



Welllex™



**Médicos de El Salvador**

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**Dynamic Stabilization** Technology

Interspinous  
Process  
Technology

Dynamic  
Extension  
Controller

10 years of  
research...

COMPRESSIBLE & DYNAMIC...

EXTENSION CONTROLLER...



*After many years of using interspinous process extension blockers in the treatment of early stage degenerative disc disease often associated with spinal stenosis, I began to search for more physiological systems. I quickly realized that I could not find an interspinous technology that effectively complied with the dynamic nature of the spine.*

*In 2006, I introduced to Eden Spine the concept of "Compressible Dynamic Extension Controller" that not only relieves pain, but also positively impacts the long term health of the segment through its ability to dynamically control extension while protecting and maintaining the neutral zone.*

*The Wellex is now finalized and we look forward to the positive impact it will have in the treatment of spinal stenosis.*

Dr. Jean-Marc Fuentes  
Neurosurgeon



## BRIEF HISTORY

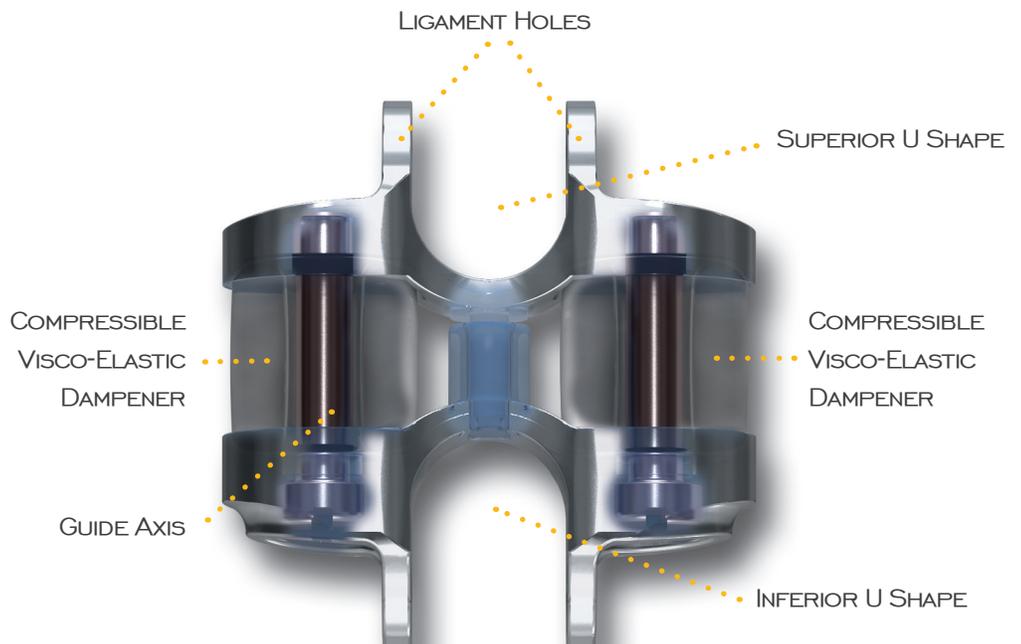
The WELLEX™ Interspinous Process Technology aims at perfecting the balance between motion and stability by restoring the posterior tension band, the facet congruence and the foraminal height. The Wellex, developed by Dr. Jean-Marc Fuentes from France and Eden Spine, is based on over ten years of clinical experience with similar type devices.

Its unique characteristics establish it as the latest generation of extension controllers, positioning it to be the solution of choice for patients who are unresponsive to conservative treatment, not willing to suffer the consequences of a fusion and in need of pain relief from spinal stenosis.

A Wellex surgery is minimally invasive, with reduced operative time and no removal of bony and soft tissue. In addition, implants are customized pre-operatively to adapt to patient morphology and provide the best possible results.

Biomechanically, the Wellex maintains flexion, axial rotation and lateral bending but more importantly, it is not an extension blocker! It controls extension dynamically, positively impacting the neutral zone and reducing disc and facet loading. Multi-level implantations are possible.

## DESCRIPTION



The Wellelex™ is capable to support a load while maintaining its axial range of motion. It allows a movement that dynamically controls extension, restores natural balance & nonlinear physiological motion.

