

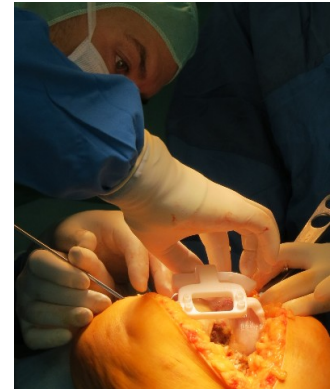
# Patient Specific Cut Block System

Custom made instrumentation for TKR



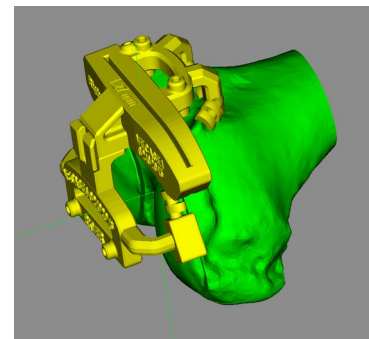
*„The best CT-based patient specific cut block which I know“*

Dr. Hagen Hommel, DE



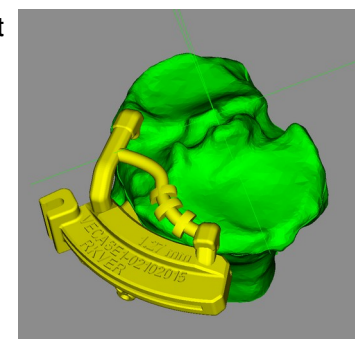
## Clinical Usage

- Clinically validated in hundreds of cases
- Additional structures prevent malposition
- Instruments can be autoclaved in hospital
- Production time between 4-6 weeks



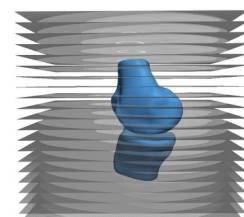
## Key Design features

- Cut guidance directly in the 3D printed block
- Femur block can be split apart to allow a better view for the distal cut after positioning
- Flexible adjustments to implant and instruments
- Pin-compatibility with existing instrument sets
- Packaging can be individualized and allows options to be included



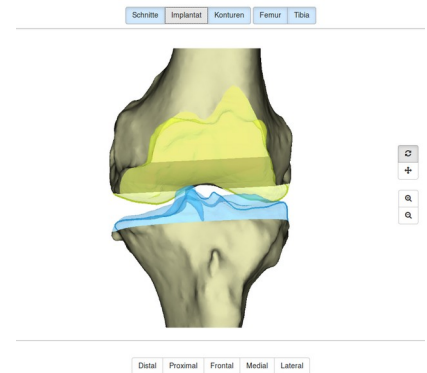
## CT based

- Efficient low dose CT protocol, developed with radiologists and orthopedic surgeons
- Exact reconstruction of the needed structures and landmarks



## Webbased 3D planning

- No installation of software nor plugins necessary, software runs in any common browser
- Surgeon starts with a first proposal and can then fine-tune every parameter
- 3D planning screen for patient individual adjustments
- Software guarantees implant specific must-have parameters
- Planning report can be exported as a simple pdf
- Case by case ordering of additional instruments, e.g. 4in1 cut blocks for up/downsizing or femur/tibia bone models
- Fully validated planning software



MEDivation  
Patient specific instruments

Planning TESTC1-06021957-LKP-PER

Test Case: 06.02.1957 Left Knee

Implants: Femur: PS Femur, Tibia: Fixed Tibia

Leg-Axis HKA: Pre-op axis: 0°, Planned axis: 0°

Pre-op values (from CT reconstr.): Femur: 1° valg, 4° ext (epicond.), Tibia: 4° var, 8° slope

Cuts | Implant | Contours | 3D View

## Cockpit for implant manufacturer

- Complete overview of all cases ongoing / completed
- Planning of each case can be checked
- Full control of surgeon onboarding
- Implant manufacturer specific web design

Fälle exportieren als CSV | Ärzte verwalten

Alle anzeigen

Suchen

Operations-termin	Status	OP-Technik	Sägeblatt-dicke	Femur	Tibia
31.03.2016	SurgeonPlanningDelayed	Femur-First	1.27 mm	-	-
25.11.2015	AlignmentDone	Femur-First	1.27 mm	-	-
27.11.2015	AlignmentDone	-	-	-	-
03.03.2016	SurgeonPlanningDelayed	Femur-First	1.27 mm	-	-
03.03.2016	SurgeonPlanningDelayed	-	-	-	-
07.03.2016	SurgeonPlanningDelayed	Femur-First	1.27 mm	-	-
31.03.2016	CutBlockDesignDone	Bandspannung	1.27 mm	7 <sub>h</sub> [6a,8a]	6,[5,7]

For further information, please contact us:

**Medivation AG**  
**Stahlrain 2**  
**CH-5200 Brugg**  
**contact@medivation.ch**