

## Authors are unanimous. The success of an osteotomy depends on:

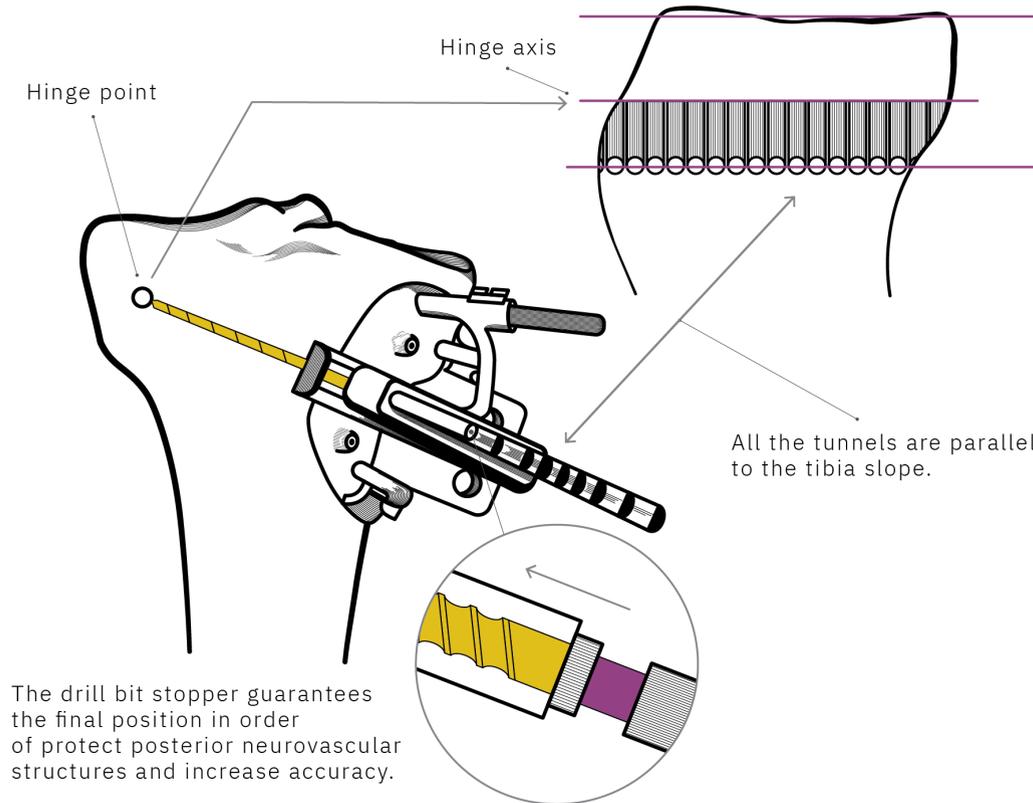
- Images of great quality
- Precise preoperative analysis
- Precise planning
- Precise surgical technique
- Protection of osseous cells
- A well-positioned plate

Fine Osteotomy™ was developed based on that unanimity and on published literature specific to the principles of orthopedic correction. Fine Osteotomy™ is a global approach in which each step is part of the intervention's success and none of them can be neglected, carried out randomly or in a compromised manner.

Fine Osteotomy™ is synonymous with our highly accurate Bodycad proprietary CAD/CAM software. We use the latest technology, including a 3D printed patient-specific surgical guide adapted to the patient as determined by the treating physician. This surgical guide ensures controlled resections resulting in safe, accurate osteotomies that respect the hinge axis. It also includes a plate that is perfectly adapted to the patient's situation and osteotomy that matches the angular correction chosen by the treating surgeon.

## Safety and Accuracy.

By controlling the depth and orientation, Fine Osteotomy™ increases the safety of the procedure and gives the surgeon better control to ensure protection of the posterior structures of the knee while maintaining an accurate osteotomy. The unique combination of 3D planning and controlled, accurate resections ensures that the planned hinge axis and planned posterior slope are obtained, resulting in a more predictable outcome.



## Personalized plate.

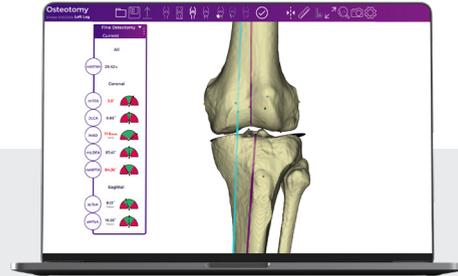
Personalized plate to ensure that planned correction is not compromised:

- Plate contours to patient's bone anatomy
- Shape of the plate is customizable by surgeon
- Titanium wedge as planned for optimal correction
- Titanium wedge sits only on the cortical bone
- No plate bending

## Fine Osteotomy™ offers you:

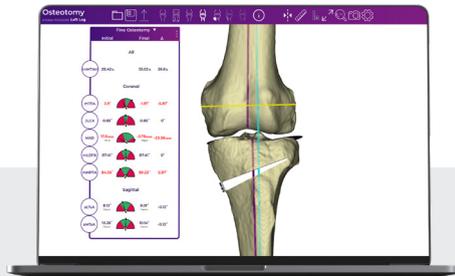
-  3D analysis of the patient's pre-op situation
-  Personalized plate
-  Design of PSI and PSP
-  Matching screws for the personalized plate
-  3D printed bone model
-  Greatly reduced use of radiation in the OR
-  Personalized surgical guide
-  Personalized design leading to better outcomes/accuracy

# An example Fine Osteotomy™ case



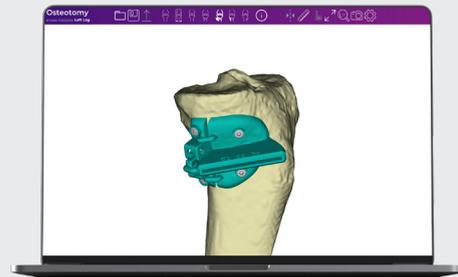
## 1. Visualization of the initial situation of the patient.

Mechanical axis passed through a pre-operative Mikulicz point of 28%.

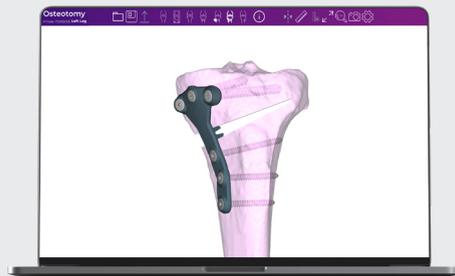


## 2. Planning of the angular correction.

Open-wedge of 9.25 mm planned to obtain a mechanical axis passing through a Mikulicz point of 55%.



## 3. Design of the patient-specific cutting guides.



## 4. Design of the patient-specific plate along with the position and length of the screws.



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**Fine  
Osteotomy™**

Everything we do, we believe in challenging the status quo!

**bodycad**