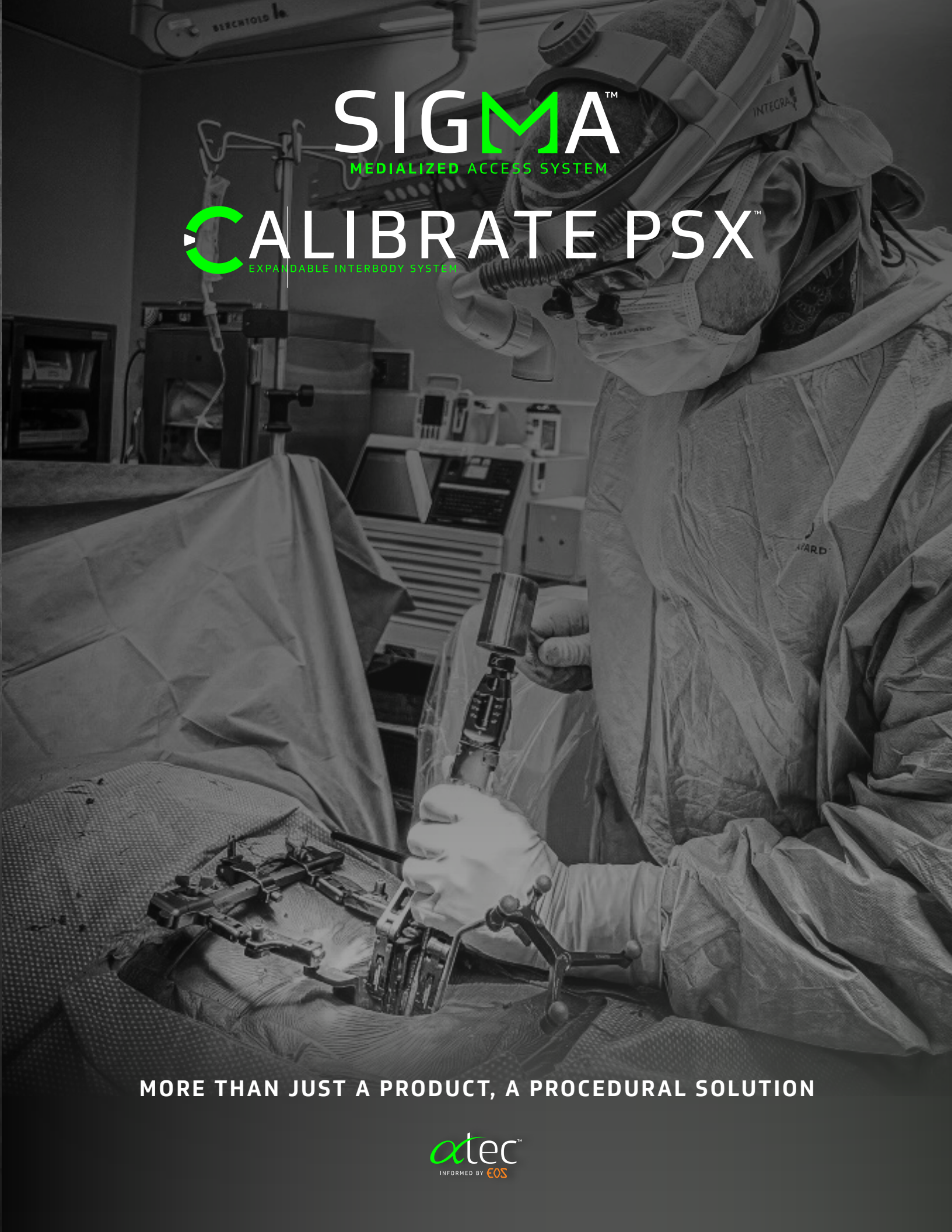




SIGMA™
MEDIALIZED ACCESS SYSTEM

CALIBRATE PSX™
EXPANDABLE INTERBODY SYSTEM

MORE THAN JUST A PRODUCT, A PROCEDURAL SOLUTION

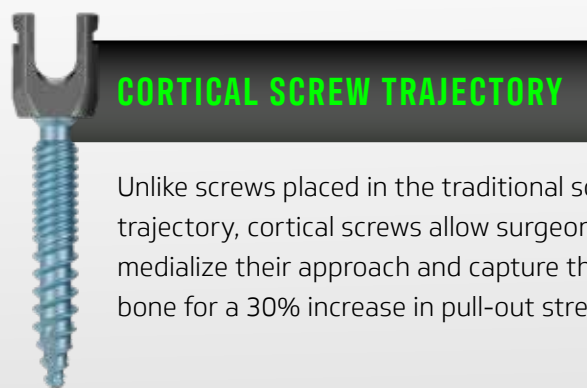
αtec™
INFORMED BY EOS

Medialized Approach

Sigma Medialized is ATEC's premier medialized access system designed to simplify the bilateral midline approach. The utilization of this revolutionary approach offers the opportunity for bilateral decompression, proper alignment of the anterior column, increased stabilization with cortical screws, and a larger footprint with bilateral cages for greater fusion.



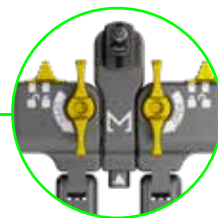
Stabilize Retractor
by attaching rigidly
to the table.



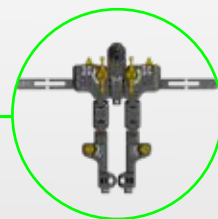
Unlike screws placed in the traditional screw trajectory, cortical screws allow surgeons to medialize their approach and capture the cortical bone for a 30% increase in pull-out strength.^{1,2}

¹Santoni BG, Hynes RA, McGilvray KC, et al. Cortical bone trajectory for lumbar pedicle screws. *Spine J* 2009;6:14-7.

²Ueno M, Sakai R, Tanaka K, et al. Should we use cortical bone screws for cortical bone trajectory? *J Neurosurg Spine* 2015;22:416-21.



Close Quickly
with adjustable locking post
for easy retractor removal.



Customize Access
by utilizing either
unilateral or bilateral
retraction capabilities.



Limit Trauma

to tissue with an additional 35° of splay to the lateral aspects of the facets.

