



What is joint replacement surgery?

Tsuen Lee*

Oral and Maxillofacial Surgery, University of Tennessee Medical Center, Knoxville, TN, USA.

DESCRIPTION

Joint replacement surgery is also called as Replacement arthroplasty. It is a process of orthopedic surgical operation in which an arthritic or dysfunctional joint surface is replaced with an orthopedic prosthesis. Joint Replacement arthroplasty surgery is considered as a therapy when severe joint pain is not alleviated through less-invasive therapies. It is a form of arthroplasty surgery and it is regularly indicated from various joint diseases, which include osteoarthritis and rheumatoid arthritis.

Types of joint replacement surgeries

Joint Replacement Surgeries (JRS) is a process that many human beings to relieve persistent joint pain and improve joint mobility while different non-surgical therapies have proved unsuccessful.

There are different joint surgical techniques available and depending on your symptoms and the joint affected, will determine best kind of surgical treatment for you. Your orthopedic surgery can be able to discuss all the options with you. The most common kind of joint Replacement arthroplasty which includes.

Total joint replacement surgery: Total joint arthroplasty is a technique which includes removing component or the entire damaged joint and replacing it with synthetic implants. Joint replacement surgical procedure can enhance mobility and provide significant pain relief. It can be required for advanced arthritis because of an injury. Knee, hip and shoulder replacements are common kind of joint replacement surgical procedure.

Anterior hip replacement: An anterior hip

replacement is a new manner to implant a hip replacement using minimally invasive procedure. This allows for muscle sparing instead of muscle splitting and allows for a faster recovery and less restrictions on activity after surgery.

Partial hip replacement: A partial hip replacement is also known as a hemiarthroplasty includes replacing the femoral head only and not the acetabulum. This Partial Hip Replacement surgery is used for more in older patients suffering from a hip fracture and is an alternative option when the socket is healthy.

Knee replacement surgery: Partial Knee Replacement – The knee joint is divided into 3 compartments the lateral compartments, medial and patellofemoral compartments. If damage only affects one or compartments of the knee, a partial knee replacement can be recommended.

Shoulder replacement surgery: Reverse Shoulder Replacement – Where the position of the in the joint are switched over and replaced with synthetic parts. A prosthetic “socket ball” is surgically attached at the shoulder blade, and a synthetic “socket or ball” is then constructed at the top of the upper arm bone.

Knee joint replacement: Knee joint replacement is a surgical treatment is to replace a knee joint with a man-made synthetic joint. The synthetic joint is known as prosthesis.

These portions can be placed in the following locations in the knee joint

Lower end of the thigh bone: The lower end of the bone is known as the femur.

The replacement of part is generally made of metal.

Upper end of the shin bone: This is the massive bone in your lower leg. This bone is known as the tibia. The alternative component is generally made from metal and strong plastic.

Back side of your kneecap: Your kneecap is known as the patella. The replacement part is typically made from a strong plastic.

When is total joint replacement recommended

Several conditions can cause the joint pain and lead patients to consider joint replacement surgery operations. In many different cases joint pain is caused by damage to the cartilage that lines the ends of the bones articular cartilage. Either from a fracture, arthritis, or any other condition.

If nonsurgical therapies like medications, physical therapy, and activity modifications do not relieve your pain and disability, your medical doctor may recommend total joint replacement surgeries.