One for all
All primary indications, one complete system
One system for you

“My implant system should cover all my primary cases.”

“When my patient goes home, I want the confidence that the implant is stable.”

“With lower reimbursements I need to get more cases done.”

“I hate fiddling with leg length restoration and offset.”

“I want to spend more time with my family.”
With hospitals and surgeons looking to cut time and costs, an efficient set of instruments can help provide this savings. The entire family of implants in the SYNERGY Hip System utilizes the same two trays of instrumentation. Designed to flow with the surgery, the first tray contains specialized two-in-one femoral reamers. The second tray includes the femoral broaches and optimized trial necks and heads.

The SYNERGY Hip System provides you a complete range of options to match your patients’ needs. The implants include solutions for cementless, cemented and fracture management cases. Each of these options uses the same surgical technique and the same two trays of surgical instruments.

One system for all implant options

Porous Plus HA  Porous  HA  Ti-Press Fit  Cemented  CONQUEST FX Femoral Hip Implant
Patients do not always follow your precautions. They desire a rapid return to their normal function. With this desire you need an implant you can trust. One that is stable. The SYNERGY™ Hip System incorporates design features that provide you and your patient confidence.

The SYNERGY Hip System gets initial stability through three-point fixation. This fixation is demonstrated in the X-ray. SYNERGY stems wedge in posterior proximally, anterior midway down and posterior distally.

The SYNERGY Hip System goes beyond similar designed tapered implants with the use of fins. The anterior and posterior fins on the SYNERGY Hip System have been shown to prove a 20% improvement in rotational stability over a similar-geometry stem without fins.²
Patients are more demanding. They are not only looking for implant longevity and pain relief, but also a sense of normalcy. SYNERGY™ stems were designed to provide you and your patients with biomechanical restoration that matches their anatomy.

SYNERGY stems offer two true dual offsets that provide a method of biomechanical restoration without a change in leg length. Other systems utilize a neck angle change to achieve extra offset. This method of offset adjustment can result in a leg length change.

Reducing dislocations has always been at the forefront of Smith & Nephew hip design. A circulotrapezoidal neck provides greater range of motion than traditional neck designs. This ROM difference is demonstrated showing a cone of motion. This cone of motion is an illustration of the ROM of the implant to impingement.

The cone of motion with a circulotrapezoidal neck is much larger than that of a cylindrical neck. This difference equals greater ROM for the SYNERGY Hip System. Compared to the competitive implant, the SYNERGY system gets 17% more flexion.
With over 250,000 SYNERGY™ Hip System stems implanted, surgeons have seen excellent results. In February of 2007, results with the SYNERGY Hip System were published in the Journal of Arthroplasty. At an average of 75 months, the SYNERGY Hip System had a survivorship of 99.5%.4

Restoration of biomechanics and reducing dislocations are important factors for patient satisfaction. SYNERGY porous implants were shown to restore offset in patients 90% of the time. Another competitive design only accomplished this restoration in 40% of the patients.5
One system for **advanced bearings**

The R3° Acetabular System combined with the Smith & Nephew portfolio of hip stems provides the most advanced hip replacement system with:
- Widest range of advanced bearing options
- Excellent primary stability
- Flexible instrumentation

**General features**

- NO HOLE and THREE HOLE hemispherical shell offering
- Polished inner surface to minimize backside wear
- XLPE offered in 0 and 20° and in 0 and 20° +4mm lateralized options
References


2 Data on file at Smith & Nephew, TM328802.


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