**KEY BENEFITS**

- ▶ Restores and maintains intervertebral dimensions
- ▶ Reduces abnormal posterior loading
- ▶ Increases the segmental stiffness
- ▶ Restores facet congruence
- ▶ Maintain physiologic kinematics of the FSU
- ▶ Allows movement in flexion, extension, lateral bending
- ▶ Limits motion, especially in the neutral zone
- ▶ Fills the gap between conservative less effective care & riskier fusion

**CLINICAL INDICATIONS**

- ▶ Spinal stenosis
- ▶ Disc herniation
- ▶ Sagittal imbalance

**Customize... adjustable stiffness**

The surgeon has a choice of stiffness allowing him to adapt the implant to the patient's morphology.

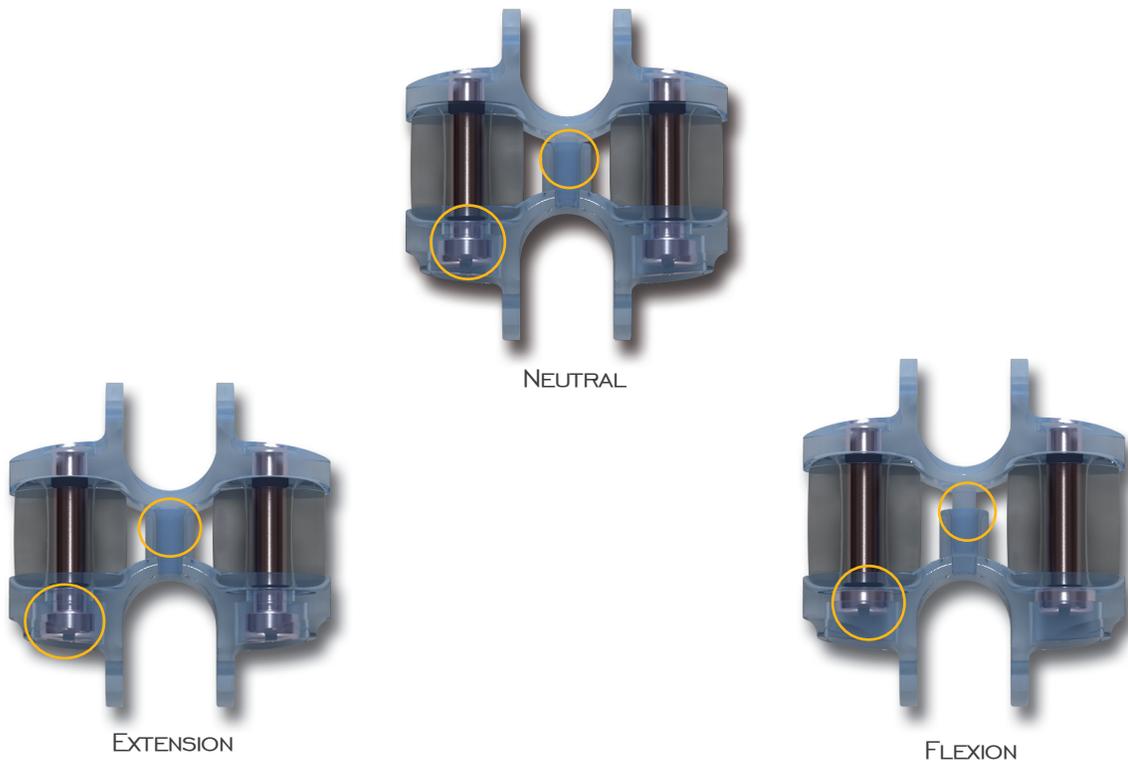
**Compression...**



Insertion of the device is achieved in a compressed state. The inserter maintains the device in compression avoiding removal of bony elements of the spinous process. It also avoids the risk of implant migration.

*Currently not for sales in the United States.*

**WELLELEX™ KINEMATICS**



## Eden Spine Fact Sheet

Eden Spine is a US spinal organization, headquartered in Orlando, Florida, with offices in Charlotte, NC and Geneva, Switzerland.

Eden Spine has a wholly owned European subsidiary, Eden Spine Europe SA, based in Switzerland, dedicated to non-fusion.

Eden Spine's management team is creating shareholder value by simultaneously emphasizing Sales and R&D.

Eden Spine is an "R&D Organization," launched in 2005, focused on solving spine's toughest problem: "How to remove pain without removing motion?"

Eden Spine is a "Sales and Marketing Organization" built around a network of independent agents currently spread in the Southeast United States.

Eden Spine has proven its expertise in the motion preservation arena with the development of three highly differentiated technologies, the WellDisc™, the Wellex™ Interspinous Technologies, and the FX1™ Dynamic Rod.

Eden Spine sells a comprehensive range and fusion technologies FDA cleared.



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