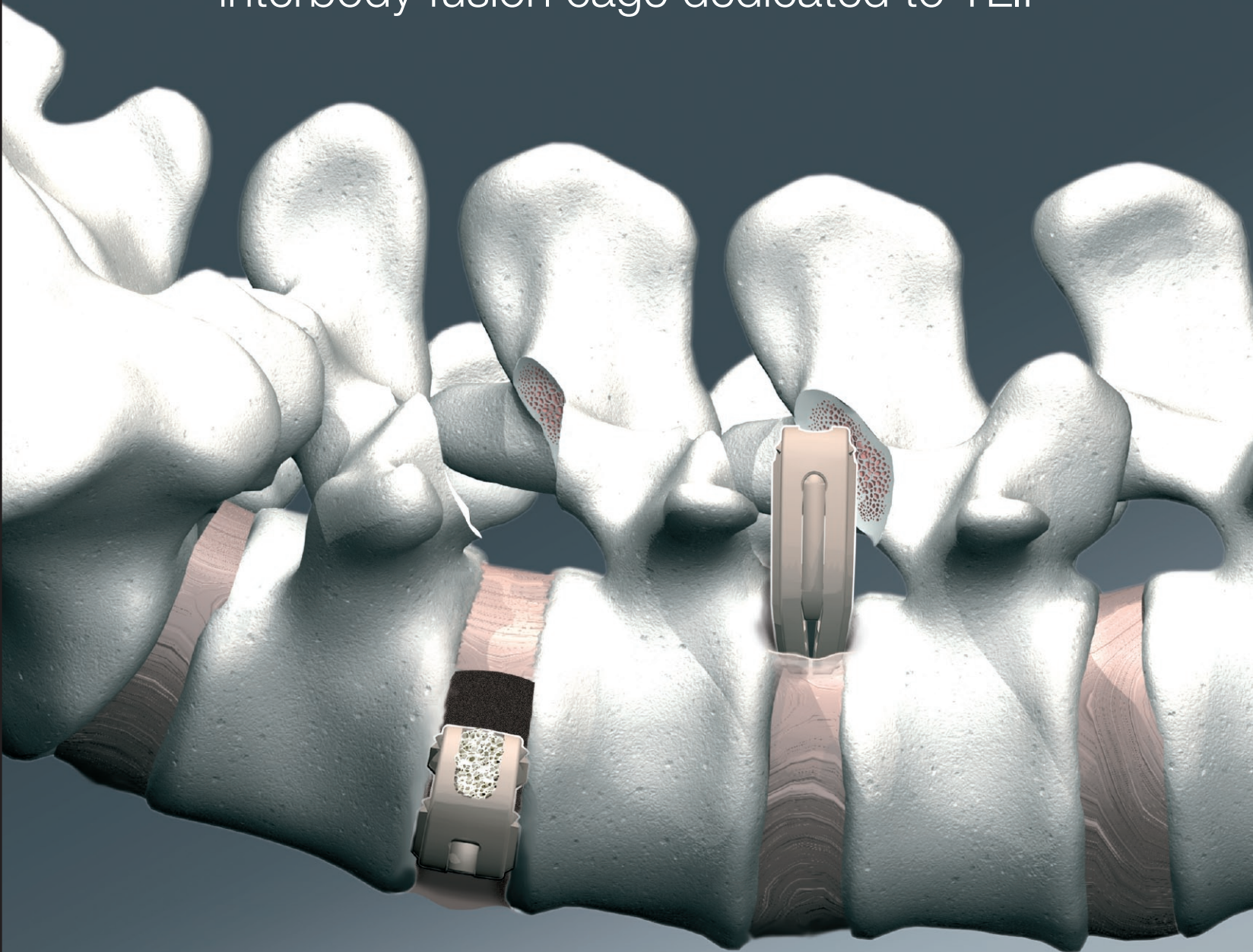


Transforaminal lumbar interbody fusion

SmartCage-L™

Expandable and self-positioning
interbody fusion cage dedicated to TLIF



Smart  Spine
www.smartspine.fr

CE 1014 - Patent protected

SmartCage-L™

Instrumentation : ergonomics and simplicity

Dedicated to the Transforaminal Approach

Allows an unilateral approach, of the painful side only.

It minimizes dural exposure, reduces iatrogenic neurological lesion risks due to excessive root traction and avoids dissection of epidural scar during revision surgeries.



Unique Expansion Feature

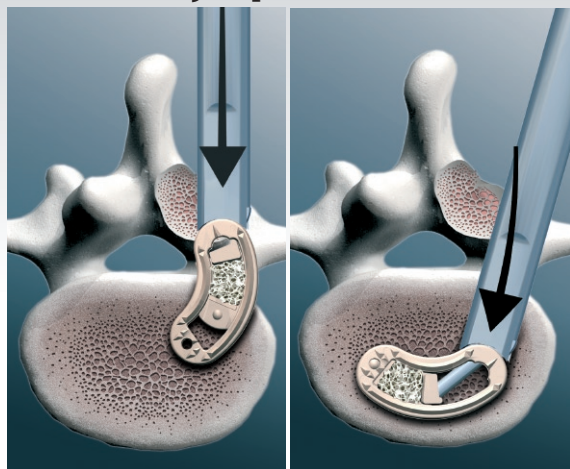
Ease cage insertion even in severely collapsed disc spaces and asymmetrical discopathy.

Its wedge shape avoids subsidence risk due to endplates damages during progression.

Thus the risk for secondary posterior rejection is avoided.



Procedure in 3 steps



Insertion : The cage and the holder are initially lined up to facilitate entry.

The wedge-like profile makes the cage insertion process a straightforward and an easy task.

Positioning : The cage is moved to its final location with minimal efforts, thanks to the cage shape and the unique cage holder design & ergonomics.

Expansion : The cage holder pushes the slider which expands the cage, opens the opposite side and rebalances the disc space in a strictly parallel configuration.



The cage holder

The unique, high tech holder allows a perfect cage positioning due to its swivelling feature.

It is engineered to always position the cage symmetrically to the sagittal plane and in the medial or front part of the disc space, as desired.

Anatomic Biconvex Shape

Perfectly adapted to the natural disc space, provides ample contacting surfaces and restores natural lordosis.



Optimum Fusion Conditions

Bone graft is transferred to the opposed lateral space.

Additional bone graft material is inserted through the lateral window and all around the cage to entirely fill the disc space and ensure optimal fusion conditions.



Clinical case :
Degenerative Disc Disease with major instability.
(12 Months followup shown)

SmartCage-L features

Material : The biocompatibility and mechanical properties of Peek-Optima® are perfectly suited for interbody applications. The addition of BaSO₄ provides partial X-Ray opacity for better positioning control and allows the fusion monitoring.

Available sizes : available in 4 heights ranging from 7 to 13 mm, corresponding to all pathological situations.

Distributed by :

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