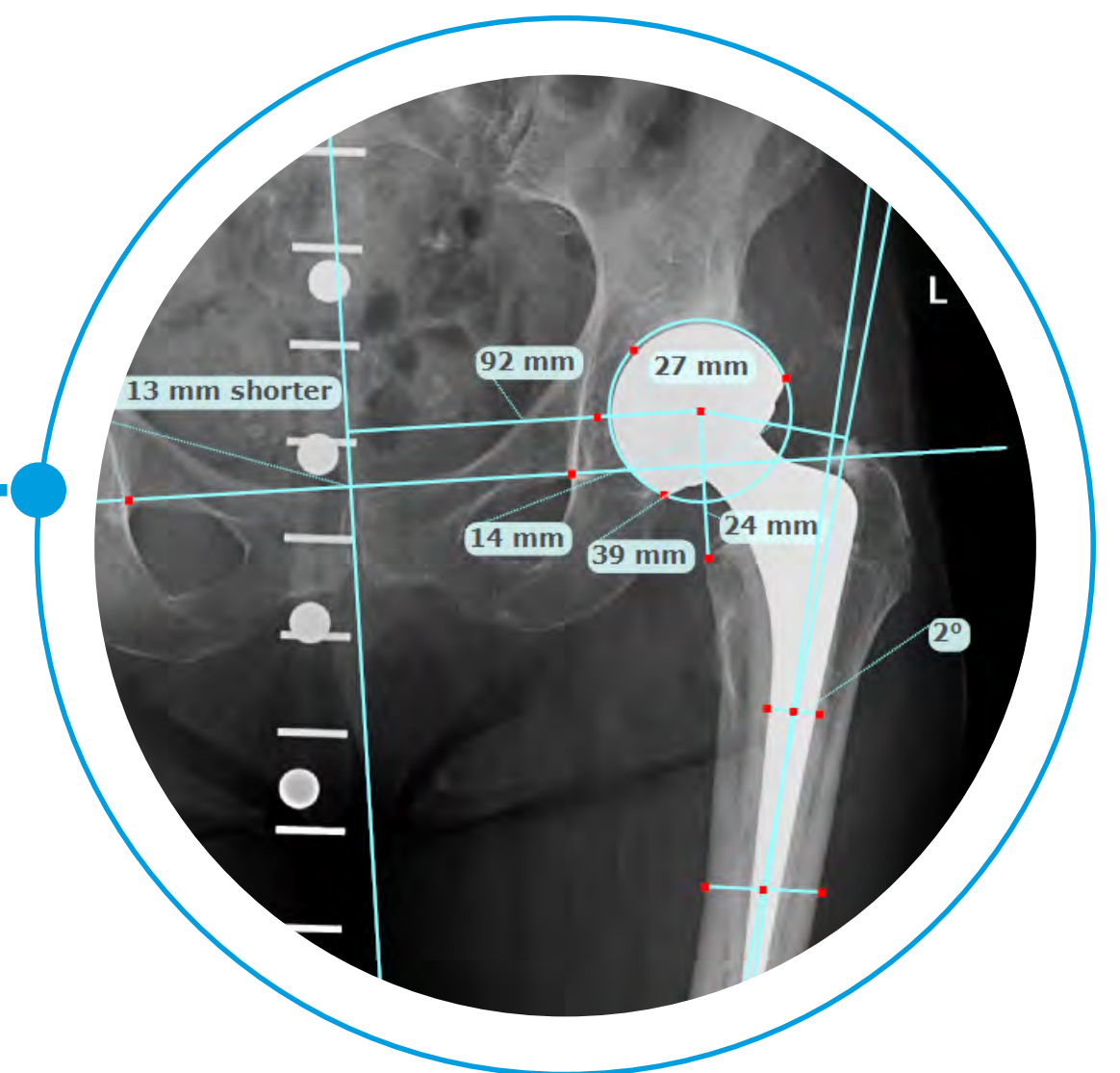# TraumaCad® JOINTS

AUTOMATIC HIP REPLACEMENT PLANNING

TraumaCad automatically aligns implants to their anatomic landmarks, performs a virtual resection and assembles components at their attachment points to calculate the resulting leg length and offset.

