



The **Anterior Approach** for Total Hip Replacement

“My own concept of minimally invasive is that what we do under the skin is more important than the specific length of the incision...the main advantage of this approach is that it is not necessary to detach any muscle from the pelvis or femur, and the ‘hip deltoid’ is not disturbed. The result is that there is an immediate stability of the hip.”²⁰

Joel M. Matta, M.D.



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Balancing the Benefits

In recent years, minimally invasive or tissue-sparing orthopaedic procedures have gained attention as patients demand shortened recovery time and accelerated rehabilitation. Development of efficient, repeatable, tissue-sparing total hip replacement procedures is especially imperative.



Since 2001, DePuy has focused its Tissue Sparing Solutions Program on balancing the potential benefits of less invasive techniques—accelerating recovery with less pain—with the goals of optimizing function and maximizing survivorship.



RECOVERY

A healthy spirit of debate exists today about the benefits and challenges of the various approaches for minimally invasive orthopaedic hip surgery.¹⁻⁷ The classic Smith-Petersen anterior approach has proven itself clinically through the thousands of cases

performed by the Judet and Keggi families and as documented in their writings.^{8,9}

The technique demonstrated by Dr. Joel M. Matta of St. John's Health Center, Santa Monica, California, in the enclosed video and animation (filmed at Good Samaritan Hospital, Los Angeles, California) is an advanced application of the Smith-Petersen approach using the PROfx™ or hana™ table from OSI.¹⁰⁻¹² These tables help to streamline the technique, creating a reproducible procedure that minimizes soft-tissue releases and eliminates the need for secondary incisions to accommodate instrumentation or the femoral component. With these advantages, the anterior approach can provide a high potential for functional recovery for a diverse patient population.



PROfx™ table



FUNCTION

Increasing function for the hip-replacement patient means improved mobility through big-head technology and through femoral components that enhance range of motion.

The Pinnacle™ cup is the featured acetabular component in the surgical video and animation contained in the folder. DePuy launched this system in 2000. To date, more than 100,000 shells have been implanted. The system features Porocoat® Porous Coating. Porocoat has a 25-year history of clinical success.¹³



Corail® Hip with DePuy ASR™XL Metal-on-Metal Articulation

SUMMIT™ Tapered Hip with Pinnacle Cup and Ultamet™ Metal-on-Metal



SURVIVORSHIP

The Corail® hip system has demonstrated 15 years of clinical survivorship¹⁴ and is the number-one selling, HA-coated stem in the world. Corail is the featured femoral component in the enclosed surgical video and animation.

