Without the need for external references, KneeAlign uses accelerometers and gyroscopes to continuously calculate the orientation of a cut guide for total knee replacements. By registering the hip center, knee center, and ankle center, KneeAlign provides live-navigation angles for the distal femoral and proximal tibial cuts relative to the mechanical axis.

**Live-navigation for distal femur**
**Live-navigation for proximal tibia**
**Patient specific approach**
**Open-implant platform**

<table>
<thead>
<tr>
<th>Mean absolute difference between nav and x-ray</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tibia coronal plane(^1)</td>
</tr>
<tr>
<td>Tibia sagittal plane(^1)</td>
</tr>
<tr>
<td>Femur coronal plane(^2)</td>
</tr>
</tbody>
</table>

**Overall limb alignment within 3° of target\(^2\)**

- Conventional Navigation: 86.3%
- KneeAlign: 92.5%

**Blood loss (mL) per group\(^3\)**

- Conventional IM-guided: 1,071 ± 310 mL
- KneeAlign: 784 ± 357 mL

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