Offset changes: 3 mm
Leg length changes: 5 mm
20.6 mm
8 mm
0°
Left leg is 2 mm longer

LEG LENGTH AND OFFSET OPTIMIZATION

The physician can vary the component size and position, and see the impact on leg length and offset on the reduced hip.
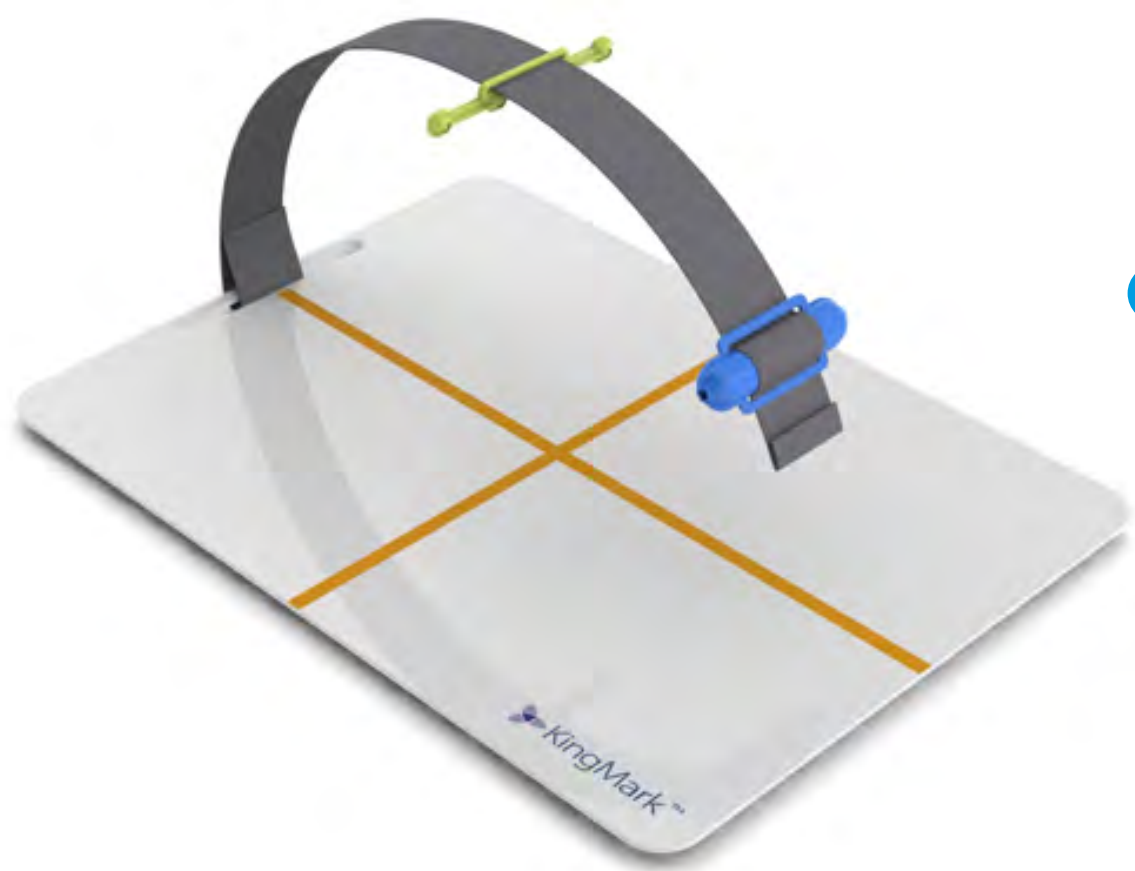
POST OPERATIVE EVALUATION

TraumaCad determines acetabular cup anteversion and inclination as well as femoral neck shaft version and inclination on the post-op AP x-ray.

