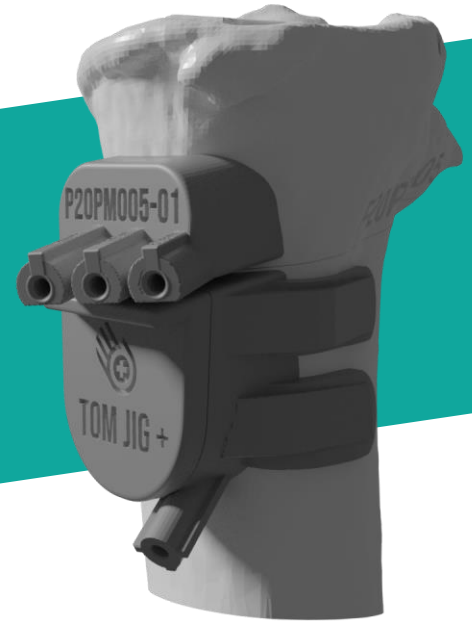


Valgus high tibial osteotomy with addition wedge

Knee replacement is the most commonly used surgery to treat knee osteoarthritis.

However, **tibial osteotomy** may delay, or even avoid, arthroplasty.

One of the most common osteotomies is the one which corrects "genu valgum". In this case, a cut is made at the previously established position. A wedge is then included to correct the valgus angle.



Surgeon	Dr. Vicenta Iglesia Cabaneiro
Hospital	Complejo Asistencial Universitario de León.
Patient	48 year woman.
Pathology	Genu valgum gonarthrosis of the right lower extremity
Treatment	Valgus high tibial osteotomy with addition wedge. 14° valgus angle
System used	TOM JIG® T+ : Anatomical biomodel, personalized surgical guide

Surgical planning

- TOM JIG® T+** surgical guide system is required under a virtual prescription based on 2D CT images.
- DIGITAL ANATOMICS' software is used to calculate the oblique osteotomy plane to obtain the results required by the surgeon.
- The 3D anatomical model is made.
- Personalized surgical guide is designed. Finally, the biomodel and the guide are manufactured via 3D printing.

TOM JIG® T+

Personalized surgical guide for valgus high tibial osteotomy with addition wedge

Surgical process

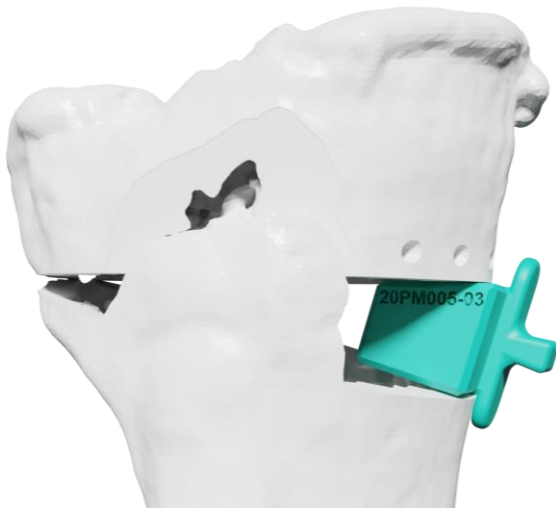
The main purpose of this kind of surgeries is to achieve the correct alignment of the tibia, allowing the internal compartment of the knee to be unloaded. It is also a way to prevent and/or delay the progression of gonarthrosis.

TOM JIG® T+ system enables the fulfilment of that aim.



Performance

The use of **TOM JIG® T+** surgical guide system enabled the execution of the intervention, increasing precision, minimising the risks of neurovascular injury, shortening operating theatre times and decreasing the time of exposure to X-ray radiation.



Planning



Postoperative control

Information about the device. Custom made Medical Device: Device made to be used on a patient by a practitioner for the surgical treatment of a pathology, being an invasive surgical product, transient use class Iia. Rule 6, Annex VIII, MDR.