The ATTUNE Knee System is designed to provide improved functional outcomes and patient satisfaction, implant durability, and OR efficiency for all stakeholders.

The ATTUNE Cementless Knee utilizes patented technologies of the ATTUNE Knee System and Rotating Platform option, with the added benefit of biologic fixation with POROCOAT® Porous Coating.

1. **Stability**
The ATTUNE femoral component features a gradually reducing radius of curvature to allow for a smooth transition from extension to flexion by removing the abrupt transitions seen in some traditional implant designs.

2. **Implant Design**
ATTUNE features medialised dome and anatomic patella and a low profile anterior flange to minimise soft tissue impingement and overstuffing of the joint capsule.

3. **Rotating Platform**
Based on our clinical heritage, the central design of the ATTUNE Rotating Platform Tibial Base enables the tibial insert to rotate as the knee flexes, which allows for a more natural motion and may also reduce the stress and wear on the implant.

4. **POROCOAT Porous Coating**
POROCOAT Porous Coating has shown positive performance in stability and fixation in DePuy Synthes hip, knee and shoulder total joint replacements.
THE SCIENCE BEHIND THE ATTUNE CEMENTLESS KNEE SYSTEM

In developing the ATTUNE Cementless Knee, DePuy Synthes drew upon the successful clinical history of its Cementless and Rotating Platform Technologies, including the LCS COMPLETE Cementless Knee System which has implant survivorship of 97-98% at 18 years with any revision for any mechanical reason or poor clinical score as the end point. All of the bone interfacing surfaces of the ATTUNE Cementless Femoral Component are coated with POROCOAT Porous Coating designed to enhance biologic fixation of the implant to bone.

ROTATING PLATFORM TIBIAL COMPONENT

The ATTUNE Cementless RP Tibial Base features four peripheral porous coated pegs around a proximally coated central cone. The pegs are designed to increase the press-fit surface area and stability of the component. The central cone allows for compatibility with the ATTUNE RP Tibial Inserts.

The fully coated pegs move outward from the central cone as the size of the tibial base increases. This is designed to ensure that rotational and axial support of the tray is increased throughout the size range without potential impingement of the inner cortex of the tibia.

98.3% survivorship related to mechanical reasons at 18 years for the LCS® Knee System, which has used POROCOAT® Porous Coating for over 30 years.
CR and PS Femoral Components

The ATTUNE Cementless Knee is available for Cruciate Retaining or Cruciate Sacrificing, and Posterior Stabilized constructs. Similar to the LCS COMPLETE Cementless Knee, the femoral lugs are porous coated, which increases the amount of stability of the femoral component and results in greater dissociation strength and reduced micromotion.\textsuperscript{10}

The inner A/P femoral surfaces have been designed to ensure that the anterior, posterior, and distal faces achieve full seating onto the bone. The anterior and posterior chamfers have the addition of a small elevated rail on the medial and lateral edges that are designed to provide peripheral fixation in the chamfer regions without preventing distal seating of the femoral component.

Less micromotion

Overall, micromotions of the ATTUNE Knee System were significantly lower than the LCS COMPLETE Knee System under both loading conditions (P<0.001).\textsuperscript{10}

BALANCE AND ALIGNMENT

Today’s patient demands a natural feeling knee, making precise alignment and individual soft tissue balancing essential in total knee arthroplasty.

Balancing the flexion and extension gaps is extremely important in achieving optimal stability and motion.

ATTUNE and its instrument system support all surgeons who want flexibility in options to achieve a balanced and stable knee, regardless of your philosophy.
GROWING OUR PORTFOLIO TO MEET OUR PATIENT AND SURGEON NEEDS

The ATTUNE Knee System continues to grow its portfolio to provide surgeons with a broad range of solutions for their patients.

**Improved patient reported outcome measures** compared to other leading knee systems that were tested.11

**Implant survivorship estimate is 97.7% at five years** in Australian National Joint Replacement Registry, Automated Industry Report System.12

**39% lower odds of patient discharge to a skilled nursing facility** for ATTUNE Knee patients vs patients who received TKA with a Triathlon™ Knee, according to the results of a large U.S. hospital administrative database review.13

**References:**


DePuy Synthes
People inspired™

DePuy Orthopaedics, Inc. 700 Orthopaedic Drive Warsaw, IN 46582 USA Tel: +1 (800) 366-8143 Fax: +1 (800) 669-2530

DePuy International Ltd St Anthony’s Road Leeds LS11 8DT England Tel: +44 (0) 113 270 0461

DePuy (Ireland) Loughbeg, Ringaskiddy Co. Cork, Ireland Tel: +35 (321) 491 4000 Fax: +35 (321) 491 4199

Johnson & Johnson Medical Pty Ltd t/a DePuy Synthes 1–5 Khartoum Road, North Ryde, NSW, 2113, Australia.

Johnson & Johnson (New Zealand) Ltd 507 Mt Wellington Highway, Auckland, 1060, New Zealand.

Third party trademarks used herein are trademarks of their respective owners. © DePuy Synthes 2019. All rights reserved. 107728-190216 DSUS/EM August 2019