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2. Pfirrmann CWA, Notzli HP, Dora C, Hodler J, Zanetti M. Abductor tendons and muscles assessed at MR Imaging after total hip arthroplasty in asymptomatic and symptomatic
3. Dora C, Pfirrmann C, Nötzli H, Hodler J, Zanetti M. MR imaging of the abductor tendons and muscles after total hip replacement in asymptomatic and symptomatic
4. Rooze M, Remy P, Biltiau N, Gillard B, Schuind F. Early recovery after total hip arthroplasty implanted by mini invasive direct anterior approach: isokinetic and isometric muscle strength analyse. Podium presentation at the
5. Adam P, Farizon F, Fessy MH.
8. Medacta’s mission to reduce the challenges by providing unconditional support to surgeons wanting to change to AMIS. Medacta has created the M.O.R.E. AMIS Education Program, embarked by hundreds of surgeons worldwide who have already performed over 200’000 AMIS cases.
9. Caen, France.
11. Reliable metaphyseal fixation.
12. Easy to introduce.
13. Cementless anatomical stem.
14. Long clinical history.
16. Reliable, compact and precise instrumentation.
17. Wide range.
18. Already performed over 200'000 AMIS cases.
19. Medacta’s mission to reduce the challenges by providing unconditional support to surgeons wanting to change to AMIS. Medacta has created the M.O.R.E. AMIS Education Program, embarked by hundreds of surgeons worldwide who have already performed over 200’000 AMIS cases.
20. Adam P, Farizon F, Fessy MH.
24. Pfirrmann CWA, Notzli HP, Dora C, Hodler J, Zanetti M. Abductor tendons and muscles assessed at MR Imaging after total hip arthroplasty in asymptomatic and symptomatic
26. Dora C, Pfirrmann C, Nötzli H, Hodler J, Zanetti M. MR imaging of the abductor tendons and muscles after total hip replacement in asymptomatic and symptomatic
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The anterior approach is the only technique which follows a path both intermuscular and internervous and therefore reduces considerably the risk of the damage to periarticular structures such as muscles, tendons, vessels and nerves.

**THE AMIS ADVANTAGES**

- **NO MUSCLES & NERVES DAMAGE**
  - The preservation of the periarticular structures potentially assists with:
    - Shorter hospitalization.
    - Significantly shortened rehabilitation.
    - Immediate post-operative muscle tone preservation.
    - Reduced risk of dislocation.
    - Decreased post-operative pain.
    - Faster return to daily activities.
    - Less blood loss.
    - Reduced risk of mortality (-60%) after femoral neck fracture.
    - Less blood loss.
    - Faster return to daily activities.
    - Decreased post-operative pain.
    - Fewer, shorter rehabilitation.

**RESULTS ARE NOT ONLY SEEN IN THE SHORT TERM**

Thanks to the AMIS technique risks are decreased when compared to a standard technique both in the short and in the medium term.

**AMIS INSTRUMENTS**

- **AMIS MOBILE LEG POSITIONER**
  - Allows the surgeon to easily change instrument placement and maintain them in a stable position.

- **GASTON**
  - A flexible pneumatic arm which allows the surgeon to easily change instrument placement and maintain them in a stable position.

- **AMIS BROACH HANDLE**
  - A flexible retractor which allows the surgeon to easily change instrument placement and maintain them in a stable position.

Specific instrumentation and a leg positioner should be used to facilitate the AMIS procedure. Medacta, in collaboration with orthopaedic surgeons around the globe, developed a set of instruments and the AMIS Mobile Leg Positioner with the objectives of:

- **REDUCING ERRORS**
- **REDUCING THE LEARNING CURVE**
- **SIMPLIFYING THE IMPLEMENTATION OF THIS TECHNIQUE**

**AMIS advantages**

- **NO MUSCLES CUT THROUGH AN INTERNERVOUS PATH**
- **Significantly shortened rehabilitation**
- **Many years of clinical experience**
- **Possible long-term benefits**
- **Increase Surgeon practice**
- **Hospital economical benefits**

MORE THAN 250,000 AMIS