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CAUTION: USA federal law restricts this device to sale by or on the order of a physician. The ConforMIS Cruciate Retaining Total Knee Replacement System (iTotal CR) is intended for use only by fully trained physicians. Prior to use of a ConforMIS device, please review the instructions for use and surgical technique for a complete listing of indications, contraindications, warnings, precautions, and directions for use.

MK-02796-AC 5/15 |

ConforMIS

iTotal® G2

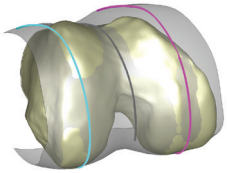
Patient-specific CRUCIATE-RETAINING knee replacement system

iTotal G2 is the only **individualized total knee system** on the market today.

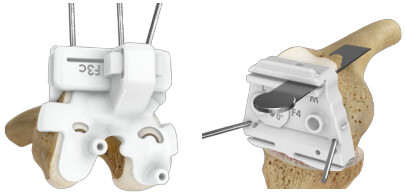
iTotal G2 is designed to achieve unique advantages not possible with off-the-shelf knee implants.

Our proprietary iFit® technology, coupled with the belief that implants and instruments should be unique to the patient, help us create an "individualized solution" in four key areas:

1. INDIVIDUALIZED FIT



2. INDIVIDUALIZED SHAPE



3. SIMPLIFIED SURGICAL TECHNIQUE

4. IMPROVED OR EFFICIENCIES

iTotal G2

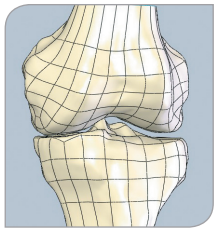
CRUCIATE-RETAINING

FROM IMAGE TO IMPLANT™

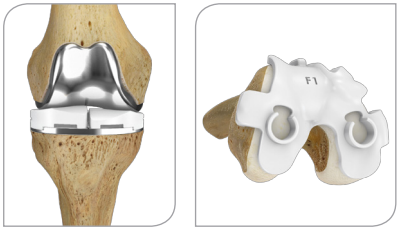
People vary in more ways than gender, race, and size. At ConforMIS, we believe that optimal implant fit and performance requires an individualized approach.

Our **iFit® Image-to-Implant™** technology transforms traditional imaging data into patient-specific implants ***and*** instruments.

