

UNI - COMPARTMENT REPLACEMENT

KNEE

Unicompartmental knee replacement – What you should know about?

The damaged bone and cartilage get resurfaced with metal and plastic components in a **Total Knee Replacement surgery**. In a **Unicompartmental Knee Replacement** only a certain portion of the knee is resurfaced. This surgery is also called Half or **Partial Knee Replacement surgery**. It is an alternative to the **Total Knee Replacement** for patients whose challenges or issues are restricted to just one area of the knee.

Robotic-Assisted Surgery for Partial Knee Replacement or Partial Knee Replacement with Mako is now possible in India too. Infact if you are searching for the Best Knee Replacement doctor in Patna you can connect with AIOR – Anup Institute of Orthopaedics and Rehabilitation team <https://www.aior.co.in/best-orthopedic-hospital.php>.

Partial Knee Replacement is a surgical treatment in which the surgeon replaces the damaged part of the knee. The knee ligaments and unaffected cartilage are conserved. Patients with unicompartmental knee arthritis suffer from cartilage degeneration in just one particular compartment or section of the knee. The surgery is often referred to as **Unicompartmental Knee Replacement** or Unicompartmental Knee Arthroplasty.

The knee joint is composed of primarily three bone articulation – The Tibia (leg bone), the femur (thigh bone) and the patella (kneecap). Our knee is also divided into

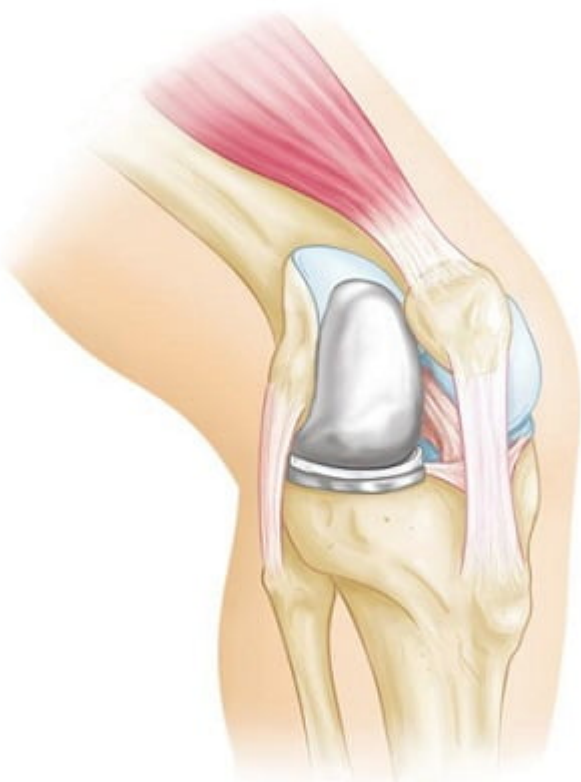
three major compartments:

- Medial compartment (the inside part of the knee)
- Lateral compartment (the outside part)
- Patellofemoral compartment (the front of the knee between the kneecap and thigh bone)

In arthritis the cartilage of these joints gets worn and subsequently, the bone starts rubbing on bone, and pain starts. Usually the cartilage protecting the bones of the knee slowly wears away.

This issue can emerge throughout the knee joint or just in a single area of the knee.

In advanced stages, the leg starts bowing and the biomechanics is changed and may also lead to a stress fracture.



It is mandated to understand in replacement surgeries the cartilage, which gets worn is replaced with metal and plastic combination and the biomechanics or the alignment, which gets hampered or distorted is restored.

Total Knee Replacement has been a successful procedure; patients do benefit and the result is an improvement in the quality of life. When the disease is limited to only one compartment we also refer to it as medial compartment osteoarthritis or lateral compartment osteoarthritis. Sometimes as it happens that only one compartment may get worn and may be the cause of pain.

And here comes the concept of **Half or Partial Knee Replacement or Unicompartamental Knee Replacement.**



By performing a Partial Knee Replacement the disease may get contained and the pain will go away.

You can connect with AIOR – Anup Institute of Orthopaedics and Rehabilitation team

<https://www.ajor.co.in/best-orthopedic-hospital.php> to know about knee replacement surgeries. Our Partial/Unicompartamental Knee Replacement cost is competitive and we have the best surgeons assisted by an experienced team <https://www.ajor.co.in/doctors-team.php> Also, Total Knee Replacement treatment in Patna is now possible at AIOR.