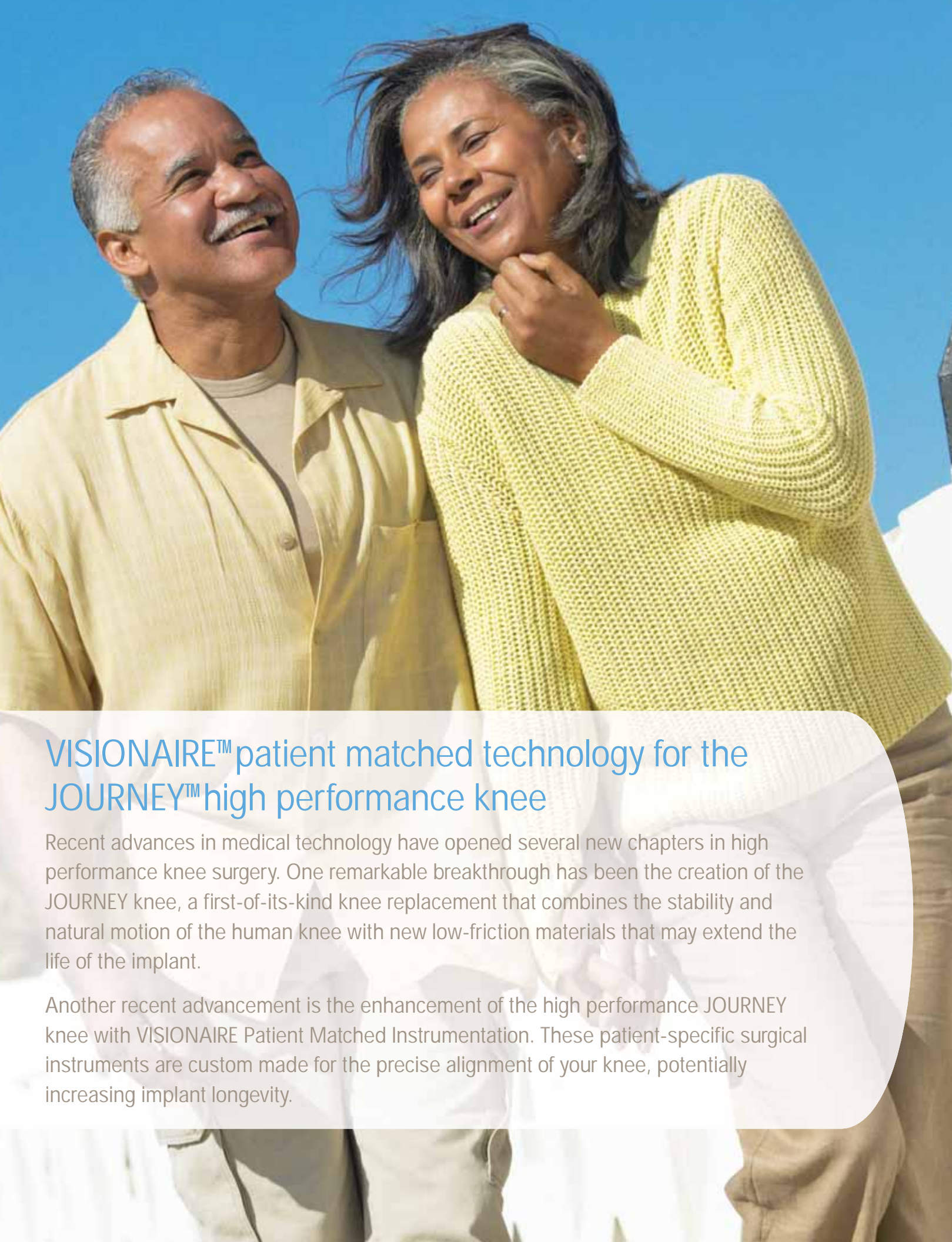




VISIONAIRE™ Patient Matched Instrumentation
for the JOURNEY™ Knee

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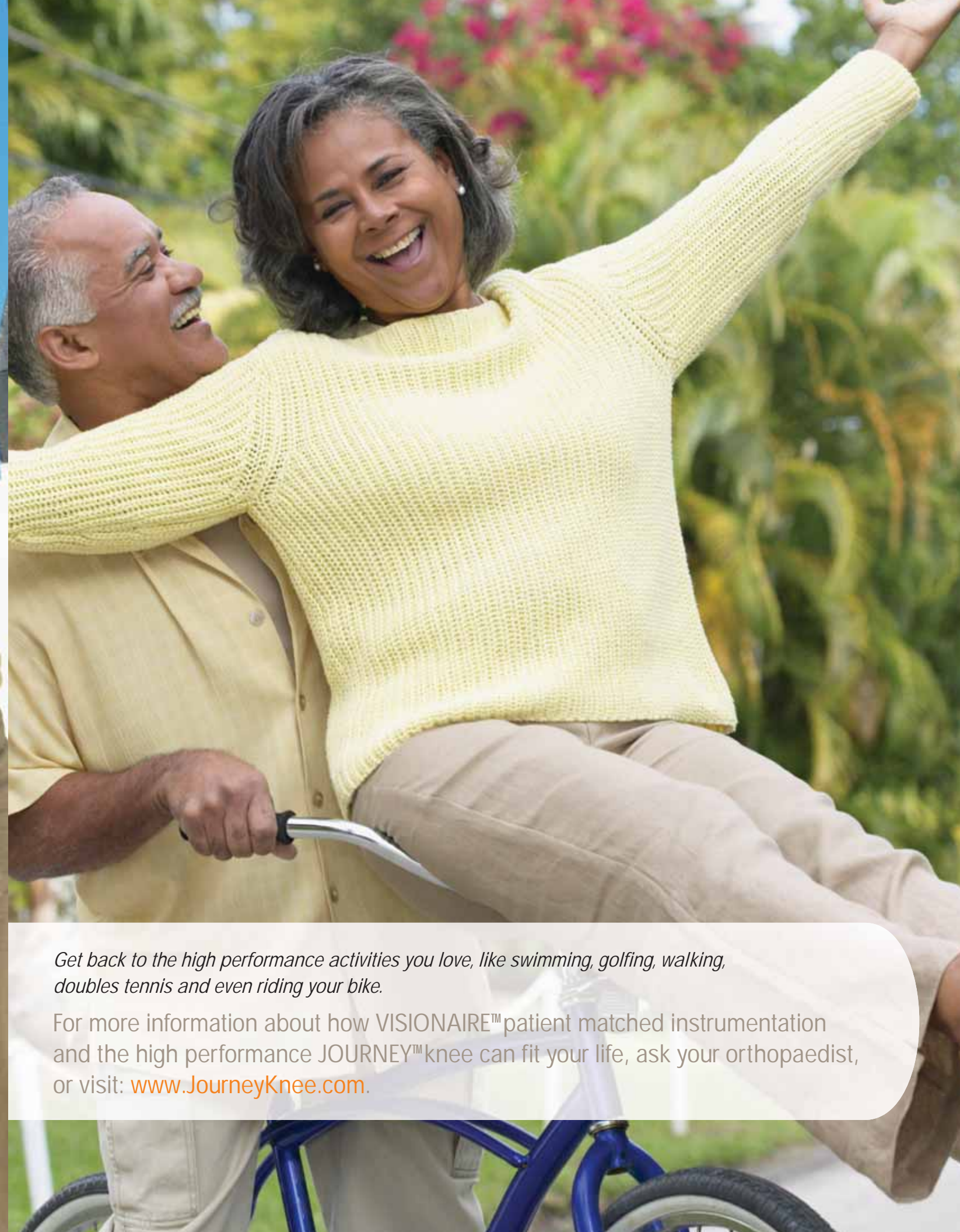
www.smith-nephew.com



VISIONAIRE™ patient matched technology for the JOURNEY™ high performance knee

Recent advances in medical technology have opened several new chapters in high performance knee surgery. One remarkable breakthrough has been the creation of the JOURNEY knee, a first-of-its-kind knee replacement that combines the stability and natural motion of the human knee with new low-friction materials that may extend the life of the implant.

Another recent advancement is the enhancement of the high performance JOURNEY knee with VISIONAIRE Patient Matched Instrumentation. These patient-specific surgical instruments are custom made for the precise alignment of your knee, potentially increasing implant longevity.