Patient CT image

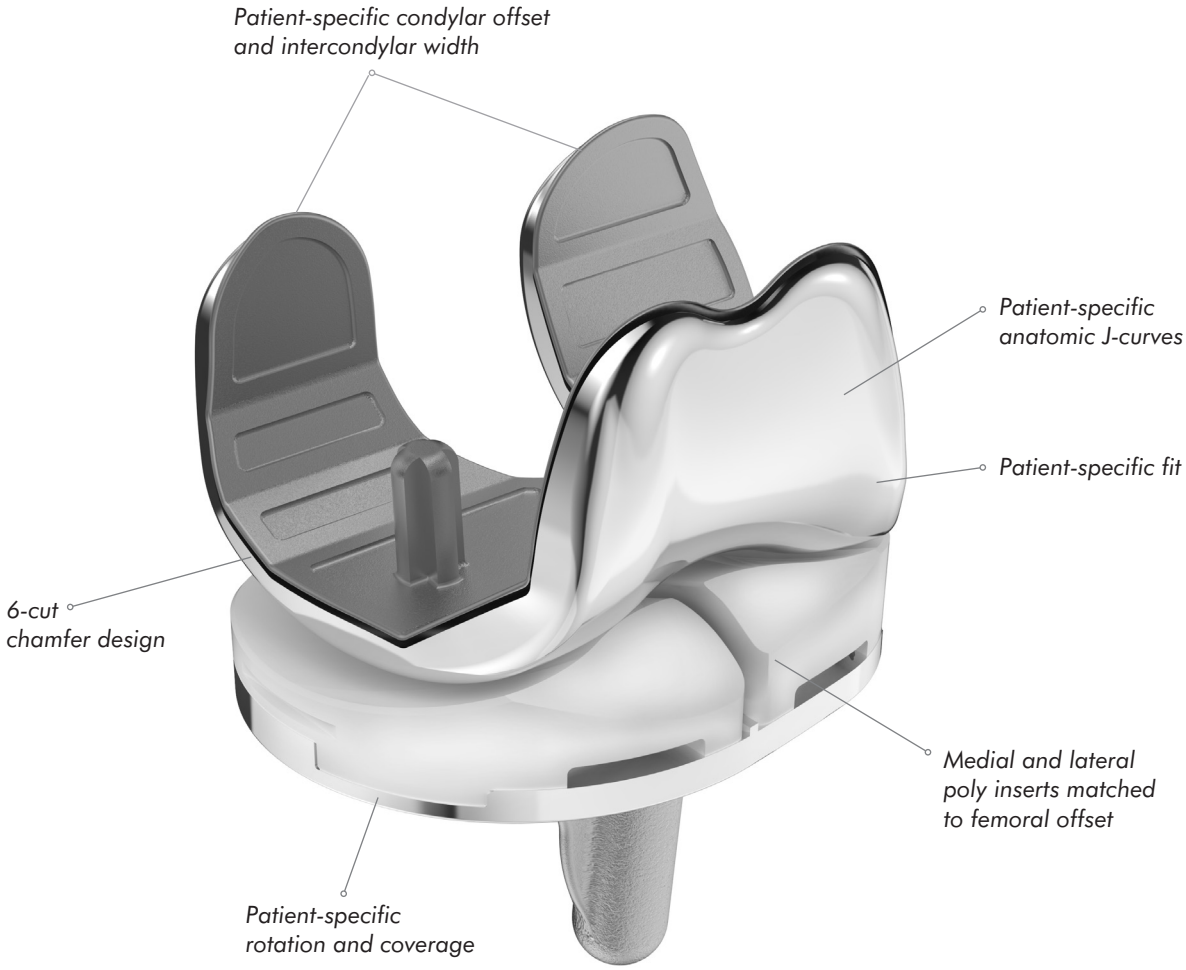


3D image processing



Patient-specific implant & iJig® design & manufacture

One package delivered for surgery



iTotal G2

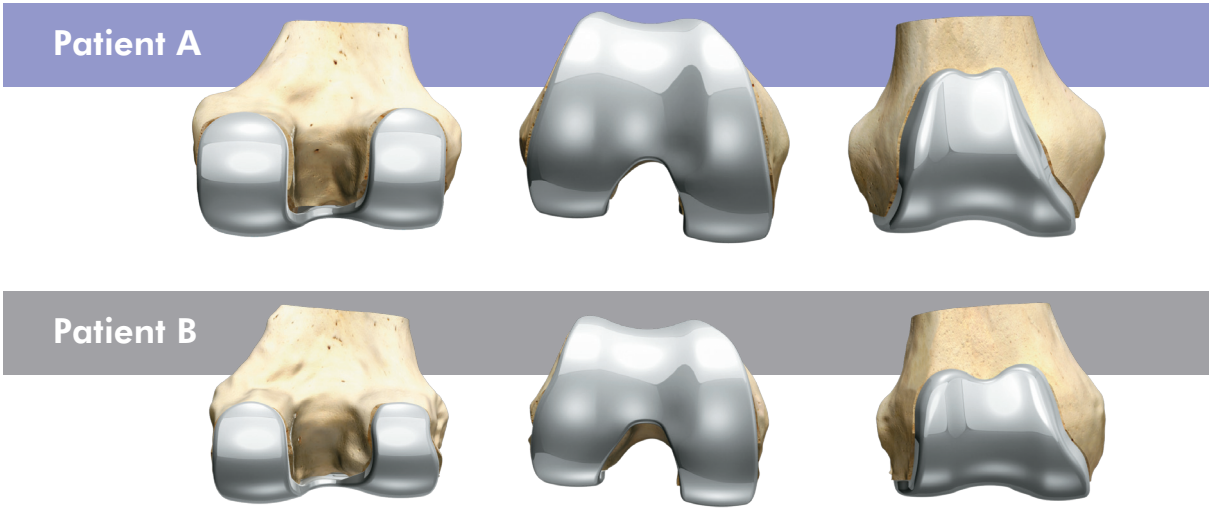
CRUCIATE-RETAINING

INDIVIDUALIZED FIT

No more compromises on femoral fit. Femoral overhang of ≥3mm has been shown to be a significant cause of residual pain in total knee replacement, affecting 40% of men and 68% of women in one study.[1]

iTotal G2 is designed to address the wide variations in patient anatomy that lead to overhang and undercoverage with off-the-shelf total knee systems.

