There are a number of solutions, surgical and non-surgical, to treat your disease. Depending on your condition, your doctor may suggest you undergo a total hip replacement (substitution of damaged bone with a hip prosthesis).

AMIS® may be your solution

The AMIS® (Anterior Minimally Invasive Surgery) approach causes less surgical trauma than other techniques for total hip replacement. In fact the anterior approach is the only technique that DOES NOT CUT MUSCLES AND DOES RESPECT NERVES.

AMIS®
ANTERIOR MINIMALLY INVASIVE SURGERY
IN HIP REPLACEMENT

Mr. Parminder J Singh

MBBS | MRCS | FRCS (Tr&Orth) | MS | FRACS
Orthopaedic Surgeon

Mr. Parminder Singh is an experienced and accomplished orthopaedic and trauma surgeon. With a reputation for his knowledgeable and empathetic approach, Mr. Singh recognises the importance of choosing the right doctor for your treatment and takes the time to discuss all your options with you to ensure the right outcome.

A board member and editorial chairman of the International Society of Hip Arthroscopy & Joint Preservation Surgery, Mr. Singh has a special interest in young adult hip disease including femero acetabular impingement and joint preservation surgery, minimally invasive hip replacements using the anterior approach and patient specific instrumentation.

In addition to his surgical commitments, Mr. Singh is currently an editor of the Oxford textbook of Orthopaedic and Trauma Surgery and has published numerous research papers, book chapters and is a reviewer for the British Journal of Bone and Joint Surgery.

Mr. Singh has provided supportive research to the design and developments of new hip replacements and co-designed with world renowned hip surgeons, new instrumentation and implants for joint preservations surgery.

OPERATING AT:

- **Epworth Eastern Hospital** | Box Hill VIC 3128
- **Epworth Hospital** | Richmond VIC 3121
- **St Vincent's Private Hospital** | East Melbourne VIC 3002
- **Waverley Private Hospital** | Mount Waverley VIC 3149

CONSULTING AT:

- **Main Rooms**: 21 Erin Street, Richmond VIC 3121
- **Waverly Private Hospital**: 343-357 Blackburn Road, Mount Waverley VIC 3149
- **Epworth HealthCare**: 85 Wilson St, Brighton VIC 3186

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PJS Orthopaedics
PRECISION JOINT SURGERY

AMIS® Short Patient Information - ref: 99.98.16shortAU rev. Singh00

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Innovation in hip arthroplasty A M I S®: NO MUSCLES CUT

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AMIS®
ANTERIOR MINIMALLY INVASIVE SURGERY
IN HIP REPLACEMENT

Suffering from hip pain?

If you ever wake up in the morning and just don't feel like getting out of bed because of hip pain, you're certainly not alone.

Are you considering Total Hip Replacement?

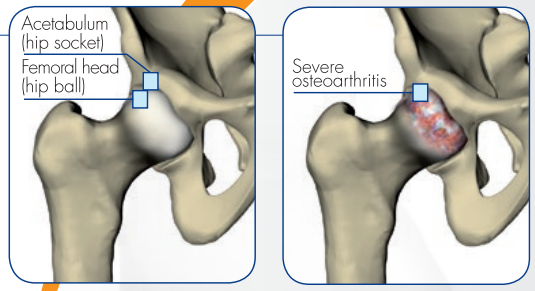
AMIS®

ANTERIOR MINIMALLY INVASIVE SURGERY IN HIP REPLACEMENT

What is osteoarthritis?

The hip joint is formed by the articulation of the rounded head of the femur and the cup-like acetabulum of the pelvis.
The main cause of hip joint diseases is the wear of the articular cartilage: osteoarthritis. This wear is perceived as **pain**.

Hip pain limits your daily activities, affects your mood, your health and, definitely, **your general well-being**.
In the case of advanced osteoarthritis your doctor may suggest that you undergo a total hip replacement.



What is Total Hip Replacement?

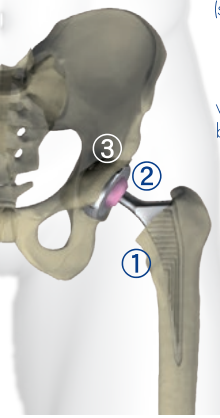
Total hip replacement surgery substitutes the damaged bone and cartilage of the joint with polyethylene (a plastic material) or ceramic and metallic components.

A hip prosthesis is an artificial articulation composed of a femoral stem with a head (sphere) and a socket cup.

① The femoral stem is made of metal (usually a Titanium or Cobalt Chrome alloy or stainless steel), which guarantees a maximum biocompatibility.

② The head is made of ceramic or metal.

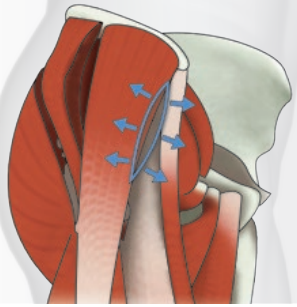
③ The cup is made of 1 or 2 pieces, depending on the procedure: cemented (usually only one component of polyethylene) or cementless (metallic acetabular shell and liner).



Why an AMIS® Total Hip Replacement?

The AMIS® technique causes less surgical trauma than other techniques because NO MUSCLES ARE CUT, only displaced.

AMIS® is a surgical technique that will improve the quality of your life and hasten your recovery after a Total Hip Replacement (THR).



What is AMIS®?

The AMIS® (Anterior Minimally Invasive Surgery) approach is a true intermuscular and internervous minimally invasive surgical technique.

AMIS® DOES NOT CUT MUSCLES AND DOES RESPECT NERVES

AMIS® can potentially provide you with the following benefits:

Decreased post-operative pain: the AMIS® approach can reduce the post-operative pain as muscles are not cut.[1,2]

Shorter rehabilitation: Rehabilitation can usually start the day of the operation or the day after, subject to your doctor's approval, based on your post-operative conditions.[2,3]

Shorter hospital stay: the AMIS® technique usually significantly reduces the duration of hospital stay.[4,5]

Small skin scar: with AMIS®, the skin incision is often shorter than with "conventional" surgery.[2]

Faster return to daily activities: the AMIS® technique allows you to return to daily activities in a shorter time frame.[4,6,7]

Less blood loss: Preservation of muscles and vessels potentially reduces blood loss.[2,5]

Reduced risk of dislocation (separation of the hip ball and socket): the risk of dislocation is reduced because the anterior approach is performed from the front of your body and dislocation is mainly related to posterior hip structure damage.[3,8]

Prevention of limping: minimizing muscle and nerve damage reduces the chances of limping.[9,10,11,12]

Current approaches and AMIS®

The surgeon can access the hip joint by different paths called "surgical approaches".

THE MISLEADING CONCEPT OF MINIMALLY INVASIVE SURGERY

There are a number of approaches advertised as minimally invasive (posterior, lateral or double incision approach) which are only reduced skin incision techniques and are associated with the same muscle and nerve injury as "conventional" approaches.

AMIS®: THE TRUE MINIMALLY INVASIVE SURGERY

AMIS®, Anterior Minimally Invasive Surgery, is characterized by the preservation of muscles and nerves encountered during the surgery to the hip joint capsule and offering a reduced skin incision.

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