

What patients say:



“With the OPL implant and prosthetic, I am the happiest man in the world!”

“I am setting exciting goals again! One day I will walk the Alp d’Huez!”

“In a short space of time, I have gained much more abilities than ever before with a socket prosthetic.”

Osseointegration

Osseointegrated Prosthetic Limb (OPL) implants

Looking for a better solution to improve amputee mobility?

Want the latest innovation to improve patients’ quality of life?



Osseointegration surgery provides amputees with greater mobility, more comfort and a better quality of life.

Give us a call!
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WHAT IS OSSEOINTEGRATION?

Osseointegration is the structural connection between human bone and the surface of a synthetic, usually titanium-based implant.

This surgery provides amputees with a replacement limb using the OGAP-OPL implant, designed to resemble the human anatomy as much as possible. The surgery involves the insertion of an implant into the amputee's femur which, when integrated with the bone, allows for a simple, quick, and safe connection between the stump and the lower-limb prosthesis. Osseointegration surgery provides amputees with greater mobility, more comfort and a better quality of life.

THE OGAP-OPL IMPLANT

The implant surface is made of highly porous titanium, which gives stability right from the start and enables bone integration (ingrowth) in the long term. The biocompatibility of the titanium implant allows the bone to grow inside the surface of the prosthesis, which makes the bone and implant structure one solid unit. This is known as osseointegration.

A dual adaptor connects the internal implant to the external prosthesis. This adaptor has a highly polished and smooth surface to minimise soft tissue friction. It is also coated with niobium-titanium, an alloy with antibacterial properties. The dual adaptor passes through a small opening in the skin at the end of the stump known as the stoma. Externally, the adaptor is fixed to a torque control safety device which is connected to the prosthetic limb.



ADVANTAGES

V.S. SOCKET PROSTHETIC

- ✓ No more socket-related complaints
- ✓ Less pain
- ✓ No more pressure-related tissue damage
- ✓ Freedom of mobility
- ✓ Permanent solution, no more switching sockets
- ✓ Direct surface-to-bone awareness

V.S. OTHER OSSEOINTEGRATED IMPLANTS

- ✓ One-stage surgical procedure
- ✓ Rehabilitation can be started sooner
- ✓ Weight-bearing exercises can be started immediately after surgery
- ✓ Full mobility approximately three months after surgery
- ✓ Incredibly fast healing process

GOOD TO KNOW

- Very few complications.
- No more socket-related pressure and skin damage.
- Better stability, better mobility and better overall comfort.
- As close to the human anatomy as possible.
- Regaining an active lifestyle after amputation: learn to cycle, take long walks, travel: the list is endless.
- Very easy to use: the prosthetic can be put on and taken off quickly. It can be used with all types of prosthetic knee units and lower-limb prosthetic components. No more fiddling around with time-consuming and cumbersome suction cups, socks and liners.

In short: we offer you a system that really improves your quality of life. Reclaim your independence!