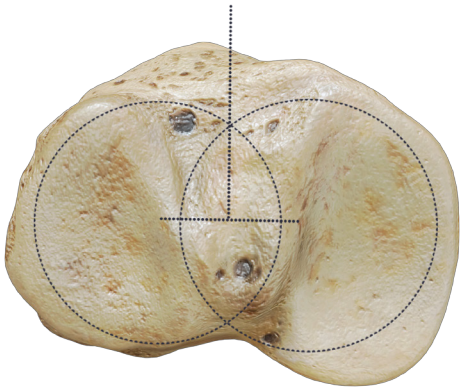
Patient-specific femoral for proper fit without sizing compromises



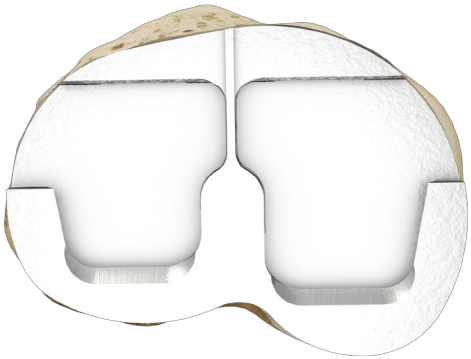
No more compromises on tibial coverage and rotation. Tibial rotational errors were found in 44% of painful knees using off-the-shelf designs.[2]

iTotal G2 is specifically designed to address known sources of pain due to rotational errors common with traditional total knee systems.

Patient-specific tibial tray set to proper rotation



Anatomic tibial axis alignment



The result is a knee replacement so precise that it virtually eliminates sizing compromises common to off-the-shelf knee replacements.

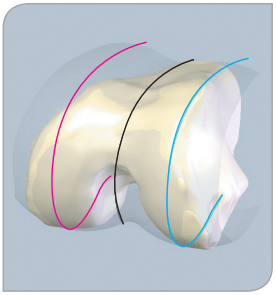
[1] Mahoney, O.M., et. al.; Overhang of the femoral component in total knee arthroplasty: risk factors and clinical consequences; J Bone Joint Surg [Am]; May 2010; Vol. 92-A; V5, pp. 1115-1121.

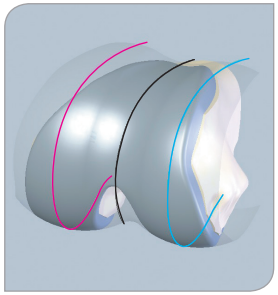
[2] Nicoll, et al; Internal Rotational Error of the Tibial Component is a Major Cause of Pain after Total Knee Replacement. The Journal of Bone and Joint Surgery; 2010, 92: 1238-1244.

INDIVIDUALIZED

SHAPE

Shape drives kinematics. Studies show total knee replacements, including single radius designs, alter patient kinematics.[3] Many patients report that their knee does not feel "natural."[4] iTotal G2 starts with each patient's medial, lateral and patellofemoral J-curves, corrected for deformity, as the basis for implant design.





iShape™ technology:

- Respects patient's condylar geometry
- Retains naturally occurring condylar offset

Separate dual-balancing™ medial and lateral poly inserts:

- Matched to femoral offset
- Respect patient's medial and lateral joint lines
- Allows for intraoperative flexibility

[3]Bull, et al. Changes in kinematics reflect the articular geometry after arthroplasty. Clin Orthop Relat Res. 2008;466(10):2491–9

