

Elbow Arthroplasty: A Safe and Effective Treatment for Severe Joint Damage

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DESCRIPTION

Elbow arthroplasty, also known as elbow joint replacement surgery, is a surgical procedure that is used to treat conditions that cause damage or wear to the elbow joint. This type of surgery is typically performed on patients who have severe arthritis, a fracture or dislocation, or other conditions that cause chronic pain and limit their mobility. The elbow joint is composed of three bones, including the humerus, the ulna, and the radius. These bones work together to provide movement and stability to the arm. When one or more of these bones become damaged or worn, it can cause pain, stiffness, and limited mobility.

Elbow arthroplasty involves replacing the damaged or worn components of the elbow joint with artificial components made of metal, plastic, or a combination of both. During the surgery, the surgeon will make an incision on the side of the elbow and remove the damaged joint components. The artificial components will then be implanted and secured to the remaining bone with cement or screws. Elbow arthroplasty can be performed as either a partial or total joint replacement. A partial joint replacement involves replacing only the damaged portion of the joint, while a total joint replacement involves replacing the entire joint. The decision on which type of replacement to perform is based on the extent of the damage and the patient's individual needs and goals.

One of the main benefits of elbow arthroplasty is pain relief. Patients who undergo this surgery typically experience significant reductions in pain, allowing them to perform daily activities with greater ease and comfort. Additionally, the surgery can help improve range of motion and joint stability, allowing patients to

engage in activities they were previously unable to do. However, like any surgical procedure, elbow arthroplasty does come with some risks. These risks can include infection, bleeding, nerve damage, and joint dislocation. Patients who undergo this surgery are carefully monitored and treated for any complications that may arise.

Recovery from elbow arthroplasty can take several weeks to months, depending on the extent of the surgery and the patient's overall health. During the recovery period, patients may be required to wear a brace or splint to help support the joint and prevent movement that could damage the healing joint. Physical therapy may also be prescribed to help improve range of motion and strength in the arm. The expanding practice of TEA (Total Elbow Arthroplasty) leads to a new field in orthopedic surgery. It is necessary to understand the history of the development of TEA in order to accomplish further improvements. This study focuses on the evolution of the elbow arthroplasty, from a historic overview to the present and address issues that could improve the clinical outcome in today's practice.

Overall, elbow arthroplasty is a safe and effective treatment option for patients with severe elbow joint damage. By replacing the damaged joint components with artificial components, patients can experience significant improvements in pain, range of motion, and joint stability, allowing them to lead more active and fulfilling lives. However, like any surgical procedure, it is important for patients to carefully consider the risks and benefits of the surgery and discuss them with their healthcare provider. Although rarely used, total elbow arthroplasty may be the choice in selected patients with elbow fractures with loss of bone.

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