

# Apex Knee™ PSI

Combining the best of surgical efficiency and implant performance



# Corin

Connected Orthopaedic Insight

Preoperative planning and patient-specific instrumentation designed to uniquely control implant placement.

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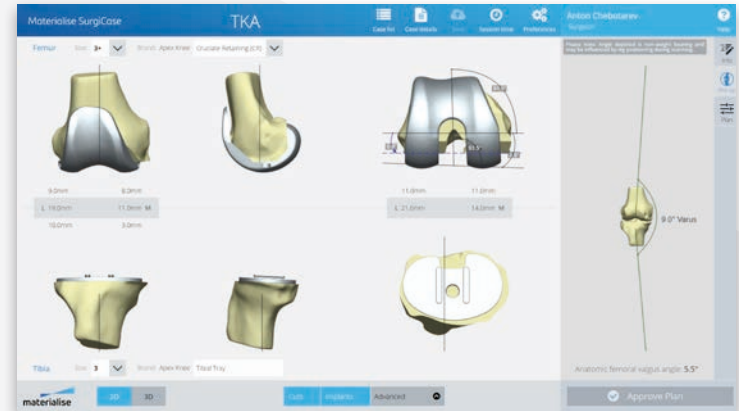
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## Designed to match the specific needs of each patient

Computer simulated 3D planning of the patients anatomy from MRI creates a bespoke treatment plan for each patient. Detailed plans and accurate guides:

- Achieve reliable implant positioning and sizing<sup>1</sup>
- Eliminate surgical steps and improve efficiency
- Reduce instrument sets and trays required
- Provides a surgical plan for the procedure
- Less invasive procedure without I.M referencing<sup>2</sup>

Materialise SurgiCase web-based planning tool used in conjunction with Apex Knee™ provides a fast and efficient preoperative planning tool to optimise implant position and confirm guide design.



powered by  
**materialise**

1. Consult

2. Imaging

3. Pre-surgical plan

4. Guide design

5. Surgery



1. Alcelik, I., Blomfield, M., Öztürk, C., Soni, A., Charity, R., Acornley, A., 2017. A comparison of short term radiological alignment outcomes of the patient specific and standard instrumentation for primary total knee arthroplasty: A systematic review and meta-analysis. Acta Orthop. Traumatol. Turc. doi:10.1016/j.aott.2017.02.001

2. Thienpont, E., Schwab, P.-E., Fennema, P., 2017. Efficacy of Patient-Specific Instruments in Total Knee Arthroplasty: A Systematic Review and Meta-Analysis. J. Bone Jt. Surg. 99, 521–530. doi:10.2106/JBJS.16.00496

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