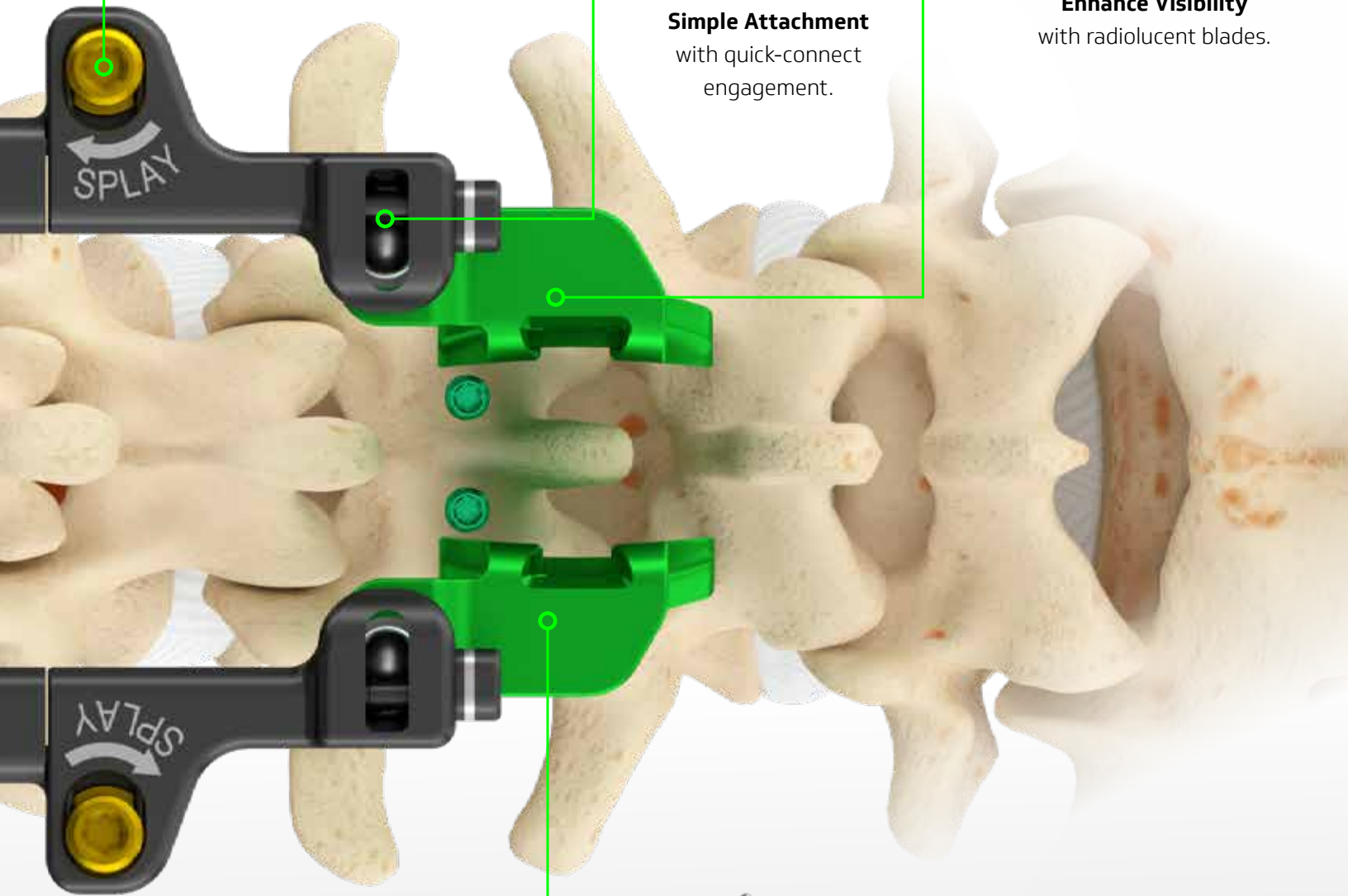


Simple Attachment

with quick-connect engagement.



Enhance Visibility
with radiolucent blades.



Modify Exposure

with multiple blade options to accommodate preferred surgeon technique.



Standard Blade



Narrow Blade



Split Blade

CALIBRATE PSX[™]

