



Personalized Solutions

TruMatch Solutions is the result of extensive research and development efforts at DePuy Orthopaedics.

TruMatch Solutions uses advancements in technology to provide surgeons with Personalized Solutions through patient-specific instruments. These instruments help the surgeon to obtain a precise fit of the implant. The implant helps reduce a patient's pain and restore their mobility.

If you are considering a knee replacement, ask your surgeon about solutions tailored specifically to *your* knee.

TruMatch[™]
PERSONALIZED SOLUTIONS

References

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2. Cates, H. et al. "Intramedullary Versus Extramedullary Femoral Alignment Systems in Total Knee Replacement." *Clinical Orthopaedics and Related Research*. 1993;286:32-39.
3. Ritter, M. et al. "Postoperative Alignment of Total Knee Replacement." *Clinical Orthopaedics and Related Research*. 1994;299:153-156.
4. Sorrells, B. et al. "The effect of varus and valgus deformity on results of cementless mobile bearing TKA." *The Knee*. 2007;14:284-288.

To learn more about knee replacement surgery, including recovery information, visit www.kneereplacement.com.

This information is intended only for patients in the United States.

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Personalized knee replacement solutions



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Your knee is unique

If it seems like you've tried everything and still don't have relief from your knee pain, it may be time to consider knee replacement surgery. It's important to remember that, like you, your knee is unique. The same solution may not necessarily be right for everyone. But now there's a customized knee replacement solution designed specifically for your anatomy. It's called **TruMatch™** Personalized Solutions.

TruMatch Personalized Solutions

TruMatch Solutions, only available with Sigma® Knee Replacements, uses a three-dimensional computerized scan of your leg to create customized surgical guides that are designed to deliver a Personalized Solution based on your unique anatomy. DePuy Orthopaedics, Inc. developed **TruMatch** Solutions to help your surgeon achieve consistency in the placement and positioning of your knee replacement.

The positioning and placement of your knee replacement is important

If you don't get an alignment on your car after putting on new tires, you'll eventually see uneven wear and tear, possibly even tire failure. The same idea applies to your knee replacement.

Positioning and alignment are crucial to the overall performance of your implant.^{1,2,3,4} Researchers have found that even a misalignment as slight as three degrees can lead to uneven wear, instability and increased risk of revision surgery following knee replacement.¹ That's why precise positioning and placement play such an important role in the success of your implant.

Important safety information

Keep in mind that the way a knee replacement will perform depends on your age, weight, activity level and other factors. There are potential risks, and recovery takes time. If you have conditions that limit rehabilitation, you should not have this surgery. Only an orthopaedic surgeon can tell you if knee replacement is right for you.

How does TruMatch Solutions work?

DePuy Orthopaedics uses state-of-the-art software along with a CT scan to create a virtual 3-D model that shows the structure of your knee and the progression of your arthritis. DePuy Orthopaedics then works with your surgeon to develop customized instrumentation:

Step 1

A CT scan is taken of your leg at your local hospital or image center.



Step 2

The image is sent to DePuy Orthopaedics where a special team works with your surgeon to develop a 3-D model of your knee.



Step 3

The structure of your knee is analyzed and your personalized guides are created.



Step 4

Your guides are delivered to your surgeon the day of your surgery to help position and place your new knee implant.



The guides are removed prior to your new knee being implanted.

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