

FAQ ROBIN

ROBIN SYSTEM

- **Which prosthesis can be navigated with ROBIN?**
 - ROBIN is an open platform that includes a database with more than 20 different implants. Thanks to our universal module for TKA, you can also perform surgery without any specific implant information. Limb alignment, ligament balancing, accurate resections with the maximum freedom. Therefore, it is suitable with all implant designs. This means you won't be linked to a specific implant model or company.
- **Which workflow I have to follow in your platform?**
 - ROBIN is designed to adapt surgeons' needs. You can customize your workflow based on your preferences and requirements.
- **Is surgery summary accessible after surgery?**
 - Yes, after surgery it generates a password protected PDF with all the surgery parameters and screenshots that are saved on the system that can be exportable.
 - In addition, Robin allows to download surgery folder containing all info related to that specific procedure, from screenshots to technical data. Very useful for research and data management
- **What instrumentation set is compatible with the system?**
 - It is compatible with all the conventional surgical instruments.
- **What kind of pins do you use to fix the references on the bone?**
 - The references are mounted on the bone with pins (3.2mm Ø).
- **Is the registration phase done by bone morphing?**
 - No, the registration is done by digitizing landmarks on the bone.
- **Which robotic surgeries are possible with ROBIN?**
 - It is possible to perform robotic TKA with ROBIN.

MIRO' Application:

- **Is it necessary to perform pre-op imaging for ROBIN?**
 - No, it is an imageless system, but you could import the plan to the system.
- **Is it mandatory to plan the surgery preoperatively?**
 - No, it isn't mandatory, but you could import the plan to the system. And also, you can do patient specific planning intraoperatively that can be adjusted.
- **Can I do ligament balancing using ROBIN?**
 - Yes, ligament balancing could be done pre-cut and after resection.
- **Can I do limb alignment using ROBIN?**
 - Yes, limb alignment could be done with pre-op condition, and then with final implant and the trial implant in full range of motion. It is also possible to compare the pre-op and post-op condition of limb and record the results. The implant positioning could be done based on limb alignment. All this information is saved on the system and also available in the final report of the surgery.
- **Is it possible to do kinematic alignment?**
 - Yes, it is available as a preset option, that also considers cartilage damage to regenerate the native joint-line.
- **Is ROBIN suggest sizing of the components in TKA?**
 - Yes, in femoral planning the system suggests the possible femoral component size based on the information



- **Is it possible to validate the performed cut in the OR?**
 - Yes, you can verify the cuts intra-operatively after resection.
- **Is it possible to adjust rotation of femoral component?**
 - In the planning, it is possible to position the femoral component.
- **Is it possible to check the kinematics of the knee?**
 - The system has a module dedicated to the kinematics of the limb, it is possible to evaluate and record the knee kinematics and stability of the knee in full range of motion, that can be used as a research tool. This module is also accessible during the TKA.

HOPPER Application:

- **In THA, can I navigate the cup?**
 - ROBIN has a dedicated module to monitor inclination and anteversion and depth of the reamer and of the trial and definitive cup respect to the defined anatomical reference frame. (Cup Positioning Module)
- **Is it possible to navigate both reamer and impactor?**
 - Yes, the navigated instrument set includes two clamps that can be attached to a conventional reamer and impactor, allowing these instruments to be navigated. The system is compatible with all conventional surgical instruments.
- **Is it possible to navigate the COR displacement with ROBIN?**
 - ROBIN allows to measure COR displacement starting from few anatomical data. (included both in Cup navigation Module and in Offset and Length modules).
- **How does virtual offset and length simulation work?**
 - Based on the measured global offset and length displacement obtained with the current component combination, it is possible to simulate the variation related to any possible head and neck combination.
- **Can I perform anterior approach?**
 - It is possible to use ROBIN with any surgical approaches.
- **Can I position the patient in lateral?**
 - ROBIN can be used with the patient in both the supine and lateral positions
- **Do I have to navigate the cup?**
 - No, you are free to decide to only check offset and length or you can also navigate the cup positioning. All modules can be used individually or together to respond to surgeon's needs