Elminating Cement

• Saves time and reduces cost
  – No cost for cement and cement accessories
  – Pandit et al, have shown a 9 minute reduction in operating time with cementless compared to cemented¹
  – Retained cement may increase wear of the polyethylene bearing

• Cementing errors may result in lose cement debris

• Cementing errors may cause pain due to medial overhang, tight flexion gap, and impingement

Other Benefits of the Oxford Partial Knee:

• A multi-center study²* found that Oxford PKR patients were 2.7 times more satisfied with their ability to perform activities of daily living compared to TKA patients

• A multi-centre study demonstrated decreased morbidity and complications of PKA compared to TKA³**

• Proven,⁴* safe and reproducible technique⁵* with Oxford Microplasty® Instrumentation

• Better functionality⁶* and more natural motion⁷* compared to TKA

• Best-in-class continuous education programme

* Oxford Cemented Partial Knee study
** Study included Oxford Partial Knees as well as other ‘non-Zimmer Biomet’ partial knees

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Reducing X-ray Misinterpretation

Radiolucent lines are often observed under the tibial tray of fixed and mobile bearing partial knee replacements.¹,⁸,⁹ Misinterpretation of these radiolucent lines may result in unnecessary revision. This could possibly help explain the higher revision rate of partial knee replacement seen in the joint registers.¹⁰

Reduction of radiolucent lines under the tibial component, could result in better survivorship. Multiple studies of the cementless Oxford Partial Knee have found a reduction of radiolucent lines.

• Hooper, et al found only 1.5% of cementless Oxford Partial Knee replacements were found to have a radiolucent line under the tibial tray¹²

At 1 year, Pandit, et al found no increase of radiolucent lines in the cementless group¹¹

Radiolucent lines in Oxford Cementless PKRs¹¹

7%

Radiolucent lines in Oxford Cemented PKRs¹¹

75%
The Oxford Partial Knee is the most widely used and clinically proven partial knee replacement (PKR) system in the world. The Oxford Partial Knee is available with PPS® (Porous Plasma Spray) and Hydroxyapatite (HA) coating for cementless fixation. In a multicenter study of 1,000 patients, the cementless Oxford Partial Knee has demonstrated a 97.2% survivorship at 6 years.

1 **Tibial Component**
   - PPS coating on all implant/bone interfaces provides mechanical interlock with the substrate
   - Improved fixation compared with cemented fixation

2 **Mobile Meniscal Bearing**
   - Mobile bearing designed to remain fully congruent with femoral component throughout entire range of motion
   - Proven wear resistance with ArCom® Direct Compression Molded polyethylene

3 **Femoral Component**
   - PPS coating on all implant / bone interfaces provides mechanical interlock with the substrate
   - Twin-peg femoral design to allow for additional rotational stability
   - 6.35 mm large stepped peg is designed to provide a press fit to aid initial fixation
   - Improved fixation compared with cemented fixation
References


2. Study by researchers at Washington University in St. Louis, Missouri, US. Portions of study funded by Biomet. Determined based on adjusted odds ratio calculation.


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