

OXINIUM[◇] Oxidized Zirconium

Making every step remarkable.

What is OXINIUM[◇] Oxidized Zirconium?

If it is determined that an implant made with VERILAST[◇] technology is right for you, the femoral - or thighbone portion - of your implant will be made from OXINIUM Oxidized Zirconium - a patented and award winning ceramicised metal alloy that Smith+Nephew spent more than a decade developing.

During manufacture, OXINIUM implants undergo a process that transforms the implant's surface into a hard, ceramicised metal - while still retaining all of the durability of the underlying metal. In addition to being more durable than a true ceramic, this metal implant's ceramicised surface is more than twice as hard and therefore twice as resistant to the kind of scratching that can cause a cobalt chrome implant to wear out before its time.



Engineering Materials Achievement Award 2005



Everything
Material.[®]

Benefits of OXINIUM[◇]

Oxidized Zirconium:

1. Biocompatibility
2. Durability
3. Strength
4. Corrosion Resistance