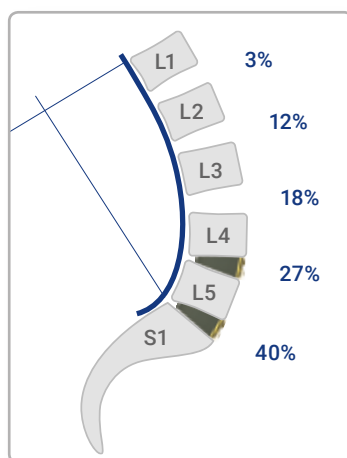


# SAGITTAL BALANCE TREATMENT AT 360°

## A UNIQUE SYNERGY

MySpine & MectaLIF Anterior, a unique synergy for improved restoration of sagittal balance.

- Proper **sagittal** and **coronal alignment** thanks to hyperlordotic cages in combination with posterior correction
- Recovery of the Spino **Pelvic harmony**
- **Circumferential approach** in combination with MySpine MC minimally invasive surgery
- **Decreased complications** than traditional pedicle subtraction osteotomies (PSO)



IDEAL DISTRIBUTION OF LUMBAR LORDOSIS<sup>[4]</sup>

The addition of the 20° degree hyper-lordotic cages provides surgeons the chance to recover effective alignment between L4 and S1, where 70% of lumbar lordosis is located<sup>[4]</sup>.



M.U.S.T. PEDICLE SCREWS COMBINED WITH MECTALIF ANTERIOR

360° surgery may combine anterior fusion with efficient posterior correction.



## TIPEEK TECHNOLOGY

The customizable modular anterior stand-alone implants, in conjunction with the suite of MectaLIF TiPEEK plasma-sprayed titanium coated cages, represent an added value to improved stability and enhanced fusion rates<sup>[5]</sup>.

## REFERENCES

- [1] Lamartina et al. Pedicle screw placement accuracy in thoracic and lumbar spinal surgery with a patient-matched targeting guide: a cadaveric study. *Eur Spine J.* 2015 Nov;24(7). MySPINE ACCURACY VS FREE HAND
- [2] Landi et al. Spinal Neuronavigation and 3D-Printed Tubular Guide for Pedicle Screw Placement: A Really New Tool to Improve Safety and Accuracy of the Surgical Technique? *J Spine* 2015, 4:5 MySPINE ACCURACY VS GUIDED TECHNIQUE
- [3] Landi et al. 3D Printed Tubular Guides for Pedicle Screw Placement: The Answer for the Need of a Greater Accuracy in Spinal Stabilization. *Orthop Muscular Syst* 2015, 4:3 MySPINE ACCURACY / EASE OF USE
- [4] Current strategies for the restoration of adequate lordosis during lumbar fusion Cédric Barrey, Alice Darnis *World J Orthop.* Jan 18, 2015
- [5] M.Rickert et al. Transforaminal lumbar interbody fusion in PEEK oblique cages with and without titanium coating: results from a randomized clinical trial

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# SAGITTAL BALANCE TREATMENT AT 360°

A UNIQUE PLATFORM TO RESTORE SPINO PELVIC HARMONY



Brochure

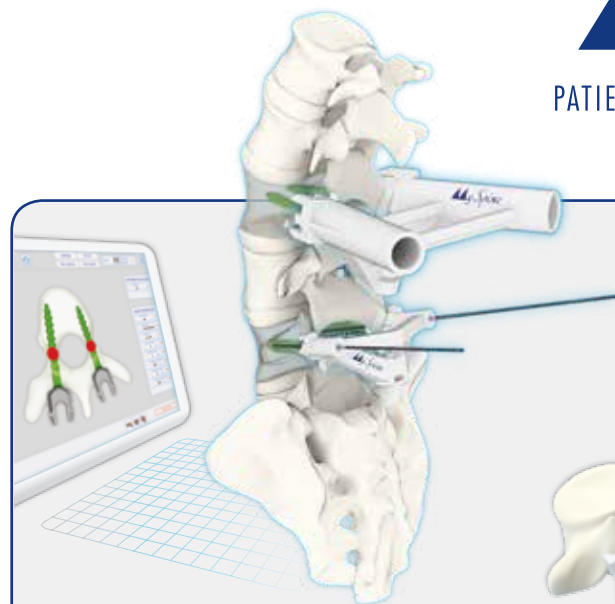
Joint

Spine

Sports Med



PATIENT MATCHED TECHNOLOGY  
IN SPINE SURGERY



MySpine is a 3D printed patient specific guide that allows accurate pedicle screw placement, whilst reducing the surgical time and intra-operative X-ray radiation.



Unique anatomies  
**Patient-Matched** solutions

**MYSPIKE INDICATIONS**

MySpine Standard and Low Profile guides are suitable for challenging deformities and long constructs. MySpine MC for MIDLINE CORTICAL approach with favorable screw cortical trajectory represents a dedicated solution in MIS surgery with muscle sparing benefits.