13 mm shorter
92 mm
27 mm
14 mm
39 mm
24 mm
2°

DOUBLE MARKER CALIBRATION DEVICE FOR AP PELVIC IMAGES

In clinical testing, KingMark has been proven to be four times more accurate than conventional single-ball markers. TraumaCad automatically detects the anterior and posterior markers, and determines magnification at the hip joint more accurately across varying patient sizes.
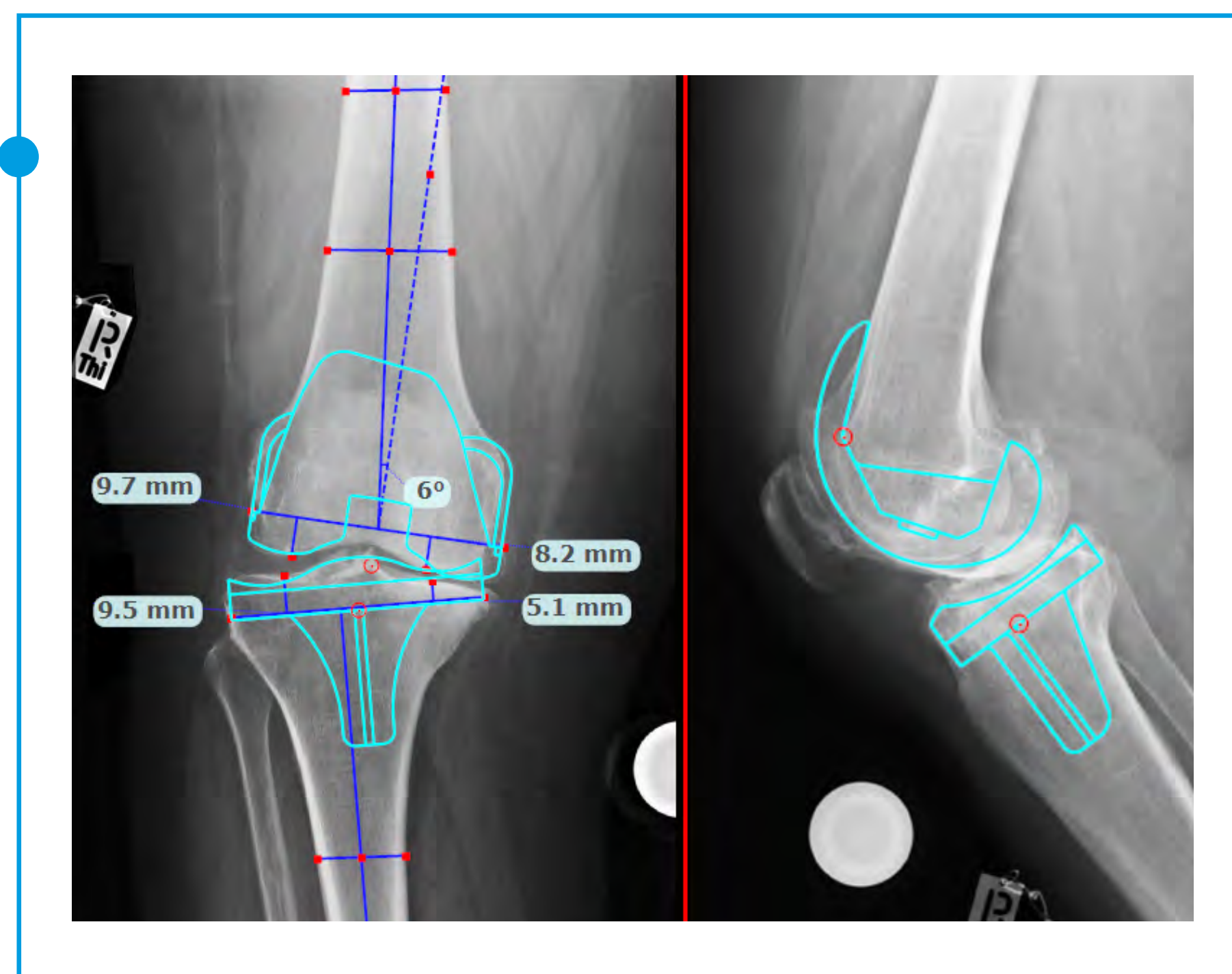
Click for
HIP DEMO

BRAINLAB

TOTAL KNEE REPLACEMENT

Plan for optimal alignment, assess joint line preservation, and predict component sizes with the TraumaCad knee module.

