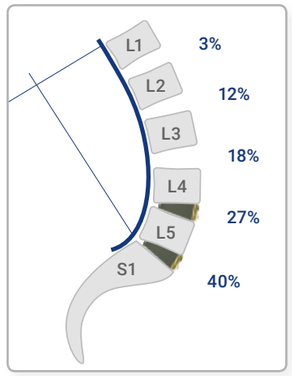
SAGITTAL BALANCE TREATMENT AT 360°

A UNIQUE SYNERGY

MySpine & MectaLIF Anterior, a unique synergy for optimal sagittal imbalance restoration.

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



IDEAL DISTRIBUTION OF LUMBAR LORDOSIS[4]

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

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[4].

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 bioactive[5] plasma-sprayed titanium coated cages, represent an added value to improved stability and enhanced fusion rates.

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] B.Walsh et al. Effect of titanium coating on PEEK osteoconductivity in an ovine model, 8th M.O.R.E. International Symposium

Medacta International
Strada Regina - 6874 Castel San Pietro - Switzerland
Phone +41 91 696 60 60 - Fax + 41 91 696 60 66
Info@medacta.ch - www.medacta.com

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SAGITTAL BALANCE TREATMENT AT 360°

A UNIQUE PLATFORM TO RESTORE SPINO PELVIC HARMONY

Brochure

Joint | **Spine** | Sports Med

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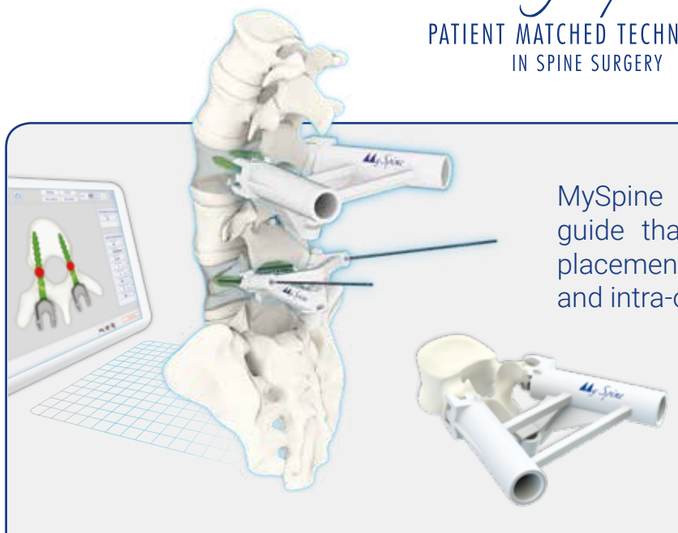
SAGITTAL BALANCE TREATMENT AT 360°

A UNIQUE PLATFORM TO RESTORE SPINO PELVIC HARMONY

MySpine
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

MYSPINE 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.

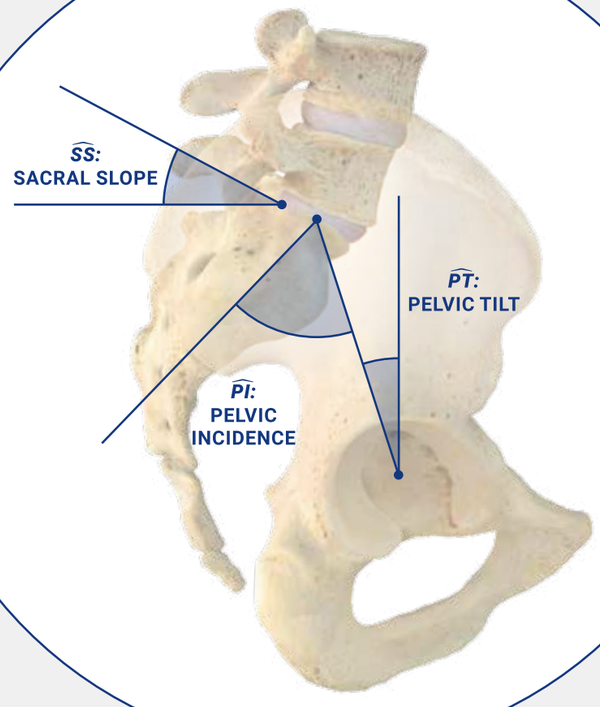
STANDARD

LOW PROFILE

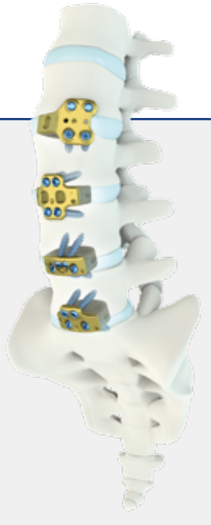
MIDLINE CORTICAL

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

ACCURATE SCREW POSITIONING
Published articles show that MySpine technology may achieve greater accuracy than traditional freehand approaches and comparable performance to navigation assisted technique[1,2,3].



MectaLIF ANTERIOR
ANTERIOR LUMBAR INTERBODY FUSION DEVICE



The Medacta MectaLIF Anterior 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

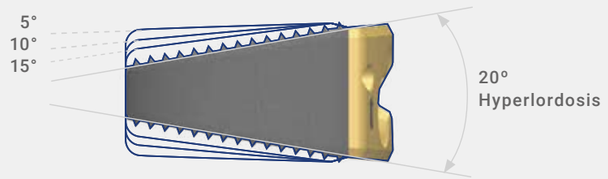
MODULAR SYSTEM
In order to accomodate specific anatomical requirements and specifical pathologies to treat, the surgeon has the ability to assemble any of the 5 available plates intraoperatively giving the complete **freedom of choice**!

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