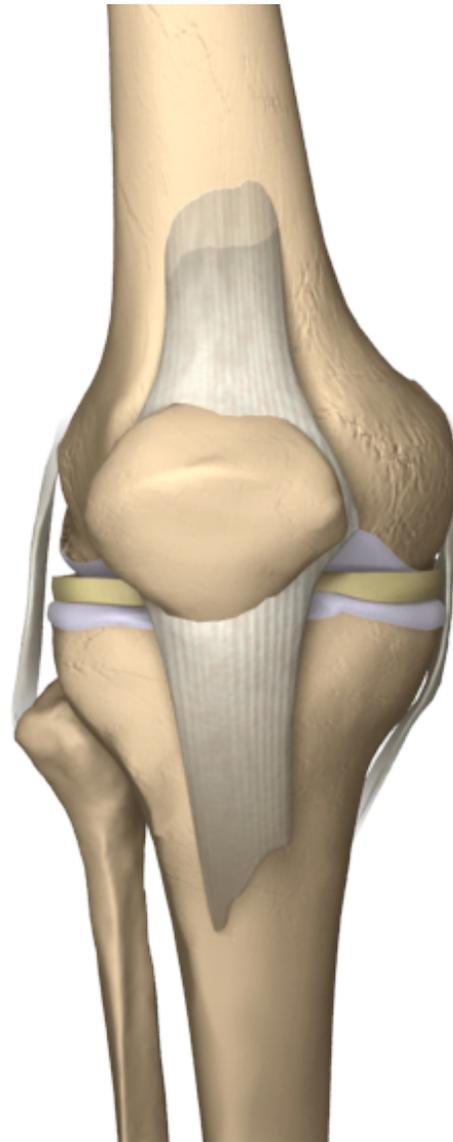


Partial Knee Replacement

Partial Knee Replacement (also known as Uni Knee Replacement) involves resurfacing the damaged portions of the knee while leaving healthy areas intact. The cartilage covering the femur and tibia becomes worn and the underlying bone develops spurs and various irregularities which produce pain and loss of knee motion. This procedure is most commonly performed on the inside (medial) section of the knee but in some cases it may also be performed on the outside (lateral) section of the knee as well.





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Doctor's Personal Note: A Message From Your Doctor

Thank you for visiting our website and viewing our 3D Animation Library. These animations should assist you in better understanding your condition or procedure. We look forward to answering any additional questions you may have at our next appointment.



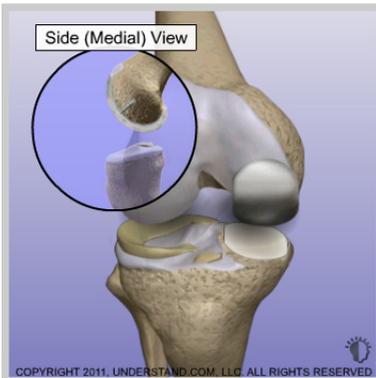
Incision

An incision is made along the inner side of the patella to expose the medial anatomy of the knee joint.



Preparation

The patella, including the tendon, is moved toward the outside of the knee to expose the femur and tibia. The bone surfaces are precisely prepared for the replacement components by the use of alignment and cutting guides.



Securing Components

The components are secured to the ends of the tibia and femur using a combination of cement and tightly fitted components sized specifically to the knee joint.



End of Procedure

The knee joint is then rejoined and all surrounding tissues are repaired back to the normal position. Following adequate healing and rehabilitation exercises, knee motion and strength generally return to near normal.