WELLEX INTERSPINOUS TECHNOLOGY

PRESENTATION

Distribuidores y representantes Exclusivos

Médicos de El Salvador

http://www.medicosdeelsalvador.com
BRIEF HISTORY...

2007
Testing

2008
CE Mark

2009
Clinical Launch

2010
Global Expansion

5 cm
Lumbar instability: the degenerative process can be described as follows:

- **Degeneration**
- **Instability**
  - Abnormal loading
  - Reduced disc height
  - Ligament laxity
  - Facet joint degeneration
- **Re-stabilization**

Abnormal kinematics of the FSU

A: normal disc
B to D: degenerative changes
Use a dynamic technology (Wellex) that will provide controlled segmental mobility while:

- Restoring the posterior tension band
- Reducing abnormal facet loading
- Restoring facets congruence
- Restoring foraminal height
The Wellex has been designed to:

- **Restore and maintain intervertebral dimensions:**
  - It reduces abnormal posterior loading
  - It increases the segmental stiffness
  - It restores the facet congruence

- **Maintain physiologic kinematics of the FSU**
  - It allows movement in:
    - Flexion
    - Extension
    - Lateral bending

- **Control motion**

  ... especially in the neutral zone
Superior U shape

Inferior U shape

Superior support

Inferior support

Ligament holes

Visco elastic part

Guide axis

Extension

Neutral Position

Flexion
The WELLEX is specifically designed for the treatment of degenerative conditions of the spine:

1. Herniated disc
2. Spinal canal and foraminal stenosis
3. Segmental instability
4. Attachment adjacent to an arthrodesis

* Currently for International use only.
4 Key Differentiating Factors

- Dynamic
- Adjustable
- Compressible
- Physiologic

UNIQUE
“Controls movement dynamically in all planes and all directions

*Does not block extension, maintaining the Neutral Zone for better long term results*

Flexion – Extension - Axial Rotation - Lateral Bending
Compression
"Inserted compressed in a minimally invasive fashion. No need to remove bony elements of the spinous process, avoiding the risk of implant migration."
“Viscoelastic material allows for physiological nonlinear motion”
Differentiating Factor #4

- Dynamic
- Adjustable
- Compressible
- Physiologic

Personalized to patient physical characteristics
Surgeon has 2 stiffness options intra-operatively

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**Option 1:**
Top Loading Insertion with optional ligament

**Option 2:**
Lateral Insertion (2011)
All WELLEX implants are delivered in sterile packages, under double blister pack, with sterilization control stickers, maximizing patient safety.
The WELLEX™ is the result of Dr. Fuentes’ 17 years of clinical experience with posterior non-fusion technologies.

The ability to dynamically control extension while protecting and maintaining the neutral zone is unique and addresses an unfulfilled need in the market place.

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