The knee resection wizard quickly determines medial and lateral resections on both tibia and femur as well as overall mechanical alignment. The wizard is available both for AP knee and long leg images.
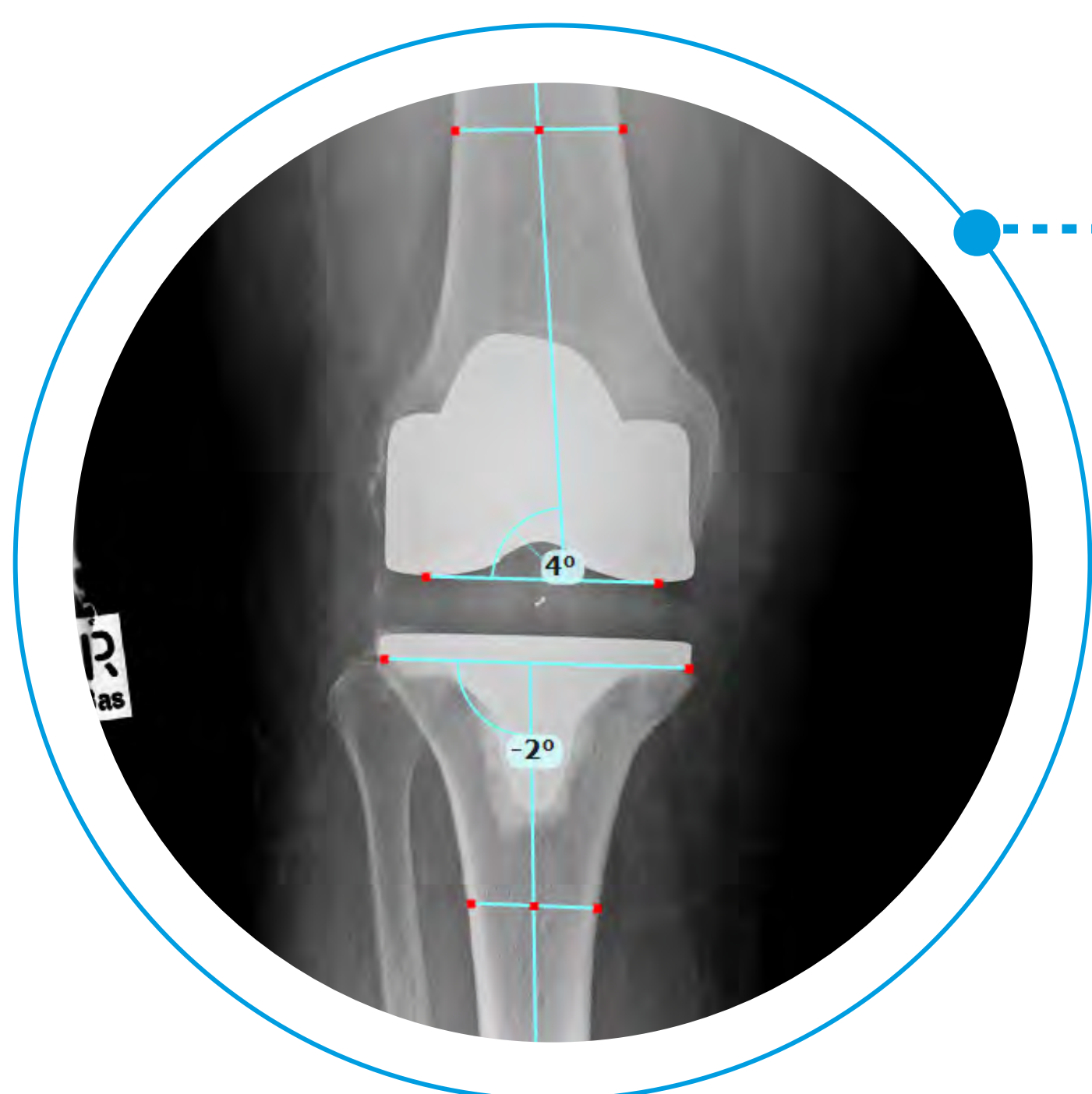
View AP and lateral x-rays simultaneously to plan resection, alignment, and size in both views.
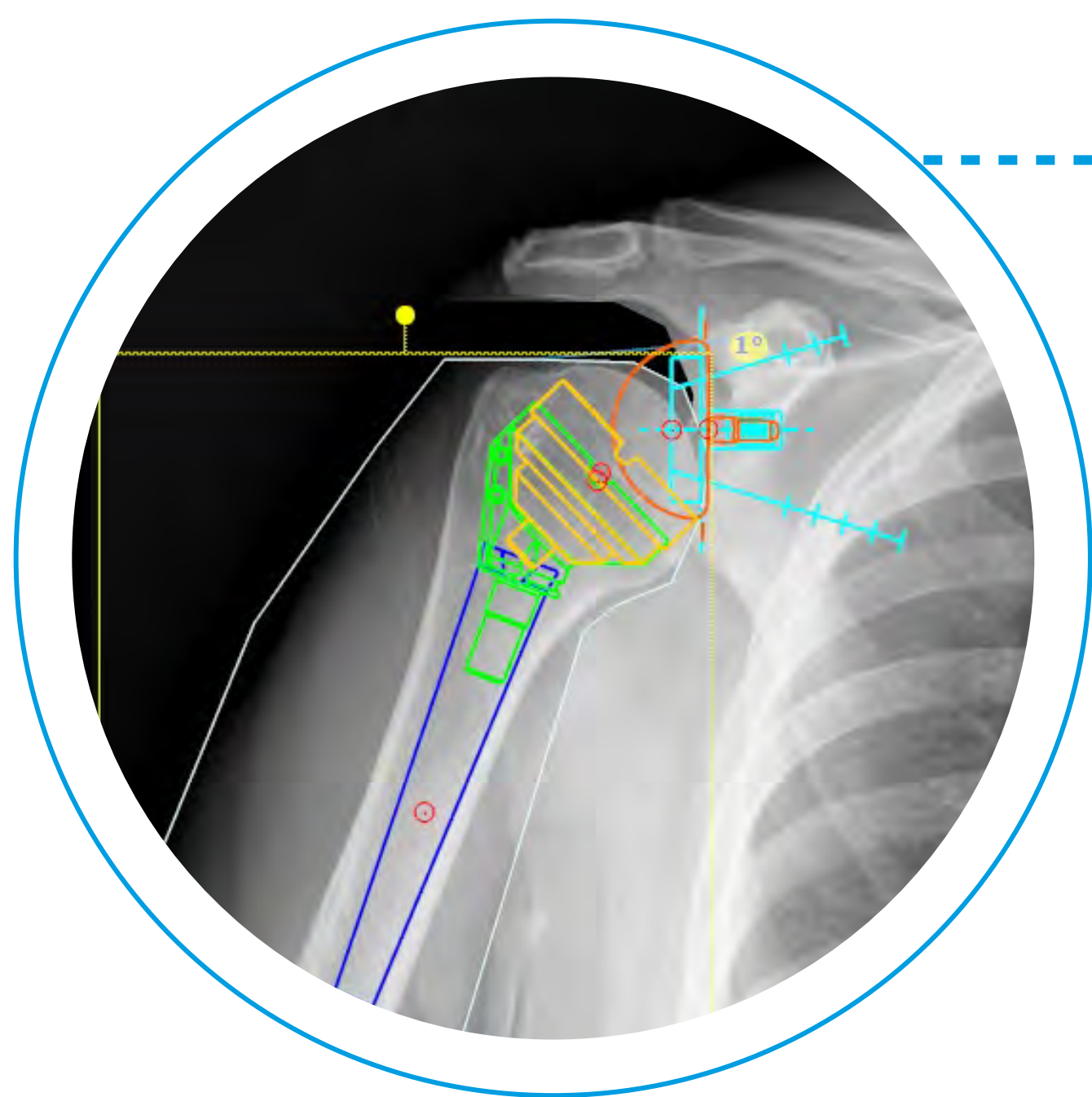

KNEE POST-OPERATIVE OUTCOME

The post-operative Knee Outcome wizard is used to evaluate post-op alignment of femoral and tibial implants. In the AP view, varus / valgus alignment is determined.
In the lateral view, flexion/extension and posterior slope are shown. The outcome results are displayed in a table and saved to the report.

Click for
KNEE DEMO

BRAINLAB

TraumaCad® JOINTS

UPPER LIMB

UPPER EXTREMITIES PLANNING

A complete database of shoulder, elbow, wrist, and finger prosthesis are available to plan various upper limb procedures, including standard and reverse shoulder replacement.

Pre-define surgical kits with your favorite implants, and place them on the image with a single click.

Save back to the PACS or Quentry cloud service. This short and intuitive workflow will save you valuable planning time and improve intraoperative workflows.

Click for
30 DAY TRIAL

BRAINLAB