EXPANDABLE INTERBODY SYSTEM

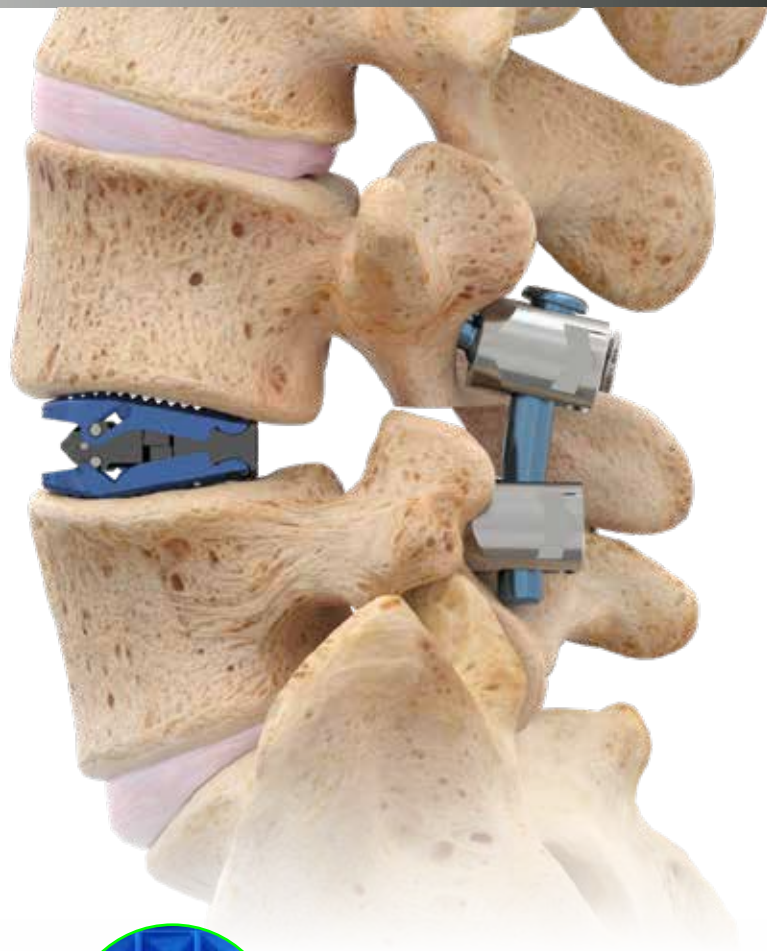
Lordotic Expandable

Calibrate PSX is ATEC's premier expandable interbody system designed to induce lordosis while anatomically replicating the concavity of the endplates to maximize bone contact and decrease risk of subsidence.

