REDEFINING THR: THE AMIS® SYNERGY

The anterior approach, strengthened by several years of clinical experience, is the only technique which follows a path both intermuscular and intertendinous and therefore reduces considerably the risk of damaging periarticular structures such as muscles, tendons, vessels and nerves.

Medacta® International is the world leader for educating and supporting surgeons in their pursuit of Anterior Minimally Invasive Surgery (AMIS®). Reference Centers, located throughout the world, provide the necessary AMIS® educational experience and Medacta® offers continuous support for surgeons, as well as constantly improving and developing the industries most specialized instrumentation platform.

Using AMIS® you can enter Medacta® International’s world of AMIS®. Discover:

- The definitive MIS approach: AMIS®;
- Dedicated AMIS® instrumentation;
- The AMIS® Mobile Leg Positioner: the original orthopaedic extension table included as part of the instrumentation that makes the surgery easier and reproducible;
- The AMIS® Education Program based on Medacta’s proven educational methods.

AMISTEM: BONE PRESERVING, AMIS® FRIENDLY

Thanks to its unique design, AMIStem is the logical femoral stem for the AMIS® approach:

- Reduced shoulder
- Optimized length

EASIER STEM INTRODUCTION THROUGH AMIS®

REFERENCES

The AMIStem has been developed to facilitate broaching and stem insertion when utilizing the AMIS® approach without compromising implant stability. Based on the clinical experience of straight, rectangular, cementless hip stems,[2,3,4] the AMIStem incorporates features which simplify the AMIS® approach.

**AMISTEM-H**
- 11 STANDARD sizes, from 00 to 9, with a 135° neck-shaft angle
- 9 LATERAIZED sizes, from 0 to 8, with a 127° neck-shaft angle

**AMISTEM-H COLLARED**
- 11 STANDARD sizes, from 00 to 9, with a 135° neck-shaft angle
- 9 LATERAIZED sizes, from 0 to 8, with a 127° neck-shaft angle

**AMISTEM-C**
- 9 STANDARD sizes, from 0 to 8, with a 135° neck-shaft angle
- 9 LATERAIZED sizes, from 0 to 8, with a 127° neck-shaft angle

**PRODUCT RANGE**
- First stem specifically designed for AMIS®
- Proven stability for both cementless and cemented versions in biomechanical tests[5,6]
- Easier stem introduction due to the reduced lateral flare. Overall dimensions reduced by 33% compared to standard straight rectangular stems[7]
- Reduced bone removal due to the optimized length

**MATERIAL**
- AMIStem-H and AMIStem-H Collared are made of Titanium-Niobium alloy in accordance with ISO 5832-11. Their surface presents a 80 μm thick Hydroxyapatite (Ha) coating after a superficial sand-blasting of 4 to 7 μm roughness.
- The Ha coating has chemical characteristics similar to that of human bone.[4,9,10,11,12]
- AMIStem-C is made of high nitrogen stainless steel, in accordance with ISO 5832-9 and has a mirror polished surface.

**INSTRUMENTATION**
- The same tray to implant AMIStem-H, AMIStem-H Collared and AMIStem-C.
- Both standard and lateralized trial necks fit onto the broaches for a quick and precise trial reduction.
- Offset broach handles available.
- Optional monoblock motorized broaches available for use with femoral stem trials.
- Dedicated AMIS® instrumentation.