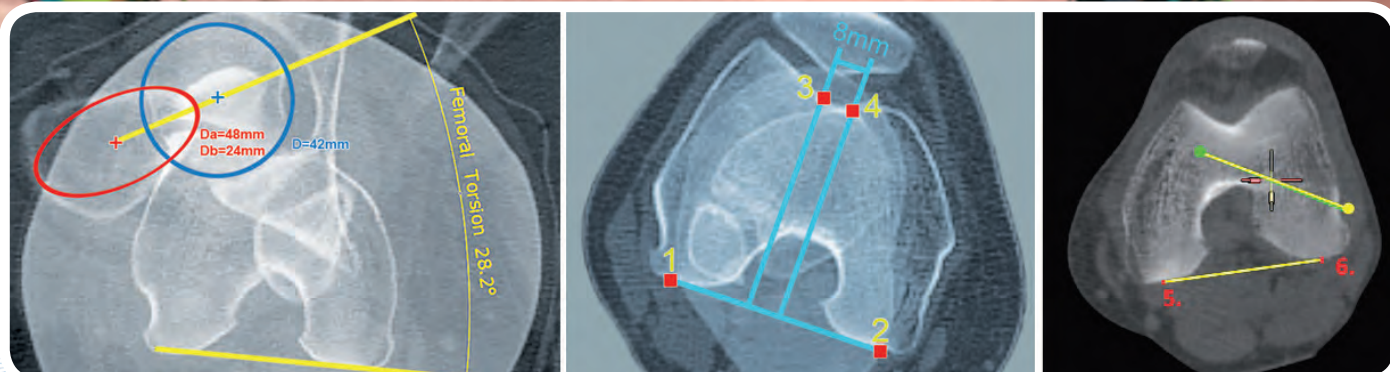


mediCAD[®] Knee 3D Sport

Digital preoperative planning - for a healthy, athletic knee



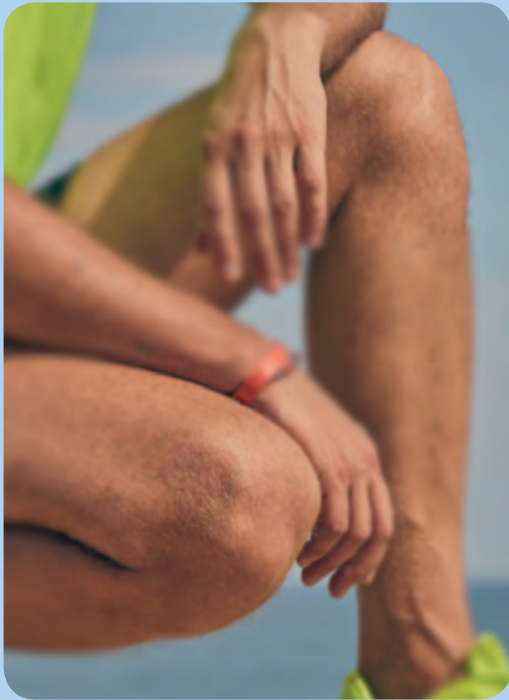
Patellofemoral Measurements

Corrective Osteotomy

Imaging: CT, MRI, CBCT, X-ray

2D / 3D





mediCAD® Knee 3D Sport

Preoperative software for measuring the patellofemoral joint in cases of anterior knee pain and patellofemoral instability, as well as the planning of corrective osteotomies.

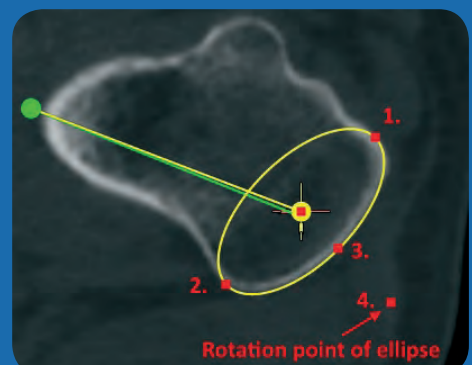
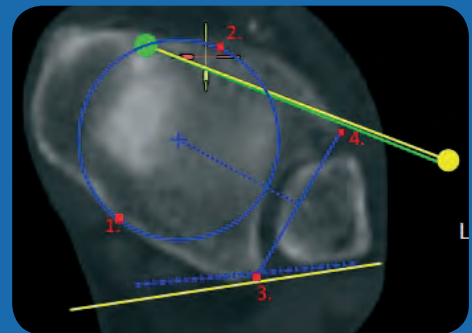
Two special features of mediCAD® Knee 3D Sport include modules for „Patellofemoral Measurements“ and „Corrective Osteotomy“, which quickly allow you to measure pathologies at both the tibiofemoral and patellofemoral joints and to plan treatment by means of an osteotomy.

Patellofemoral Measurements

Some of the pathologies of the patellofemoral joint relate to patella tracking. A luxating patella is unpleasant and painful. Misalignments can be easily dimensioned with the measurements listed below.

Measurement Options:

- Measurement of TT-TG distance
- Measurement of TT-PCL distance (using MRI)
- Sulcus angle
- Trochlear depth
- Measurement of leg axis
- Determination of patella angle
- Definition of patella height (Insall-Salvati, modified Insall-Salvati, Caton-Deschamps)
- Femoral torsion (according to Waidelich and Schneider)
- Tibial torsion (according to Waidelich and Jend)
- Trochlear classification according to Dejour (to complete the documentation)



Corrective Osteotomy

A corrective osteotomy addresses problems in the patellofemoral joint, among others. In patellar tracking due to a malrotation of the distal femur, maltracking can be corrected with a derotation osteotomy.

