

Let Us Introduce **OURSELVES!**

With over 25 years of orthopedic design and manufacturing experience, Shalby Advanced Technologies erstwhile Consensus Orthopedics is committed to provide proven and reliable total joint implants and instruments to the global market. Located in Northern California, Shalby Advanced Technologies is a high quality manufacturer of hip and knee implants which have a solid reputation for performance and reliability. Together, through a focus on patient care and clinician relationships, we are dedicated to creating one team, focused on "restoring mobility and improving lives."

Headquarters El Dorado Hills, CA

- Manufacturing
- Product Testing Lab
- Quality Control
- Clean Room
- Warehouse Facilities

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Shalby Advanced Technologies is a manufacturer of orthopedic implants and does not practice medicine. Only an orthopedic surgeon can determine what treatment is appropriate. Individual results of total joint replacement may vary. The life of any implant will depend on your weight, age, activity level and other factors. There are potential risks to joint replacement surgery including loosening, wear, fracture, or infection, any of which can require additional surgery. For more information on risks, warnings, and possible adverse effects, talk to your surgeon and view the instructions for use section at shalbytech.com. Always ask your doctor if you have any questions regarding your particular condition or treatment options.



Shalby
Advanced
Technologies, Inc.
Restoring Mobility, Improving Lives.



UNDERSTANDING HIP AND KNEE REPLACEMENT SURGERY

HIP AND KNEE

Frequently Asked Questions

RESTORING MOBILITY, IMPROVING LIVES

Learn about the procedure

Talk to your doctor. Their experience and choice of what implant is best for you is your greatest resource. Learn what to expect before, during, and after surgery. Your questions may include:



- What is the process for being admitted to the hospital?
- What type of anesthesia will I receive?
- What type of implant or prosthesis will be used?
- How long will I stay in the hospital?
- How long will my recovery take?

Assemble Your Personal and Medical Information

When you have a moment, take a few minutes to put together a careful list of your personal and medical information. During the weeks before your surgery, many people will ask about your insurance coverage, medical history, and legal arrangements.

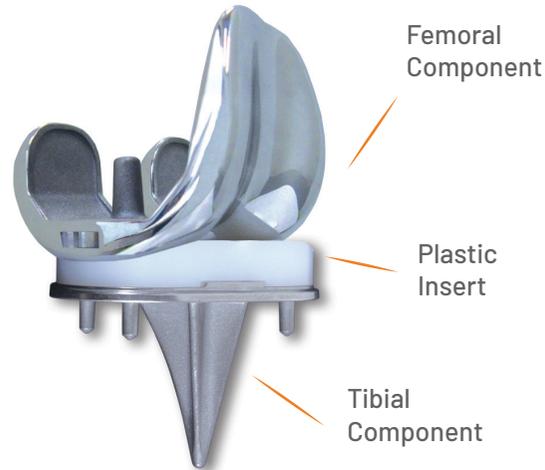
Get in Shape for Surgery

Getting in the best physical shape as possible before surgery may lessen the chance for complications and shorten your recovery time. Consult your physician and/or surgeon regarding the best course of action for your surgery.

Plan for Your Homecoming

Joint replacement is major surgery and your recovery will take several weeks. Plan ahead for:

- Optional post-op rehabilitation facility
- Driving needs
- Cooking and cleaning necessities
- Work leave



Knee Replacement Surgery

Knee replacement surgery is a procedure that is performed when your knee joint experiences pain and discomfort, usually due to arthritis and the subsequent loss of cartilage.

• **Bone Preparation:** The damaged cartilage surfaces at the ends of the femur and tibia are removed.

• **Implant Positioning:** The removed cartilage and bone are replaced with a metal femur and tibial baseplate that recreate the surface of the femur and tibia bones. These metal parts may be cemented or press-fit into the bone.

• **Patella Resurfacing:** The patella, known as the knee-cap, is cut and resurfaced with a plastic oval or circular button. On a case by case basis, surgeons may not replace the patella.

• **Setting the Insert:** A high quality, medical-grade plastic insert is placed between the metal femur and tibia components, creating a smooth gliding surface acting as your new cartilage.

Hip Replacement Surgery

The hip joint is made up of a femoral head (the ball) which moves in the socket (acetabular shell). Hip replacement surgery, also called total hip arthroplasty, involves removing damaged cartilage and bone surrounding the ball and socket joint.

• **Bone Preparation:** The damaged femoral head is removed and the femur is prepared for stem insertion. The femoral stem may be either cemented or “press fit” into the bone.

• **Implant Positioning:** A metal or ceramic ball is placed on the upper part of the stem. This ball replaces the damaged femoral head that was removed.

• **Acetabular Cup Placement:** The damaged cartilage surface of the acetabulum (the socket) is removed and replaced with an acetabular component. Screws or cement are sometimes used to hold the cup (acetabular component) in place.

• **Setting the Liner:** A plastic or ceramic insert is placed between the new ball and socket to allow for a smooth gliding surface.

