

Improve your quality of life with the

GMK SPHERE

Medially Stabilized Knee



Suffering from knee pain?

If your knee pain limits your daily activities, affects your mood, your health and your general well-being...

You're certainly not alone!

Are you considering Total Knee Replacement?

There are a number of solutions, surgical and non-surgical, to treat your disease. Ask your doctor what is the most suitable treatment based on your age, activity level and expectations.

A tailored solution for every patient

The innovative design of the GMK Sphere has been validated with a database containing more than 15,000 CT and MRI knee scans.

The GMK Sphere is available in a variety of sizes to offer a tailored solution for every patient.

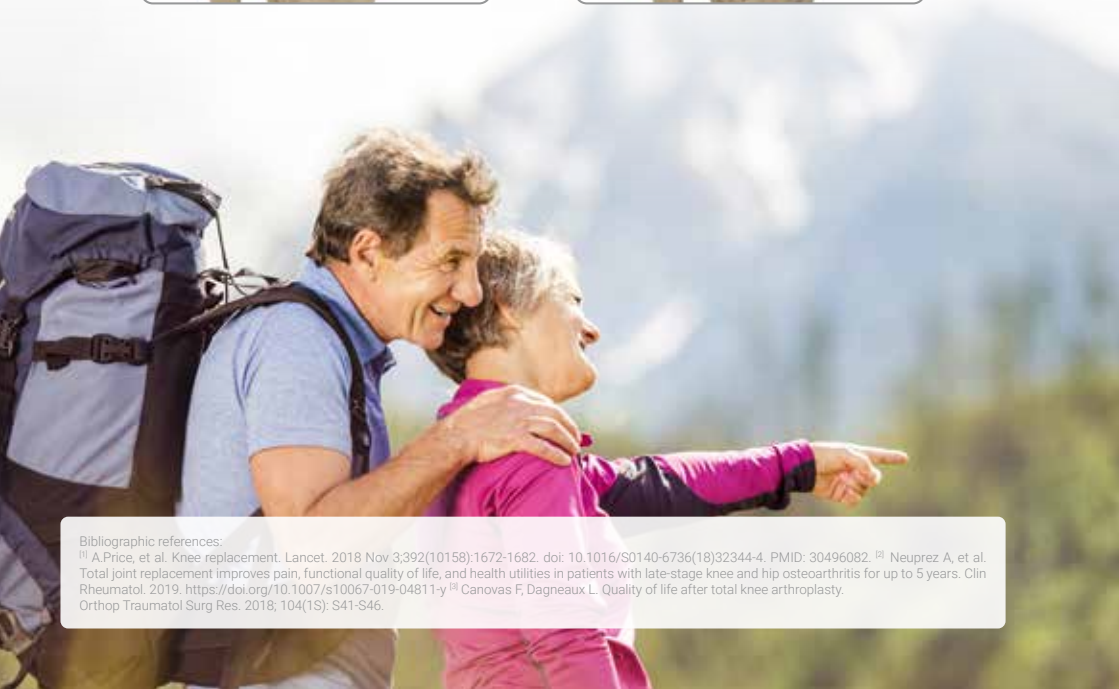
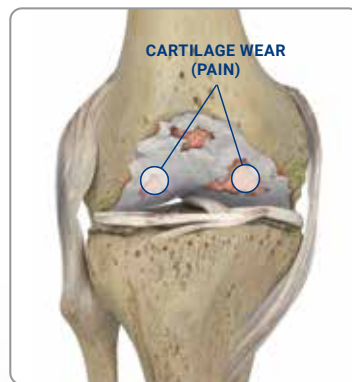
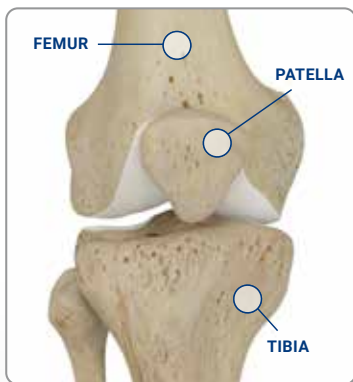
In addition, the implant was created with an anatomically designed patellofemoral joint, which can potentially decrease post-operative knee pain during normal daily activities.



What is osteoarthritis?