Get back to the high performance activities you love, like swimming, golfing, walking, doubles tennis and even riding your bike.

For more information about how VISIONAIRE™ patient matched instrumentation and the high performance JOURNEY™ knee can fit your life, ask your orthopaedist, or visit: www.JourneyKnee.com.



Advanced Implant material for your high performance life

Beyond natural motion and anatomical fit, a high performance knee implant must be made from the most technologically advanced materials in orthopaedics. The JOURNEY™ knee is made from OXINIUM™ Oxidized Zirconium, a unique metal alloy available only from Smith & Nephew.

Wear-resistant

In lab tests, ceramic-like OXINIUM material reduces knee implant wear by up to 85-percent compared to cobalt chrome – the metal used in virtually all other knee implants on the market. That means that the JOURNEY knee has the potential to last longer.

Lightweight

The thighbone component of the JOURNEY knee, which is the portion made with OXINIUM material, weighs a full 20-percent less than a similarly sized implant made from cobalt chrome.

Hypoallergenic

OXINIUM Oxidized Zirconium is the only total knee implant material that contains no detectable amounts of nickel or chromium, the two metals associated with metal allergy. If metal jewelry irritates your skin, a JOURNEY knee made with OXINIUM metal may be right for you.

The JOURNEY™ knee

While the human knee is a hinge joint, it does not swing like a simple door hinge. It moves with a subtle, rotating motion while bending – a motion not reproduced by traditional knee replacements. To return to your peak activity level, your knee implant should move and feel like your original knee.

Using cutting-edge engineering technology and extensive studies of how the human knee works, the JOURNEY knee is uniquely designed to reproduce the original shapes of your natural knee.

Active Motion

The JOURNEY knee moves like your natural knee and can more easily accommodate your knee's high flex range of motion. And because it reproduces the natural shapes and motions of your original knee, your muscles and ligaments don't have to readjust to unnatural shapes and forces after surgery, so your stride can return to its natural rhythm.

Stability

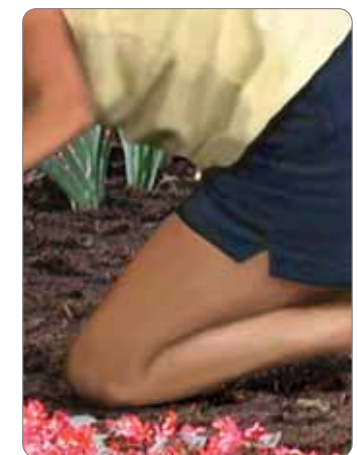
During many knee replacement surgeries, both your ACL and PCL (anterior and posterior cruciate ligaments) are removed. These ligaments are key to the stability of your real joint and contribute to natural motion when walking, standing up from a seated position or climbing stairs. The unique design features of the JOURNEY knee restore the function of both ligaments unlike any other knee available.



