

Gender Solutions[®] Patello-Femoral Joint System

Brochure



Gender Solutions PFJ

The Gender Solutions PFJ System is designed to provide implants to address the anatomical differences among men and women with a reproducible instrumentation platform, aiming to simplify patello-femoral arthroplasty (PFA).

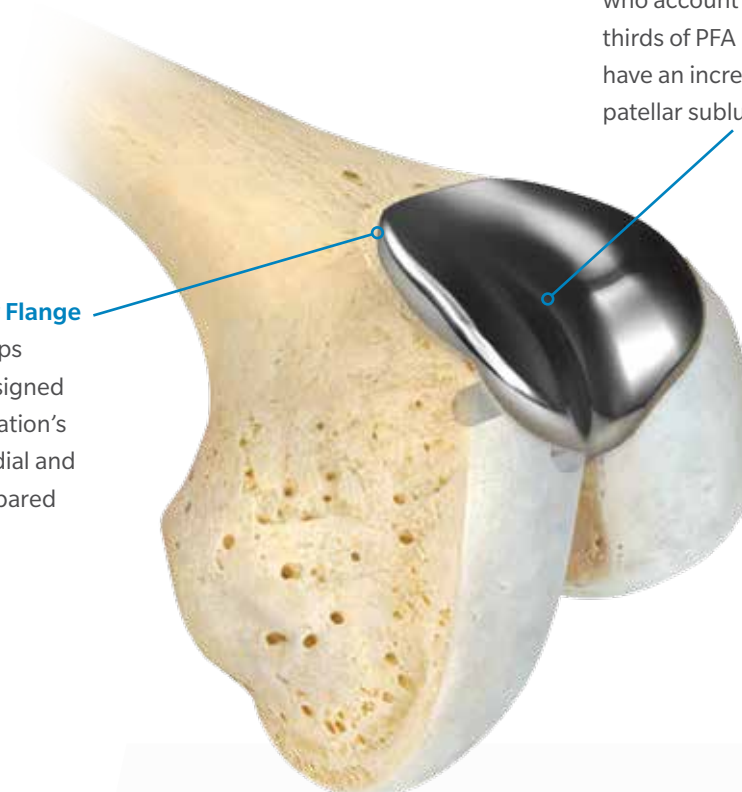


PFA shares many benefits with PKA such as bone preservation,¹ natural motion,¹ shorter hospital stay,² and fewer complications,^{3,4} but there have been multiple studies that show specific advantages of PFA over TKA as well.

- PFA is associated with shorter postoperative rehabilitation⁵
- PFA is associated with better knee kinematics in the sagittal plane because of the preservation of the tibiofemoral articulation, menisci, ACL and other supporting ligaments⁵
- PFA patients showed better functionality, less blood loss and greater return to activity⁶

Modified, Thinner Anterior Flange

A thinner anterior flange helps avoid overstuffing and is designed to address the female population's unique need for shorter medial and lateral condyle heights compared to men.⁹



Increased Trochlear Groove Angle

"This enhanced tracking angle has proven particularly useful in female patients, who account for approximately two-thirds of PFA recipients and who often have an increased Q-angle, dysplasia and patellar subluxation preoperatively..."⁸

Proprietary Guided Milling System

A simple instrument, eliminating challenges and errors presented in freehand techniques.⁷

By referencing native cartilage to determine varus/valgus placement, the intercondylar region of the implant is flush with surrounding cartilage to help avoid impingement of the patellar component.



References

1. Deshmukh, R.V., Scott, R.D. Unicompartmental knee arthroplasty: long-term results. *Clinical Orthopedics and Related Research*. 392: 272-278, 2001.
2. Lombardi, A. et al. Is Recovery Faster for Mobile-bearing Unicompartmental than Total Knee Arthroplasty? *Clinical Orthopedics and Related Research*. 467:1450-57. 2009.
3. Brown, N.M. et al. Total Knee Arthroplasty Has Higher Postoperative Morbidity Than Uni-compartmental Knee Arthroplasty: A Multicenter Analysis. *The Journal of Arthroplasty*. (2012)
4. Robertsson, O. et al. Use of unicompartmental instead of tricompartmental prostheses for unicompartmental arthrosis in the knee is a cost effective alternative. *Acta Orthop Scand*. (1999); 70(2): 170-175.
5. Morris, M.J. et al. Clinical Results of Patellofemoral Arthroplasty. *The Journal of Arthroplasty*. 28(9): 199-201, 2013.
6. Dahm, D.L. et al. Patellofemoral Arthroplasty Versus Total Knee Arthroplasty in Patients with Isolated Patellofemoral Osteoarthritis. *The American Journal of Orthopedics*. 39(10): 487-491, 2010.
7. Lonner, J.H. Patellofemoral Arthroplasty: The Impact of Design on Outcomes. *Orthopedic Clinics of North America*. 39(3): 347-354, 2008.
8. Thienpoint, E., Lonner, J.H. Coronal alignment of patellofemoral arthroplasty. *The Knee*. 21-S(1): S51-S57, 2014.
9. Earl, B. Gender Solutions Study by Mohamed Mahfouz at the University of Tennessee. Results based on CT scan analysis. Data on file at Zimmer Biomet.

All content herein is protected by copyright, trademarks and other intellectual property rights owned by or licensed to Zimmer Biomet or its affiliates unless otherwise indicated, and must not be redistributed, duplicated or disclosed, in whole or in part without the express written consent of Zimmer Biomet.

This material is intended for health care professionals and the Zimmer Biomet sales force. Distribution to any other recipient is prohibited.

For complete product information, including indications, contraindications, warnings, precautions, and potential adverse effects, see the package insert and www.zimmerbiomet.com.

Zimmer Biomet does not practice medicine. The treating surgeon is responsible for determining the appropriate treatment, technique(s) and product(s) for each individual patient.

Please check for local product clearances and reference product specific instructions for use.

www.zimmerbiomet.com



ZIMMER BIOMET

Your progress. Our promise.™