TRUMATCH® PERSONALIZED SOLUTIONS

Personalized Patient Instruments for Total Knee Replacement

Resection Guide System
The TRUMATCH Solutions program from DePuy Synthes brings a new level of patient-specific instrumentation for use in Total Knee Replacement surgery to your OR, allowing you to work with femoral and tibial resection guides individually designed to match the alignment criteria and actual bone surfaces of each patient. The design software takes into account your own surgical preferences. With TRUMATCH Solutions, you are able to provide a knee treatment designed around the individual needs of your patients.
Gordon,
Hockey player,
SIGMA Knee and TRUMATCH
Personalized Solutions Patient
PROCEDURAL EFFICIENCY

Reduced surgical decisions and steps

Fewer standard instruments needed

Fewer instrument cases to resterilize

Eliminates the need, and assembly, of the femoral IM rod guide, sizing guide and the tibial resection guide

FUNCTION

Elimination of up to nine steps from the surgical workflow

Based on the patient’s mechanical alignment
Dear Dr. Surgeon,

Please review the following patient proposal. On your DePuy TruMatch website use the “Make Decision” button to select the appropriate status. Please contact DePuy TruMatch support if you have any questions or need further information.
Phone: 800-689-0746, 574-372-7129 or Email TruMatchSupport@jnj.com

**Use with HP Instrumentation:**

4-in-1 Cutting Block

<table>
<thead>
<tr>
<th>Patient Information:</th>
<th>Case Information:</th>
</tr>
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<tbody>
<tr>
<td>Patient Name:</td>
<td>Instrument Type:</td>
</tr>
<tr>
<td>Gender:</td>
<td>PFC Sigma</td>
</tr>
<tr>
<td>DOD:</td>
<td>HP</td>
</tr>
<tr>
<td>Affected Side:</td>
<td>Sz 6 CR R</td>
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<tr>
<td>Profile:</td>
<td>Sz 5 CR</td>
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<tr>
<td>Reference Case #:</td>
<td>Femoral Component:</td>
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<tr>
<td>Date:</td>
<td>Tibial Component:</td>
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<tr>
<td></td>
<td>Sizing Reference:</td>
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<td></td>
<td>External Rotation Reference:</td>
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<tr>
<td>Patient Special Consideration:</td>
<td>Distal Femoral Resection:</td>
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</tbody>
</table>

**Notes/Comments:**

Distal femur resection thickness increased by 1.0mm to accommodate the additional 1.0mm thickness of the Sigma size 6 femoral implant (size 1.5 to 5 = 9mm, size 6 = 10mm).

*For example only*

**Proposal Version: 1**
Your patient’s 3D anatomy data and your personal surgical preferences are used together to define the Patient Proposal.

DePuy Synthes takes this information and then creates a Patient Proposal based on mechanical alignment.

The TRUMATCH Solutions website allows you to review, approve, change, re-design or cancel any Patient Proposal at any stage of the process.
With a three-dimensional plan of the whole leg structure, the TRUMATCH Solutions team of engineers will model resection guides designed to provide mechanical alignment through the new total knee replacement. These will determine distal femoral and proximal tibial resection levels, varus/valgus alignment, femoral rotation and tibial slope.
THE SEAMLESS TRUMATCH SOLUTIONS PROCESS

Patient Imaging
Following an assessment and recommendation from the surgeon, the TRUMATCH Solutions process begins with a CT scan of the whole leg, from hip to ankle, per a defined TRUMATCH Solutions Scanning Protocol. The CT scan will be conducted at a validated imaging center (local to the surgeon) and will then be electronically forwarded to our TRUMATCH Solutions Team. The team will confirm the quality of the scan and create a new patient record for later submission by the surgeon’s office.

Case Submission
Through a simple web interface, the surgeon’s office finalizes the pertinent case information and submits the order to the TRUMATCH Solutions Design Team. Immediately, the system will provide the delivery date of the finalized resection guides. Surgery can be scheduled any time thereafter, up to 120 days from the date of manufacturing. The case information will be collated with the surgeon’s surgical preferences already recorded in the system. Together with the implant geometry, the TRUMATCH Solutions Design Team will prepare a personalized Patient Proposal.

Image Processing and Patient Proposal
Utilizing proprietary software, the TRUMATCH Solutions Design Team will create a complete three dimensional model of the whole leg structure, which will be combined with the patient’s information and the surgeon’s surgical preferences to create a personalized Patient Proposal. The Patient Proposal will include information such as distal femoral and proximal tibial resection levels, varus/valgus alignment, femoral rotation, femoral and tibial sizing, and tibial slope.
Patient Proposal Approval

An e-mail will alert the surgeon when the case specific Patient Proposal is ready for his/her comment and approval. The surgeon is then able to visit a password protected area of the TRUMATCH Solutions Website to make, if necessary, any revisions and approve the Proposal.

Instrument Preparation and Kit Consolidation

Once the surgeon approves the details of the Patient Proposal, preparation of the personalized patient instruments takes place within our dedicated manufacturing centers. Individual patient name and data are etched on each, to confirm identification in the OR. Stainless steel guides within the plastic resection guides are designed to minimize particle generation during bone resection.

Delivery and Surgery

The TRUMATCH Solutions Resection Guides are delivered sterile. The guides are delivered on, or prior to, the stated delivery date communicated during the case submission step. Surgery can take place any time thereafter up to 120 days from the date of manufacturing.
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The TRUMATCH Solutions Website is compatible with Internet Explorer 6, Internet Explorer 8 and iPad® with Safari v4.2.1.

DePuy Synthes recommends you protect your system by running industry standard virus protection software.

iPad is a registered trademark of Apple Inc.

Limited Warranty and Disclaimer: DePuy Synthes Joint Reconstruction products are sold with a limited warranty to the original purchaser against defects in workmanship and materials. Any other express or implied warranties, including warranties of merchantability or fitness, are hereby disclaimed.

WARNING: In the USA, this product has labeling limitations. See package insert for complete information.

CAUTION: USA Law restricts these devices to sale by or on the order of a physician.

Not all products are currently available in all markets.