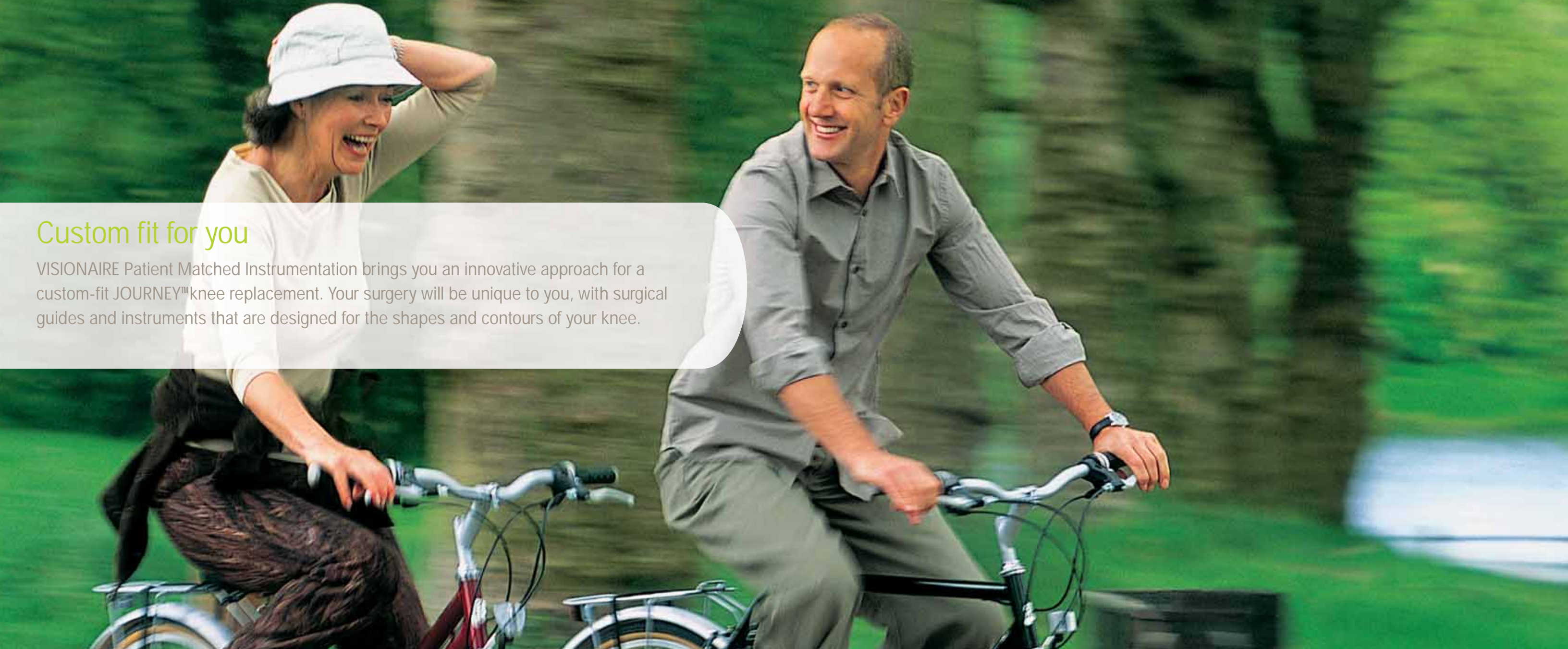
Enjoy **more stability** in 'straight leg' situations, such as stepping out of the bathtub or shifting your weight.



Experience **increased range of motion** during everyday activities, such as shopping, climbing stairs and walking.



Take advantage of **increased flexibility** for kneeling activities, such as weeding in the garden or practicing yoga.



Custom fit for you

VISIONAIRE Patient Matched Instrumentation brings you an innovative approach for a custom-fit JOURNEY™ knee replacement. Your surgery will be unique to you, with surgical guides and instruments that are designed for the shapes and contours of your knee.

VISIONAIRE™ patient matched technology

VISIONAIRE Patient Matched instruments help your surgeon achieve more optimal implant alignment, custom to your unique knee anatomy.

Your orthopaedic surgeon will scan MRI (Magnetic Resonance Images) and X-Ray images of your affected leg into an advanced web-based software program, which will generate virtual images of your knee. Surgical instruments and guides are then designed and built, mapping out specific bone cuts to accurately align the JOURNEY implant to your knee.

Because VISIONAIRE technology removes multiple steps from the traditional surgical technique, your time under anesthesia may be reduced. This may lead to less blood loss and a lower risk of infection.

Accurate Alignment

VISIONAIRE Patient Matched instruments allow your surgeon to achieve precise alignment of your JOURNEY knee, potentially reducing wear – a leading cause of early implant failure.

Faster Recovery

Customized VISIONAIRE™ instruments enable a less invasive surgical procedure which can reduce soft tissue and muscle damage. While this can speed your recovery time, the normal feel and movement of your JOURNEY™ knee may also accelerate your recuperation, as you won't need additional time to adjust to a knee that does not 'feel right'.

Less Pain

You may be able to take less pain medication for a shorter time with minimally-invasive surgery. By reducing the amount of muscle and soft tissue damage, you'll have a smaller scar and experience less pain during recovery.

Implant Longevity

JOURNEY knee accurately aligned with the VISIONAIRE system may not only feel more natural, but may also last longer than traditional knee replacements. Even a slightly misaligned implant can cause uneven implant wear, loosening and instability, which can contribute to early implant failure and follow-up surgeries.