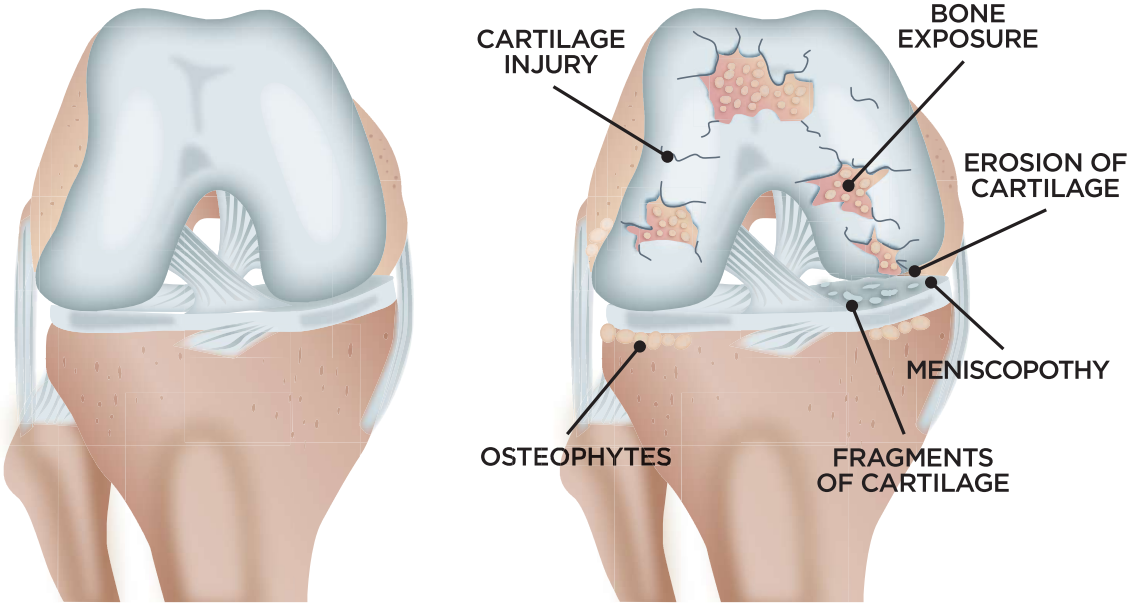
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ORTHOPAEDICS

FOCALPLASTY™: OVERVIEW OF THE TARGETED APPROACH

Knee Pain and Cartilage Damage

Knee pain limits your ability to live an active lifestyle and can keep you from performing normal activities of daily living. Damage to the articular cartilage (the cushioning that covers the ends of the bones in the knee joint) is a common cause of knee pain and debilitation.



What Causes Cartilage Damage?

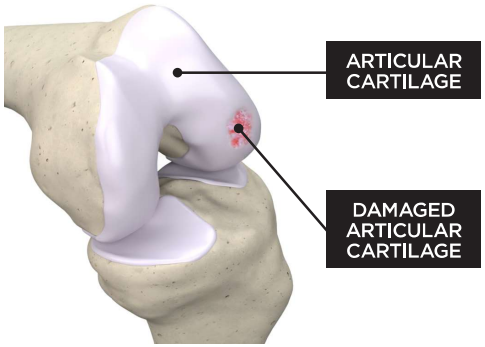
Knee pain limits your ability to live an active lifestyle and can keep you from performing normal activities of daily living. Damage to the articular cartilage (the cushioning that covers the ends of the bones in the knee joint) is a common cause of knee pain and debilitation.

A traumatic injury can result in a focal cartilage defect. A misaligned joint can result in extensive cartilage erosion noted on both sides of the affected joint.

Osteoarthritis (OA) is deterioration of articular cartilage and bone in major joints.

Focalized Cartilage Damage

Even small, focused areas of damaged cartilage can be painful and debilitating. A small cartilage injury, if not treated, can increase in size and lead to extensive cartilage loss over time.



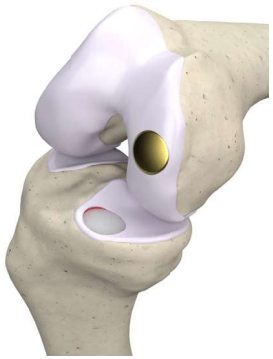
Treatment Options for Cartilage Damage

Depending on the extent of the cartilage damage, age, and activity level, treatment options for this clinical problem will vary. Patients who fail nonoperative treatment strategies are often indicated for surgery. For surgical patients, options include knee arthroscopy, autograft cartilage transfer, allograft cartilage transplant, cartilage cell implantation, partial knee replacement, or total knee replacement. However, studies have shown more favorable and durable results with the use of focal, metallic implants over cell and tissue-based treatment options.[1,2] Until recently, there was a gap in treatment of cartilage injuries that existed between cell and tissue-based treatment and total knee replacement. This gap has been addressed with the OvertureTi Knee Resurfacing System.



