



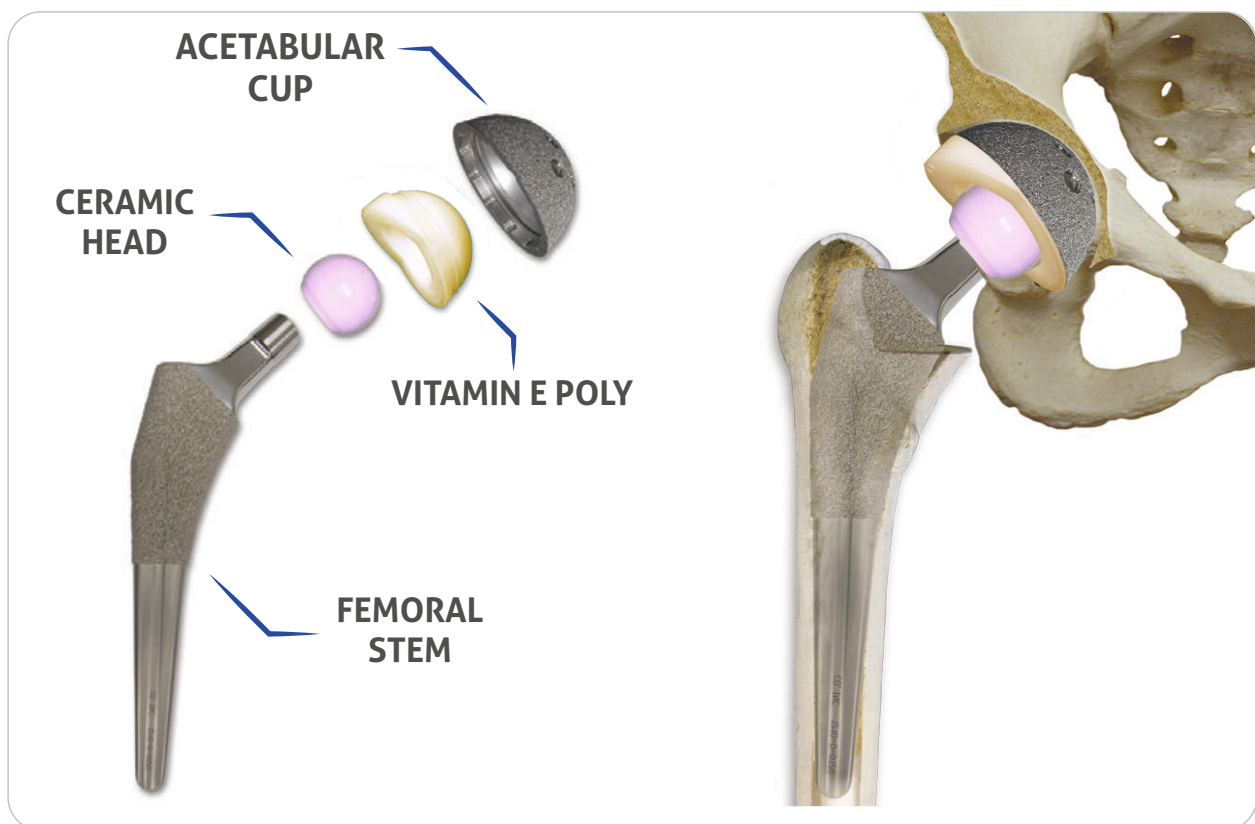
IS SEVERE HIP PAIN AFFECTING YOUR MOVEMENT AND QUALITY OF LIFE?

Damaged hips from arthritis, fractures, or other conditions can make walking, sitting, or even resting painful. Stiffness may also make simple tasks like putting on shoes difficult and in such cases, visiting your nearest hip replacement surgeon is advisable.

Total hip replacement surgery using the right implants is a safe and effective procedure that can relieve your pain, increase motion, and help you get back to enjoying normal, everyday activities.

WHAT ARE THE RIGHT IMPLANTS TO USE?

- ▶ Vitamin E poly liner for wear resistance
- ▶ Titanium femoral stem that fits your anatomy
- ▶ Stable acetabular cup for long-term fixation.



REDEFINING LONGEVITY

Vitamin E-infused polyethylene reduces wear by 78%, improving the longevity of your implant

DESIGNED TO FIT YOUR ANATOMY

Thinner design of the stem at the bottom part of the stem provides a better fit and stronger support for your hip

STABILITY AND FIXATION

Porous coating and accurate fixation of the cup provides strong stability and long-lasting support for a smoother recovery



CLINICAL RESULTS

A study done at an Indian hospital from March 2022 to March 2023 showed positive results for patients who underwent hip replacement using TaperSet restoring hip anatomy & natural movement.

These early results were similar to other popular uncemented hip implants from Zimmer Biomet, Depuy & Stryker.

The TaperSet cementless stem design helps restore your hip's natural movement effectively.

BIOCOMPATIBILITY

Titanium Ti-6Al-4V Alloy is a proven material that offers flexibility and helps prevent excessive stiffness in your hip.

Titanium alloy is coated with a special porous layer that helps the implant bond better with the bone.

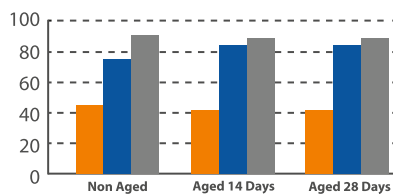
A stem with a thin width reduces the likelihood of thigh pain, which is a common issue after surgery.

VITAMIN-E

The Vitamin E-infused polyethylene liner helps prolong the implant's lifespan and reduces the need for future surgeries, providing patients with a more lasting solution.

Vitamin-E liners retain their long term mechanical performance & demonstrates a 78% reduction in wear when compared to traditional polyethylene.

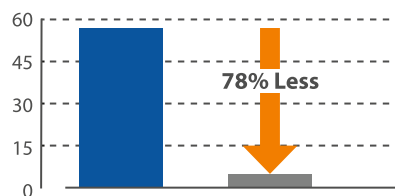
PRESERVED MECHANICAL PERFORMANCE



Vitalite Liners retain their long term mechanical performance

- Tensile Strength (MPa)
- Impact Strength (KJ/m²)
- Ultimate Strength (N)

ABRASIVE WEAR



VitalitE liners demonstrated a 78% reduction in abrasive wear

- Conventional UHMWPE (mg/MC)
- VitalitE (mg/MC)

After a total hip replacement, you can expect your lifestyle to return to be like how it was but without the pain.

ACTIVITIES WHICH CAN BE DONE POST-SURGERY



RETURNING
TO WORK



CLIMBING
STAIRS



SITTING
WITHOUT
PAIN



DRIVING

Please contact a local Shalby MedTech Technology distributor or by calling our customer service line at **+91 63570 07339** or **info@medtech@shalby.org** for information.



SAT Inc.
RESTORING MOBILITY, IMPROVING LIVES.

USA OFFICE :
Shalby Advanced Technologies, Inc.
1115 Windfield Way, Suite 100,
El Dorado Hills, CA 95762.
Ph: 916.355.7100



**SHALBY
MedTech**

INDIA OFFICE :
Shalby MedTech Limited
Wing B, 301-302, Mondeal Heights,
Opp. Karnavati Club, S. G. Highway,
Ahmedabad - 380015