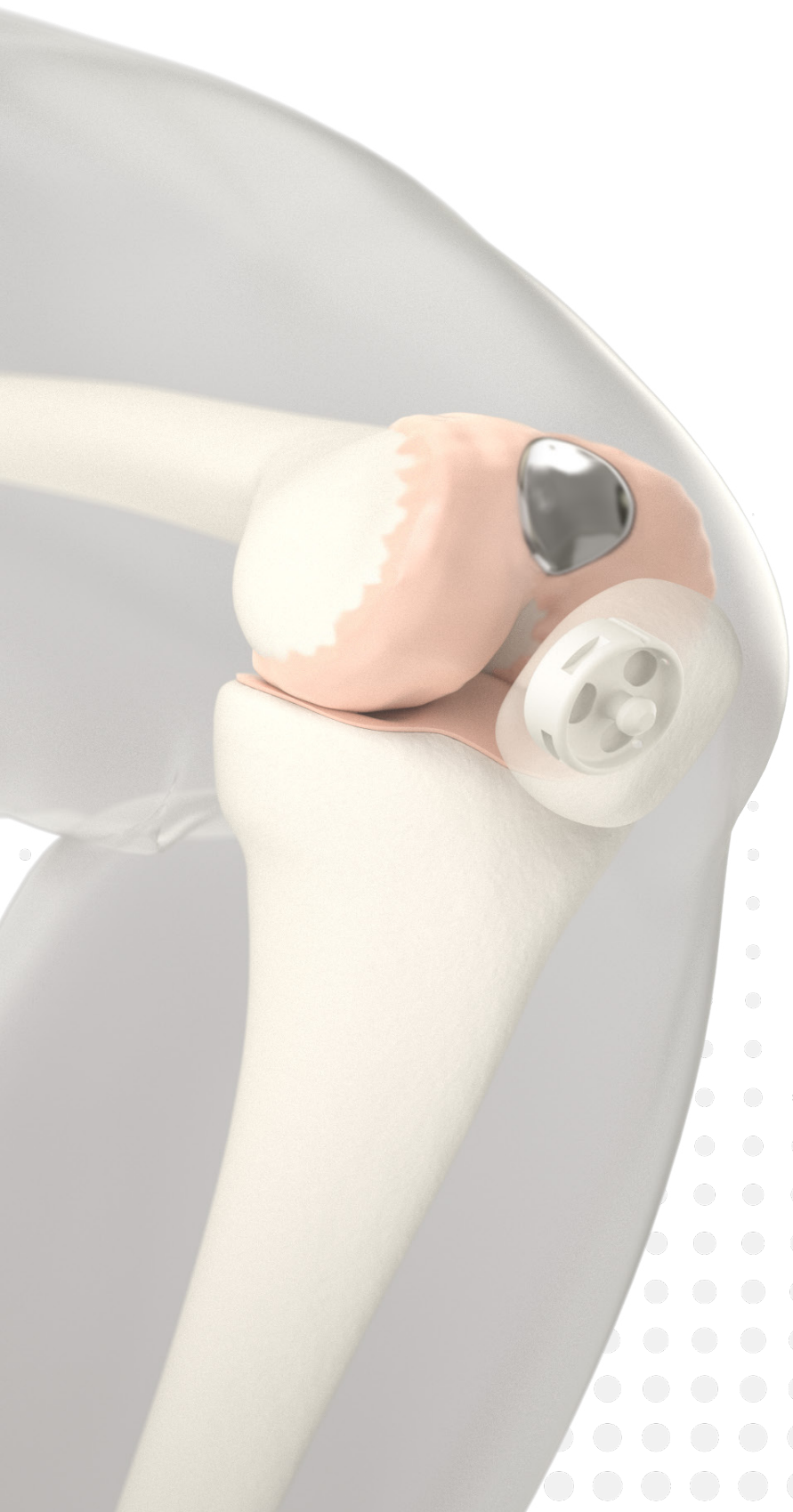
EPISURF Medical



EPISEALER® PATELLOFEMORAL SYSTEM

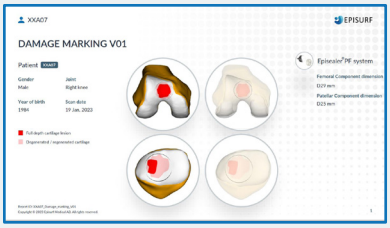
A PERSONALIZED IMPLANT SYSTEM FOR THE TREATMENT OF OSTEOARTHRITIS IN THE PATELLOFEMORAL JOINT

