



**IS YOUR ACTIVE
LIFESTYLE RESTRICTED
DUE TO KNEE PAIN?**

**“The Future” Welcomes You Towards
Freedom Of An Active Lifestyle**

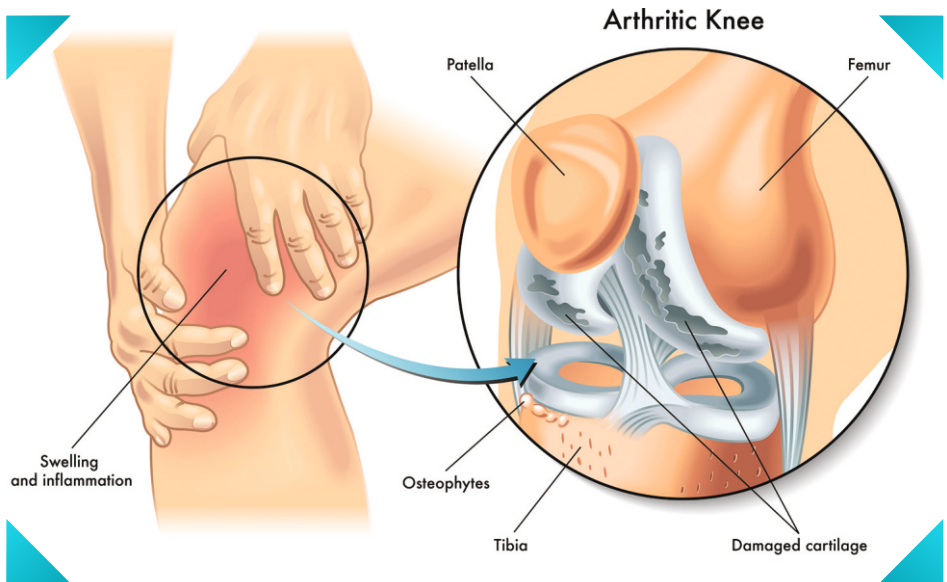
This brochure has been designed to help you learn more about Arthritis of the knee, and how Cuvis Robotic assisted knee technology may be the right treatment option for you. Be sure to discuss all treatment options related to your knee pain with your physician.

Arthritis and your life

Arthritis pain can begin suddenly, but it is most likely to develop gradually over time. You may first experience pain when waking up in the morning or when you stand up after sitting for a while. Eventually you may notice that the pain has taken control over your ability to complete everyday tasks. It may hurt to walk, climb stairs, or even sit down. You may not be able to bend or straighten your knee as you once could. You may also feel a grinding sensation in your knee or popping and cracking sounds when you walk. Arthritis can even wake you up in your sleep. The appearance of your knee may change and become deformed due to the breakdown of the joint. There may come a time when you decide that you need help.

Please speak with your physician if your symptoms for arthritis aren't responding to non-surgical solutions, or your pain can no longer be controlled by medication and is unbearable. The most common surgical knee intervention performed for treatment of OA (Osteoarthritis) is a total knee replacement. During the procedure, the natural knee joint is removed and replaced with an artificial implant. This treatment option is usually offered to patients with advanced osteoarthritis of the knee.





Understanding Arthritis

Knee Arthritis can make everyday life very difficult. There are three types of arthritis that you can have in your knee:

1. Osteoarthritis (OA): This type of arthritis is due to wear and tear on your joints over time. It causes the cartilage to deteriorate and can result in bone rubbing on bone.

2. Rheumatoid arthritis (RA): This type of arthritis is caused by an autoimmune disease that attacks various joints throughout the body. The disease is chronic and inflammatory in nature and damages ligaments and cartilage while softening the bone.

3. Post-traumatic arthritis (PA): This type of arthritis will develop after a trauma or injury to the knee. It may not develop until years after the injury.



What is Robotic Knee Replacement with Cuvis Joint?

In knee replacement surgery, the arthritic portion of the knee is removed and replaced by an artificial joint that form the new surfaces of the knee joint. During Cuvis Joint Robot total knee replacement, surgeons use computed tomography (CT) scans to build a 3D model of the patient's knee. With that virtual model as guide, the surgeon then uses the robotic arm to make accurate bone cuts and insert the knee components precisely.

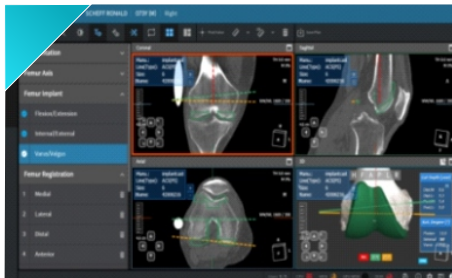


How Cuviz Joint works?

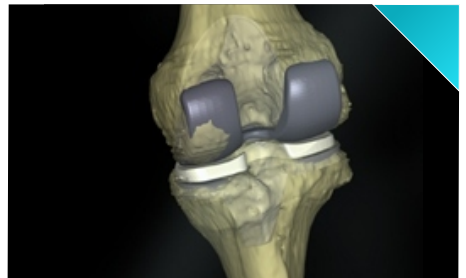
Personalised pre-planning:- Patient's joints 3D images are used by the doctor for pre-planning of the surgery personalized to the patient.

Pre-selection and precise insertion of artificial joint:- The doctor uses the robot to select an artificial joint for the patient and insert it accurately.

Precise cutting for accuracy and optimum alignment:- Robot reviews the data and cuts the bone precisely with respect to the dimensions of the implant decided during pre-surgery planning stage.



Personalised pre-planning



Pre- surgical Planning



Surgical Implementation



Implant Placement

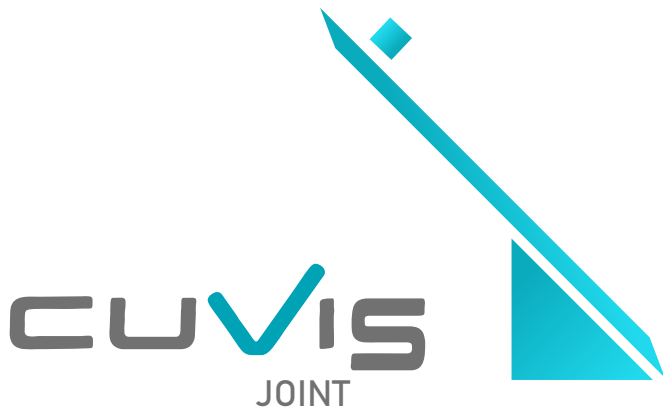
How Cuvis Joint knee replacement surgery benefits me?

The advantages of the Cuvis Joint system were mainly attributed to its comprehensive pre-operative plan, intra-operative monitoring, patient-specific and appropriate intervention by surgeons.

The precision of Cuvis Joint Robot system surgery allows for:

- More accurate implant placement, results in a more natural feeling after surgery
- Reduced risk of injury to adjacent tissues results in improved safety and reduced risk of infection
- Lower blood loss and smaller incisions, help in quicker recovery and less pain.
- Early Rehabilitation, decreased admission time and early discharge from Hospital
- The potential for better long-term function
- Better implant survivorship and longevity
- Improved Quality of life





Issued in public interest by **Meril Healthcare**.

The information given in the booklet is for educational and awareness purpose only and the final decision of therapy option solely lies with the surgeon.

For more information about **Cuvis Joint**, please write to us at

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