REDEFINING THR: THE AMIS® SYNERGY

The anterior approach, strengthened by years of clinical experience, is the only technique which follows a path both intermuscular and internervous and therefore lowers 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 industry’s most specialized instrumentation platform.

Using Mpacl® System 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 extension table included as part of the instrumentation that makes the surgery easier and reproducible;
- The AMIS® Education Programme based on Medacta’s proven educational methods.

The AMIS® Mobile Leg Positioner will be supplied as part of the instrumentation to help ensure effective and reliable positioning of the leg during surgery. Traction, adduction and hyperextension have never been so easy.

REFERENCES

**MPACT® SYSTEM**

Mpact® offers a system of hemispherical press-fit acetabular shells in titanium alloy that provides different solutions according to patient needs, addressing primary and revision indications. Cementless hemispherical shell design with porous coating surface treatment has a long and successful clinical history. The Mpact® shells follow this philosophy, enhancing primary and biological secondary stability thanks to Mectagrip, highly porous plasma spray coating.

**EVOLVING SAFETY**

**OPTIMAL PRIMARY AND SECONDARY STABILITY**
Thanks to the coefficient of friction, pore size and distribution of Mectagrip.

**LOCKING SYSTEM FOR THE LINER**
Which minimizes micro-movements, preventing backside wear.

**EASY INSTRUMENTATION**
For a straightforward surgery for any preferred approach.

**MULTIPLE SHELL VERSIONS**
Available to secure adequate fixation to the available bone stock.

**OPTIMIZED FEMORAL HEAD/ SHELL DIAMETER RATIO**
Head 35 mm available from shell size 52 mm

**PRODUCT RANGE**

- **TWO-HOLE SHELL** from size 46 mm to size 66 mm
- **MULTI-HOLE SHELL** from size 46 mm to size 76 mm
- **RIM-HOLE SHELL** from size 56 to size 76 mm

**MECTAGRIP TECHNOLOGY**

Mectagrip is the porous coating treatment applied to the Mpact® shells, consisting of a layer of commercially pure titanium deposited through a special Vacuum Plasma Spray technique (VPS). The VPS method used to deposit the Titanium porous coating on the implant shows potential advantages:

- Pure titanium composition for optimal biocompatibility.
- High friction coefficient increasing grip at the bone interface with bone.
- Favourable environment for bone.
  - pore sizes of 100-350 μm
  - open pores with high porosity level
  - continuous interconnected pores.

**ADVANCED LOCKING MECHANISM**

Locking systems for the polyethylene liners:
- A clipping system placed out of the equatorial weight bearing area in the thickest region of the liner. This design reduces stresses at the liner/shell interface and minimizes the risk of the liner rim fracture should impingement occur.
- The match between anti-rotation tabs in the liner and indentions on the shell limits rotational micro-movement and potential backside wear.

**REVISION OPTIONS**

The **MULTI-HOLE SHELL** allows for the use of cancellous bone screws in 12 to 17 locations (size dependant) on the dome and equatorial region.

The **RIM-HOLE SHELL** allows use of cancellous and cortical bone screws.

**POLYETHYLENE LINERS** are available in Highcross crosslinked UHMWPE both in flat and hooded version.