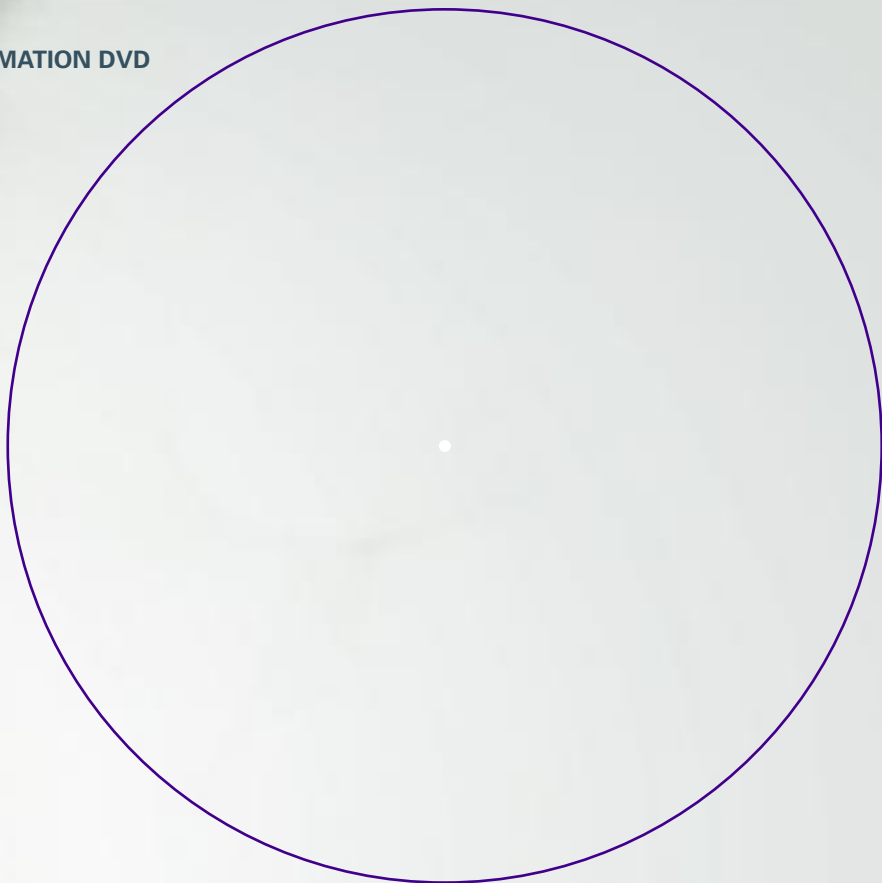


In a THA clinical study including over 3,000 patients, the Pinnacle Acetabular Cup demonstrated a 100 percent survivorship after almost five years in the market.¹⁵ DePuy offers a broad range of low-wear bearing options, including Ultamet™ Metal-on-Metal, DURALOC® Option™ Alumina-on-Alumina, BIOLOX® *delta* on Marathon® Cross-linked Polyethylene, and the more traditional metal-on-polyethylene. Marathon Cross-linked Polyethylene with a metal femoral head has shown 81 percent wear reduction in vivo compared to that of conventional polyethylene.¹⁶⁻¹⁹ Talk to your DePuy representative about the combinations that are available for your patients.

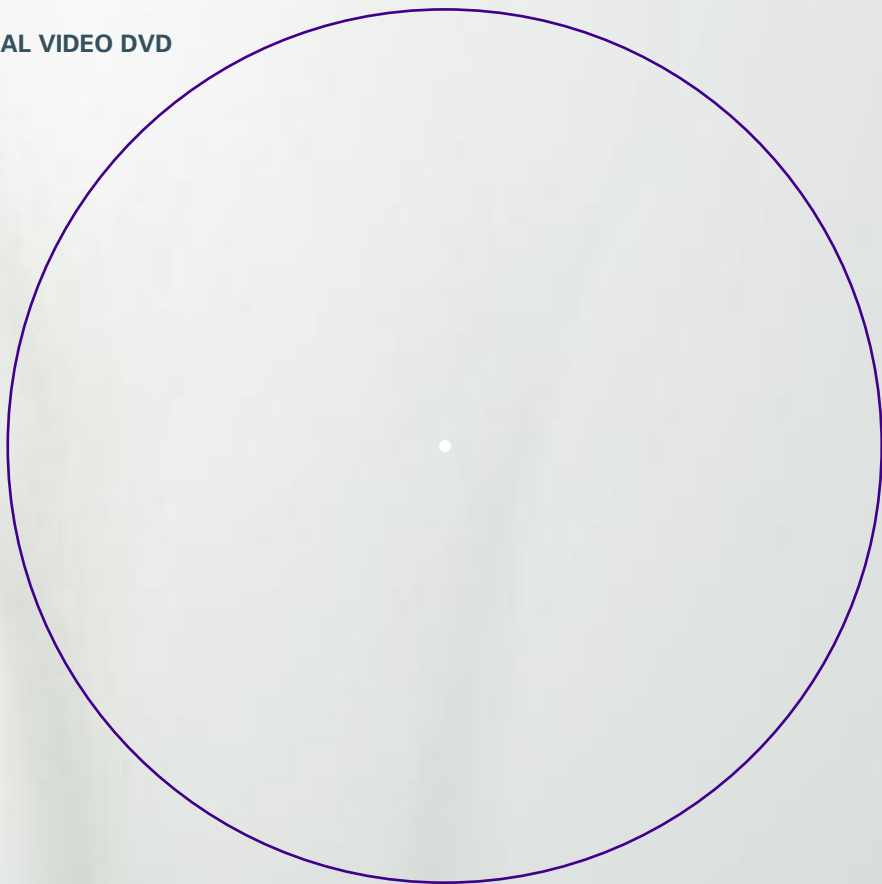
Pinnacle™ Acetabular Cup System

ANTERIOR APPROACH BACKGROUND AND OPERATIVE TECHNIQUE

3-D ANIMATION DVD



SURGICAL VIDEO DVD



The Anterior Approach

The video DVD and animation DVD provide an interactive introduction to the issues and advantages of the anterior approach for total hip replacement.



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