STANDARD



LOW PROFILE



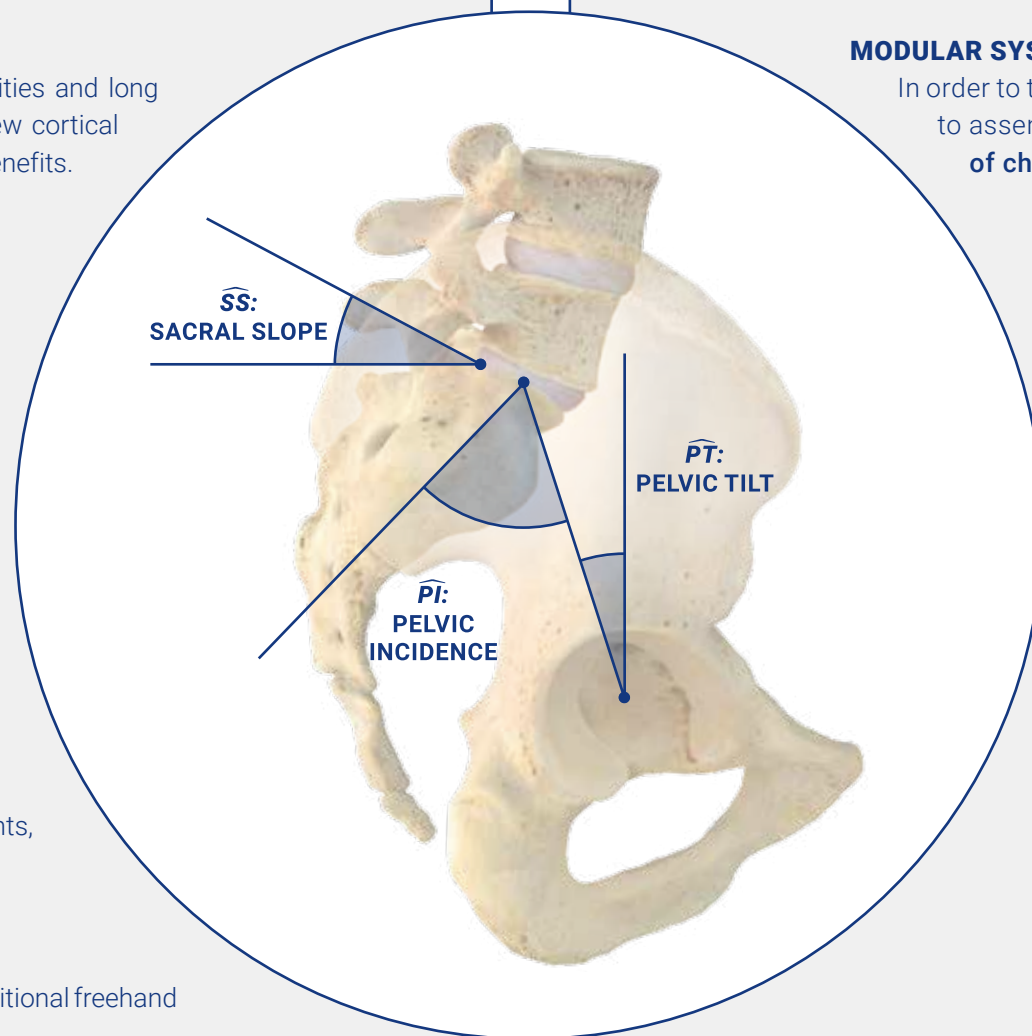
MIDLINE CORTICAL

**PRE-OPERATIVE PLANNING**

The surgeon determines the pedicle screw parameters: Trajectory, Entry points, Diameter and Length.

**ACCURATE SCREW POSITIONING**

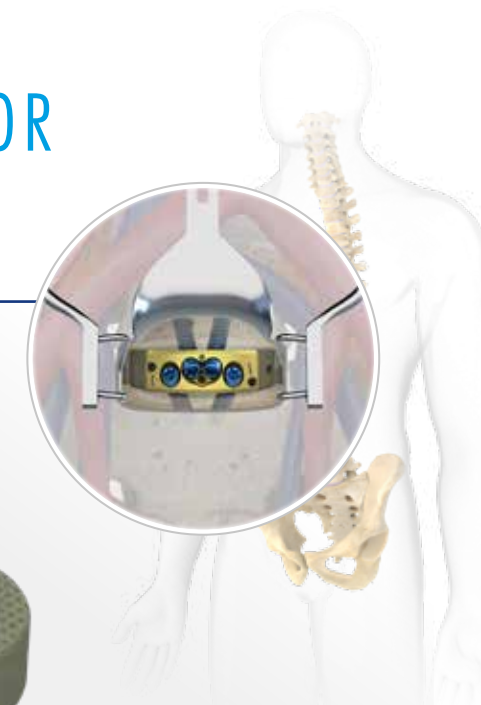
Literature shows that MySpine technology may achieve greater accuracy than traditional freehand approaches and comparable performance to navigation assisted technique<sup>[1,2,3]</sup>.



ANTERIOR LUMBAR INTERBODY FUSION DEVICE

The Medacta MectaLIF Anterior Lumbar Interbody Fusion Device offers an unprecedented MODULAR design that incorporates the benefits of an anterior plate and a radiolucent interbody spacer.

**Modular design**  
offers freedom of choice



**MODULAR SYSTEM**

In order to treat specific anatomical requirements and pathologies, the surgeon has the ability to assemble any of the 4 available plates intraoperatively giving the complete **freedom of choice!**



CAGE PLATE ASSEMBLY

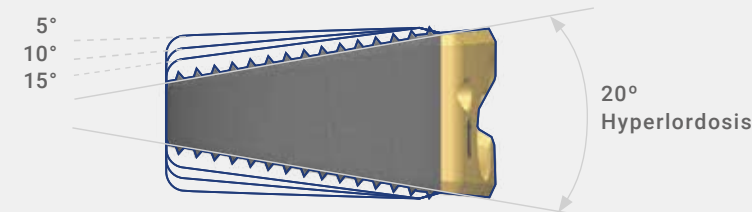


ASSEMBLED CONSTRUCT

**Modular design** allows intraoperative assembly to create an indication-specific interbody fusion device.

**HYPERLORDOSIS**

Hyperlordotic cages are capable to individually restore up to 20° of lumbar lordosis.



CAGE LORDOSIS