The knee joint is comprised of three bones: thigh bone (femur), shin bone (tibia) and kneecap (patella). The end of each bone is covered by a smooth surface (cartilage) which allows movement.

The main cause of knee joint diseases is the wear of the cartilage: osteoarthritis. **This wear is perceived as pain.** In the case of advanced osteoarthritis, your doctor may suggest that you undergo a total knee replacement.



Bibliographic references:

^[1] A Price, et al. Knee replacement. *Lancet*. 2018 Nov 3;392(10158):1672-1682. doi: 10.1016/S0140-6736(18)32344-4. PMID: 30496082. ^[2] Neuprez A, et al. Total joint replacement improves pain, functional quality of life, and health utilities in patients with late-stage knee and hip osteoarthritis for up to 5 years. *Clin Rheumatol*. 2019. <https://doi.org/10.1007/s10067-019-04811-y> ^[3] Canovas F, Dagneaux L. Quality of life after total knee arthroplasty. *Orthop Traumatol Surg Res*. 2018; 104(1S): S41-S46.

What is a total knee replacement?

Total knee replacement surgery aims to substitute the bone and cartilage of the joint damaged by arthritis with metallic and plastic implants. The surfaces of the thigh and shin bones are replaced with metallic components, called the femoral component and tibial baseplate.

Between the femoral component and the tibial baseplate, a plastic tibial insert is implanted. It replaces the cartilage allowing the thigh and shin bone to smoothly slide on each other. All materials used in a total knee replacement are internationally standardized, with long-standing approval for implantation in the human body.



Why a total knee replacement?

With almost 50 years of history, total knee replacement surgery is a very common and safe procedure for the treatment of severe arthritis. Approximately 1,000,000 knee replacements^[1] are performed worldwide annually.



The main benefits of a successful total knee replacement are^[2,3]:

1. Reduction of knee pain

Pain may be rapidly and dramatically reduced, or potentially eliminated!

2. Recovery of mobility

You may dramatically improve the mobility of your knee.

3. Improvement in quality of life

Your everyday activities may no longer be limited by pain and reduced mobility!

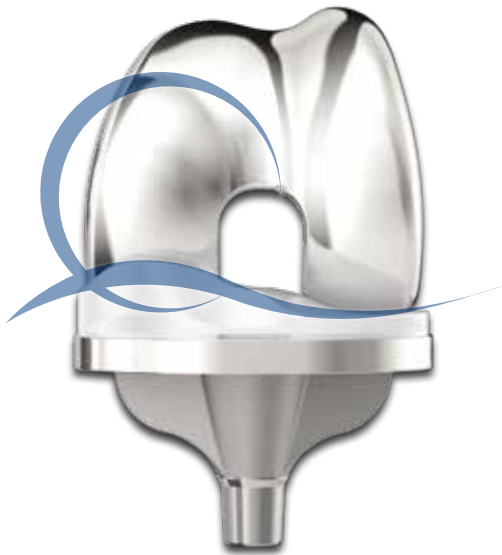
GMK Sphere: the Medially Stabilized Knee

A normal knee is a complex structure - when it bends, the lateral (outer) side rolls back, while the medial (inner) side remains **stable**.

The GMK Sphere knee implant is designed to provide a more natural motion that replicates the movement of the healthy knee.

It allows stability in the inner side through a ball-in-socket mechanism. Stability is important for common activities such as going up and down stairs, moving from a sitting to standing position, getting into a car, and more demanding activities like shopping and exercise.

GMK[®] SPHERE
MEDIALLY STABILIZED KNEE



Stability for life

Stability is important

The medial ball-in-socket mechanism of the GMK Sphere helps to replicate the function and the stability provided by the natural ligaments and structures of the knee, most of which are removed during total knee replacement.

Many patients prefer a **stable knee** design with a medial ball-in-socket compared to other conventional knee designs, as they feel more natural, more stable and stronger during common daily activities.



GMK[®] SPHERE

MEDIALY STABILIZED KNEE



If you still have any questions or concerns about total knee replacement, contact your doctor and discuss the pros and cons to make sure it is the right option for you.

For further information visit the website:

myknee4me.com


International 

Medacta International SA
Strada Regina - 6874 Castel San Pietro - Switzerland
Phone +41 91 696 60 60 - Fax +41 91 696 60 66
info@medacta.ch