OvertureTi™ Knee Resurfacing System

The OvertureTi Knee Resurfacing System is an FDA approved implant which allows the surgeon to treat only the damaged area of cartilage that is causing pain and replace it with small, metal and plastic implants while keeping your normal cartilage, ligaments, and bone intact. It is much less invasive than knee replacement and less risky than using biological options.



Why the OvertureTi Knee Resurfacing System May Be Your Best Option

- The system targets the diseased part of the knee joint and preserves the healthy cartilage and surrounding tissues allowing for faster recovery and a more natural-feeling, stable knee.
- Tissue/cell-based options can have inconsistent results.[3]
- Biocompatible, 3D printed, porous titanium baseplates mimic the bone's natural structure allowing the bone to grow into the pores and secure the implant.
- Low-profile design is bone-sparing to keep more of your native bone.

FEMORAL IMPLANT FEATURES

TIBIAL IMPLANT FEATURES

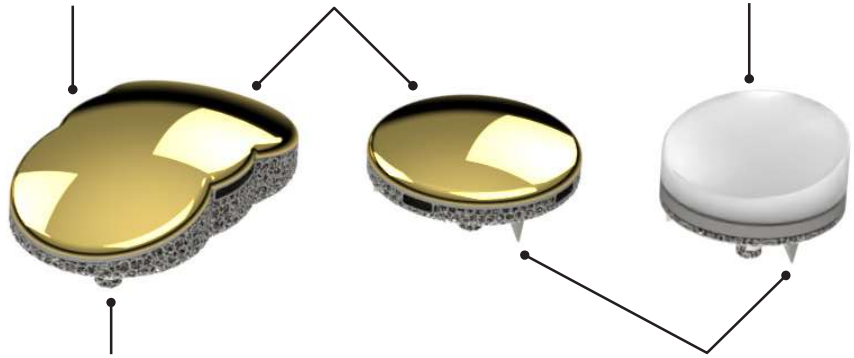
Ceramic coating is nickel free, minimizes wear and adds longevity to the implant.

Technologically advanced 3-D porous titanium material is bone-friendly, allowing in-growth of bone for optimal stability.

Round and oblong shape and size offerings to best treat various cartilage defects.

Long-wearing, cross-linked polyethylene bearing surface with decades of proven durability in orthopedic surgery.[4]

Angled design provides less stress on soft tissues.



Barbed peg provides strong fixation with bone using minimal bone cement.

Anti-rotation spikes to keep implant in place and facilitates bone growth into implant.

WHAT TO EXPECT

After OvertureTi Resurfacing Knee Surgery

Because of the minimally invasive approach to your cartilage repair, you should be able to go home the same day.

You will have an incision on your knee with a dressing and/or bandage protecting the incision. Follow your doctor's orders regarding bathing and dressing care.

Your doctor may prescribe Physical Therapy to strengthen the muscles surrounding your knee and improve range of motion.

It is very important to follow-up with your doctor at his or her recommended intervals.

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FOR MORE INFO

OvertureOrtho.com

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2. *Nathwani, Dinesh MB, ChB, MSc, FRCS(Tr&Orth)1; McNicholas, Michael BSc, MB, ChB, FCRS(Ed&Glasg), MD, FRCSEd(Tr&Orth), FFSEM RCSI2; Hart, Alister MA, MD, FRCSG(Orth)3,4; Miles, Jonathan MD, FCRS(Orth)3; Bobić, Vladimir MD, FRCSEd5. Partial Resurfacing of the Knee with the BioPoly Implant: Interim Report at 2 Years. JBJS Open Access 2(2):p e0011, June 26, 2017*
3. *Nahas, S., Obaidi, B., Shearman, A., Hodgson, H., Nathwani, D., (2019). Focal knee resurfacing. Orthopaedics and Trauma, 33(2), 133-139. *See the IFU at www.overtureortho.com for a complete indications statement.*
4. *Varadarajan, K., Oral, E., Muratoglu, O., Freiberg, A. (2018). Why all tibial polyethylene bearings are not the same? Techniques in Orthopaedics, 33(1), 17-24.*