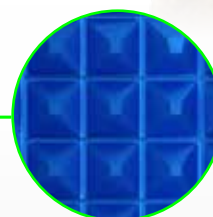
FOOTPRINT OPTIONS

Interbody footprint can be a crucial element when deciding which approach is best suited for a patient. A larger footprint is typically associated with a decreased risk of subsidence.³

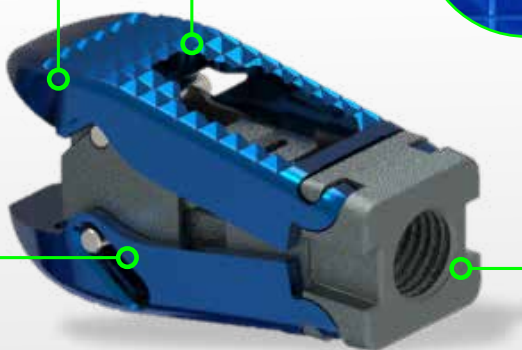
The Calibrate PSX line offers cages in widths of 10, 14, and 18 mm for those looking to maximize the footprint.



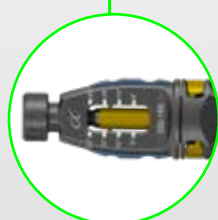
Insert with Ease
into a collapsed disc
space with a 2 mm
bullet-tipped tip.



Reduce Migration
with anti-migration teeth.



Minimize Passes
by post-packing
biologics through the
attached inserter.

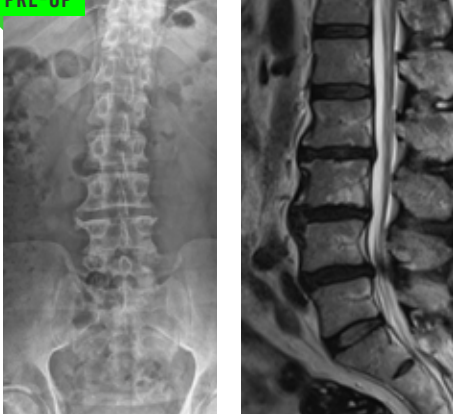


Restore Alignment
with the ability to increment cage
angle between 0 and 20°.

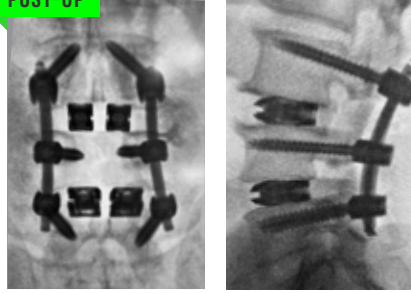
45 YEAR-OLD MALE

- L3-4 foraminal disc herniation with stenosis and L4-5 spondylolisthesis with severe stenosis.
- A 2-level PLIF was performed at L3-5 in order to directly decompress the patient's stenosis and disc herniation, an osteotomy was done at both levels to maximize the lordosis of the implant, and bilateral PSX cages were placed to maximize footprint and fusion rate. The construct was backed with Invictus® tower fixation and compressed for added lordosis.

PRE-OP



POST-OP



STEPHEN TOLHURST, MD
Orthopedic Spine Surgeon
Flower Mound, TX

"I used two cages at each level to maximize the footprint and performed an osteotomy at both levels to maximize lumbar lordosis through the lordotic spacers."

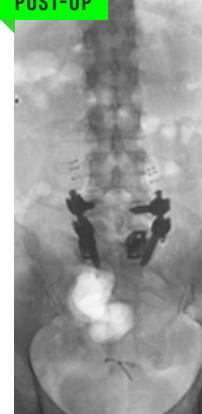
45 YEAR-OLD MALE

- Severe DDD at L5-S1 leading to bilateral foraminal stenosis
- A bilateral TLIF was performed utilizing dual Calibrate PSX cages with an ALL release to achieve optimal lordosis with cage expansion.

PRE-OP



POST-OP



ANTOINE TOHMEH, MD
Orthopedic Surgeon
Spokane, WA

"PSX's unique characteristics allow me to easily insert and position the cage reproducibly to engage the strongest bone, while the controlled distraction gives me the ability to dial in the ideal height and lordosis."



CUSTOMER SERVICE

Toll Free: 800.922.1356

Local: 760.431.9286

atecspine.com

1950 Camino Vida Roble, Carlsbad, CA 92008

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