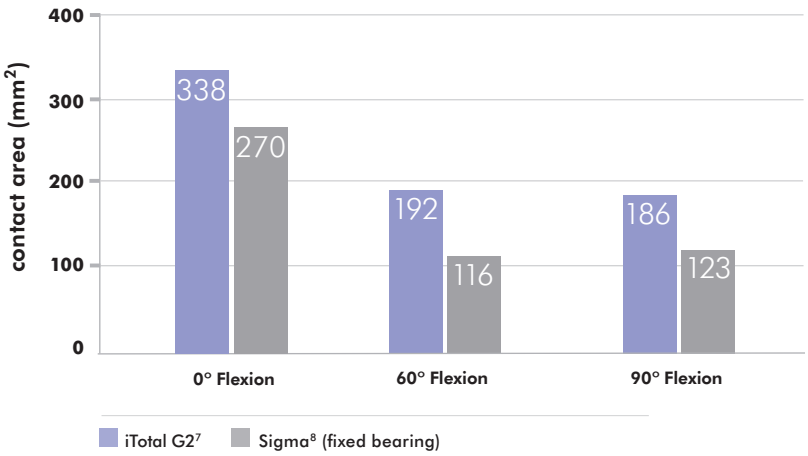
[4]Noble, et al. The John Insall Award: Patient Expectations Affect Satisfaction with Total Knee Arthroplasty. Clin Orthop Relat Res (2006) 452: 35–43

Creating an implant to fit the patient, rather than shaping the patient to fit the implant, opens **new possibilities in design**.

- Help **avoid soft tissue impingement** (e.g., popliteus tendon "popping"), which traditionally would require releases to correct

- 6-cut design for a thinner implant without sacrificing strength[5]
- **28% volumetric bone preservation** advantage for iTotal G2 compared to standard off-the-shelf implants[6]

Contact area (mm^2) at 0°, 60° and 90° of flexion



Due to its **broad coronal radius and coverage**, iTotal G2 offers contact area throughout the range of motion.

[5] Ref: Slamin JE, et. al; Optimizing Knee Femoral Component Strength and Bone Preservation with Finite Element Analysis. *ORS Annual Meeting 2012, Poster #1042*

[6] Data on file.

[7] Data on file.

[8] DePuy Orthopedics, Inc. marketing literature. Data for Sigma fixed bearing is at 15° flexion as 0° flexion was not reported.

iTotal G2
CRUCIATE-RETAINING

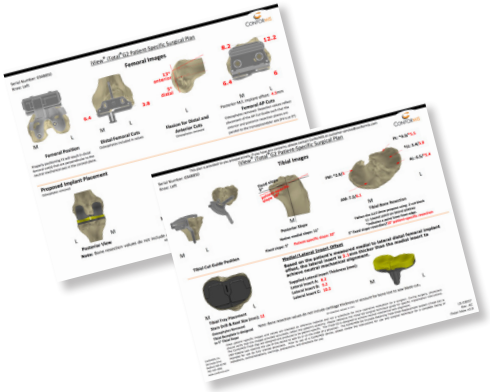
SIMPLIFIED SURGICAL

TECHNIQUE

Patient data enables a **reproducible surgical technique** using pre-navigated iJigs.®

Disposable, patient-specific iJig instruments for every step:

- iView surgical planning images provide detailed resection values that can be used to verify accuracy throughout the surgery

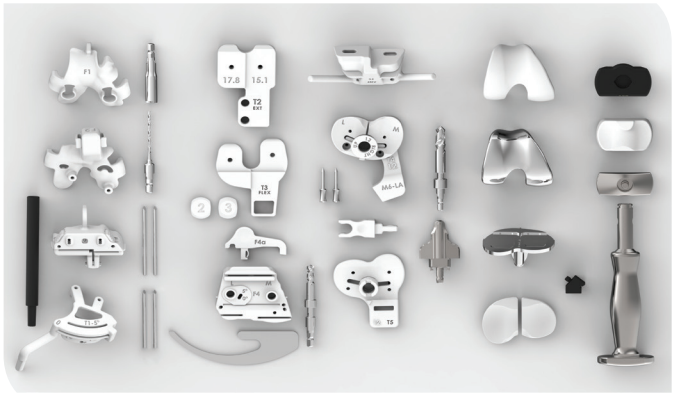


iTotal G2 includes implants and instruments in a single box.

Single instrument tray

When it comes to efficiency in the operating room, **less is more**. iTotal G2 is delivered in a single, pre-sterilized kit a few days before surgery.

- No implant inventory
- Pre-sterilized, disposable instruments
- A single reusable instrument tray
- Easy set up and tear down



IMPROVED OR EFFICIENCIES

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