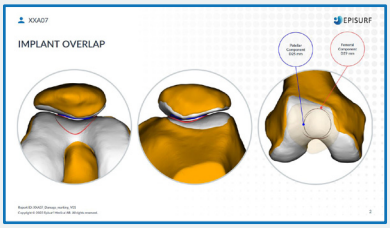
THE EPISEALER® PATELLOFEMORAL SYSTEM - INTENDED USE & COMPONENTS

The Episealer® Patellofemoral System is intended for patients with osteoarthritis limited to the distal patellofemoral joint, patients with a history of patellar dislocation or patellar fracture, and those patients with failed previous surgery (arthroscopy, tibial tubercle elevation, lateral release, etc.) where pain, deformity or dysfunction persists.

The system consists of two implant components (the “Femoral Component“ and the “Patellar Component”) as well as their corresponding instruments. The Femoral Component can either be of a circular shape, or with an elongated shape formed by two overlapping circles.

The two implant components are intended to be inserted in articulating positions in the patellofemoral joint.





DAMAGE MARKING REPORT - PRE-PLANNING YOUR SURGERY

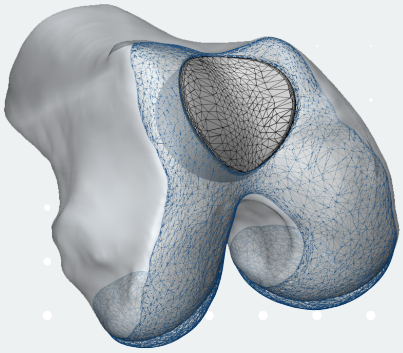
We know how important patient selection is when it comes to patellofemoral replacement. Intended to help ensure you are pairing the right patient with the right surgery, Episurf will provide an MR-based 3D visualization of the knee. This *Damage Marking Report* enables you to explore your patient’s individual level of damage and assess the suitability for the Episealer® Patellofemoral System. The report includes a 3D visualization of the cartilage damage, subchondral bone damage (such as bone edema and cysts), signs after previous surgeries, (osteo)arthritic signs and other pathologies.

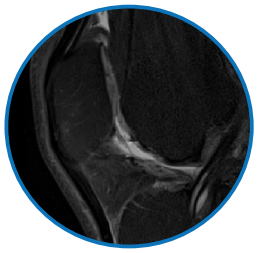
A suggested implant pre-planning visualization is provided, showing the exact planned position of the implants. This positioning can be fine-tuned further through communication between yourself and Episurf.

PERSONALIZED SURFACE GEOMETRY

The implants are personalized and designed to match each other´s articulating surfaces.

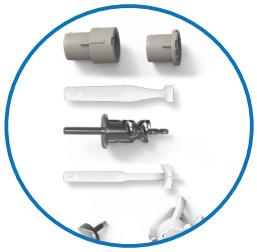
Thanks to the personalized approach, both the thickness and surface geometry of the two implants are adapted to fit your patient’s unique anatomy.



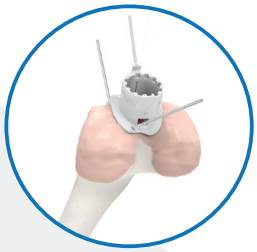


The implant components and associated instruments are designed based on MRI data of the patient's knee. Using a tailored 3D MRI sequence as well as conventional (2D) diagnostic sequences, geometric acquisition and (osteo)chondral damage assessment are obtained.

The MR images are used to create a virtual 3D model of the knee included in a Damage Marking Report. You will be able to review any potential implant solutions that Episurf can offer and modify the suggested solution if needed. The report is delivered through µiFidelity®, Episurf's online management system.



Once an implant solution has been approved, the implants and instruments are designed and produced.



All implants and instruments will arrive sterile to the site of care. Thanks to their personalized design, all instruments are single-use. No reprocessing and/or storage space will be needed for any Episurf equipment.

IMPLANT	SIZE	PRODUCT NUMBER
Femoral Component Solo D20	D20 mm	31120PF
Femoral Component Solo D25	D25 mm	31125PF
Femoral Component Solo D29	D29 mm	31129PF
Femoral Component Twin 2 x D17	2 x D17 mm (length: 26 mm)	51117PF
Femoral Component Twin 2 x D20	2 x D20 mm (length: 29 mm)	51120PF
Femoral Component Twin 2 x D25	2 x D25 mm (length: 35 mm)	51125PF
Patellar Component	D20 mm	61120PF
Patellar Component	D25 mm	61125PF

EPISURF
Medical

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