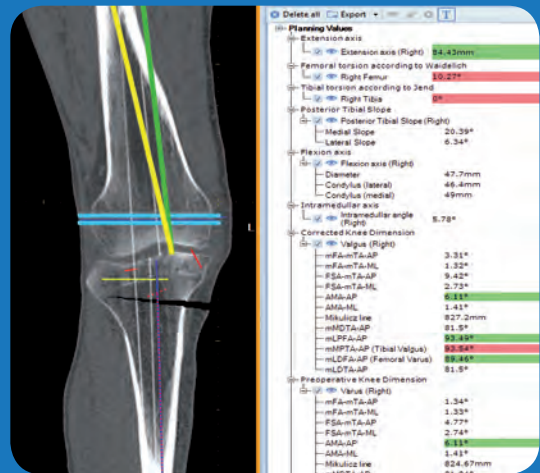
HTO and DFO correct a varus or valgus malposition in order to relieve an affected compartment.

The single-cut osteotomy is the gold standard and addresses both rotational malpositions and deformities in the frontal axis.



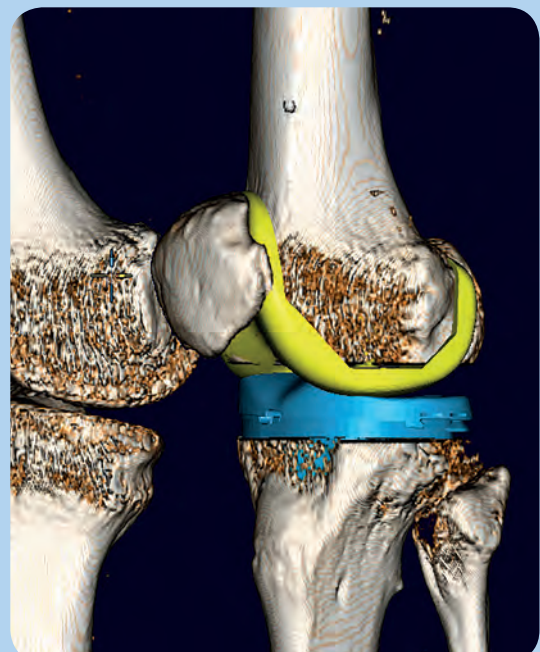
Measurement and planning options:

- Measurement of the leg axes including femoral and tibial torsion
- Measurement of the tibial posterior slope
- Planning a HTO or a DFO
- Planning a biplanar osteotomy
- Planning a derotation osteotomy
- Measurements and planning in 2D and 3D
- Imaging: CT, MRI, CBCT, X-ray

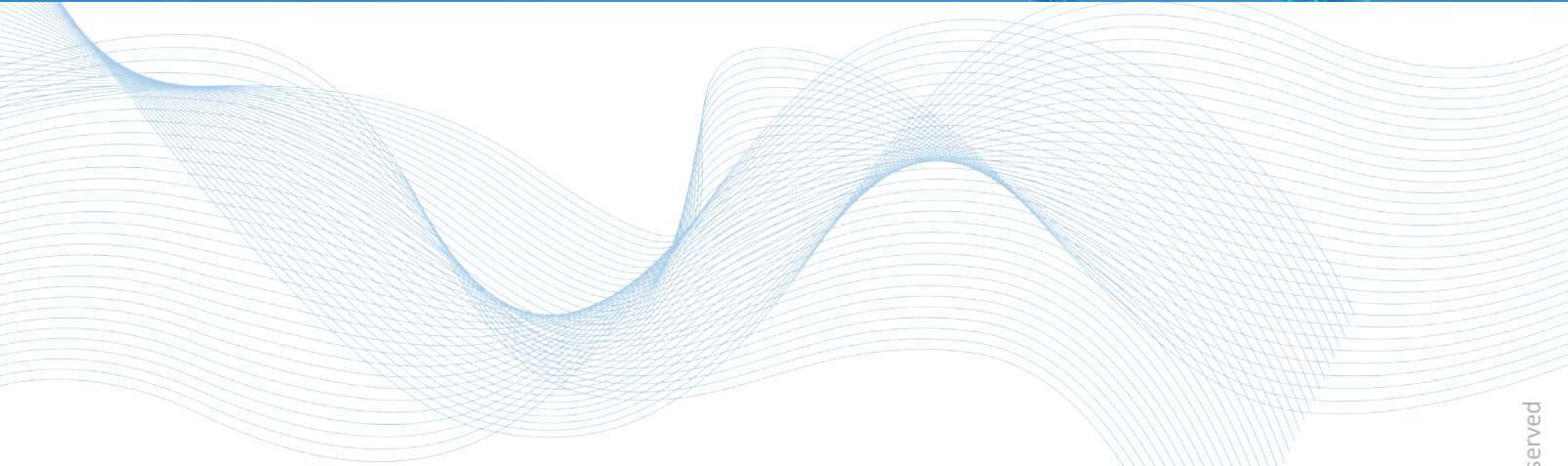


mediCAD® Knee 3D was developed in close collaboration with knee surgery specialists. The core mission of our company is constant development and improvement. If you have any questions, suggestions or information concerning the software module, please do not hesitate to contact us at any time.

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Get ready for the mediCAD[®] of the future



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