Medacta’s core philosophy is based on the belief that innovation is the key to success. This leads to a constant effort towards the development of cutting edge solutions for orthopaedics.

MyKnee® is a patient-specific cutting block, allowing the surgeon to realize his pre-operative 3D planning, based on CT or MRI images of the patient's knee. This innovative concept combines different features giving potential benefits to both the surgeon and the patient.

- Accurate implant positioning
- No intramedullary canal violation
- Up to 60% reduction of surgical steps for bone resection and related time
- Potentially one extra case per surgery session
- Up to 66% reduction of time and cost in washing, assembling and sterilization procedures
- Interactive 3D web planning

**SPECIAL FEATURES OF MYKNEE®:**
- Actual Cutting Blocks: not only pin positioners
- CT or MRI based
- Online case management
- Complete minimally invasive technology ensuring the assistance of a personal MyKnee® technician and only 3 weeks lead time!

**MYKNEE® ADVENTURE**

1. Medacta® receives the CT or MRI images of the patient’s leg.
2. A virtual positioning of the implant is proposed to the surgeon who can modify the planning as he wishes.
3. Starting from the 3D reconstruction of the joint and following the surgeon’s preferences, the MyKnee® preoperative planning is performed.
4. Once the planning has been validated by the surgeon, the in-house manufacturing process starts.

**MYKNEE® EDUCATION PROGRAM**

- 1st step: The Reference Center
  Available in several countries worldwide you will have the opportunity to visit a Reference Center and attend live MyKnee® surgeries.
- 2nd step: The Learning Center
  The MyKnee® Learning Center offers you the opportunity to attend live MyKnee® surgeries, meet experienced surgeons and discuss the clinical and economical aspects of MyKnee® technology.
- 3rd step: Support
  Upon request you will receive the assistance of an experienced reference surgeon to assist with your first surgeries in your own hospital.
- 4th step: Continuous Education
  You can continue your education through gMK® and MyKnee® case meetings, M.O.R.E. international events, reference center visits and other educational tools.

**HOW TO START WITH MYKNEE®**

1. Contact Medacta® and we will arrange the Education Program for you!
**P A T I E N T  M A T C H E D  T E C H N O L O G Y**

**ACCUrate Implant Positioning**

The MyKnee® cutting blocks are made to accurately match the surgeon's preoperative planning performed based on individual patient’s anatomy and his mechanical axis to validate intraoperatively the actual positioning and axial alignment of the blocks.

**NO INTrAMEDuLLAR Y CANAL ViOLATION**

**ACCUrate Implant Positioning**

Unmistakable positioning: The guides allow a drop rod to be connected, allowing you to use a telescopic alignment rod. Distinct references: the osteophytes.

**MEAN HEMOGlObIN lOSS (g/dl)**

No IM jigs

135

Having less blood loss allows the hospital structure and patient operated comparing using intraMedullary jigs with less risk of emboli.\[14\]

**53**

Less bleeding\[13\] and related time\[1\]

**P A T I E N T  M A T C H E D  T E C H N O L O G Y**

**ACCUrate Implant Positioning**

The MyKnee® guides are positioned on the bone referring to IM jigs to save money associated with transfusions. The bone resections are performed directly through the slots and all the checks can be done intraoperatively. The bone resections are performed directly through the slots and all the checks can be done intraoperatively. The bone resections are performed directly through the slots and all the checks can be done intraoperatively. The bone resections are performed directly through the slots and all the checks can be done intraoperatively.

**UP TO 60% REDUCTION OF SURGICAL STEPS FOR BONE RESECTION AND RELATED TIME**

Only 2 surgical steps were needed using MyKnee® cutting guides. Six steps were saving more than 3 steps. Having a smaller number of surgical steps may reduce the overall surgical time, improving overall operative room efficiency. Only 2 surgical steps were needed using MyKnee® cutting guides. Six steps were saving more than 3 steps. Having a smaller number of surgical steps may reduce the overall surgical time, improving overall operative room efficiency.

**INTERACTIVE 3D WEB PLANNING**

The MyKnee® preoperative planning is based on the surgeon’s specific preferences and submitted to the surgeon for approval through an interactive website available at https://myknee.medacta.com. The MyKnee® preoperative planning is based on the surgeon’s specific preferences and submitted to the surgeon for approval through an interactive website available at https://myknee.medacta.com.

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