



Advanced Treatment Options for Knee Arthritis

Surgeon Name
Clinic Name
Clinic Address
Clinic Address

Phone Number
Web Address

Total Knee Replacement



Longevity of the implant

OXINIUM™ Oxidized Zirconium

- Zirconium – a biocompatible metal similar to titanium
- The outer surface takes on low-friction ceramic qualities during patented process
- Surface becomes 4,900-times more resistant to the commonly experienced metal abrasion that wears through plastic components
- The oxidized surface reduces plastic component wear by up to 85% when compared to cobalt chrome.



Traditional
implant material

OXINIUM material

Longevity of the implant

OXINIUM™ Oxidized Zirconium

- May extend the life of the implant due to wear
- Weighs 20% lighter than same-sized implant made from cobalt chrome
- Safe for patients with metal allergy
- Appropriate for physically active adults



VERILAST™ Knee Technology

For Knee Replacement
Implants

Traditional Material vs. VERILAST™ Technology

Traditional Material

- Typically combines cobalt chrome with high-density plastic
- Expected to last 10-15 years before wear becomes an issue

VERILAST

- Combination of Smith & Nephew's patented OXINIUM™ metal alloy and “highly cross-linked” polyethylene
- A knee implant technology that combines two low-friction materials



OXINIUM

Cross Linked Poly

VERILAST™ Wear Study

- Smith & Nephew LEGION™ Cruciate Retaining Knee with VERILAST Technology was subjected to extensive lab testing and it surpassed expectations:
 - After 5 million simulated steps, wear was reduced by 98% compared to implants made from traditional materials.
 - After 45 million steps, wear was reduced by 81% when compared to traditional material implants at 5 million steps
 - **45 million steps = 30 years of typical use under normal conditions**

About VERILAST™ Knee Technology

Based on laboratory wear simulation testing, the LEGION Primary Knee System with VERILAST technology is expected to provide wear performance sufficient for 30 years of actual use under typical conditions.

- Results of wear simulation testing have not been proven to predict actual joint durability and performance in people
- Reduction in wear alone may not result in improved joint durability and performance
- Other factors such as bone structure, can affect joint durability and performance and cause medical conditions resulting in additional surgery
- These other factors were not studied

About Knee Replacement Surgery Patient Information

- There are potential risks with knee replacement surgery such as loosening, fracture, dislocation, wear and infection may result in additional surgery
- Do not perform high impact activities such as running and jumping unless your surgeon tells you these activities are acceptable
- Early device failure, breakage or loosening may occur if you do not follow your surgeon's limitations on activity level
- Early failure can happen if you do not guard your knee joint from overloading due to activity level, failure to control body weight or accidents such as falls
- Knee replacement surgery is intended to relieve knee pain and improve knee functions
- Talk to your doctor to determine what treatment may be best for you
- Additional information available at www.RediscoverYourGo.com

Why choose VERILAST™ Knee Technology?