

**MectaLIF**<sup>®</sup> ANTERIOR

ANTERIOR LUMBAR INTERBODY FUSION DEVICE

**edacta**  
International 

Improve your quality of life with the

# ANTERIOR LUMBAR INTERBODY FUSION



## **Suffering from back pain?**

If back pain limits your daily activities, affects your mood, your health and your general well-being...

**You're certainly not alone!**

## **Has your doctor recommended an Anterior Lumbar Interbody Fusion?**

There are a number of surgical and non-surgical solutions available to treat your disease. Depending on your condition, your doctor may suggest that you undergo a spinal fusion, which is a surgical procedure used to correct problems with the vertebrae in your spine.

## The Medacta MectaLIF Anterior System may be your solution!

MectaLIF Anterior is a stand-alone spinal system specifically designed to provide your surgeon with multiple surgical options for correcting your spine. These fixation options are designed to offer the best solution to fit your spinal anatomy.



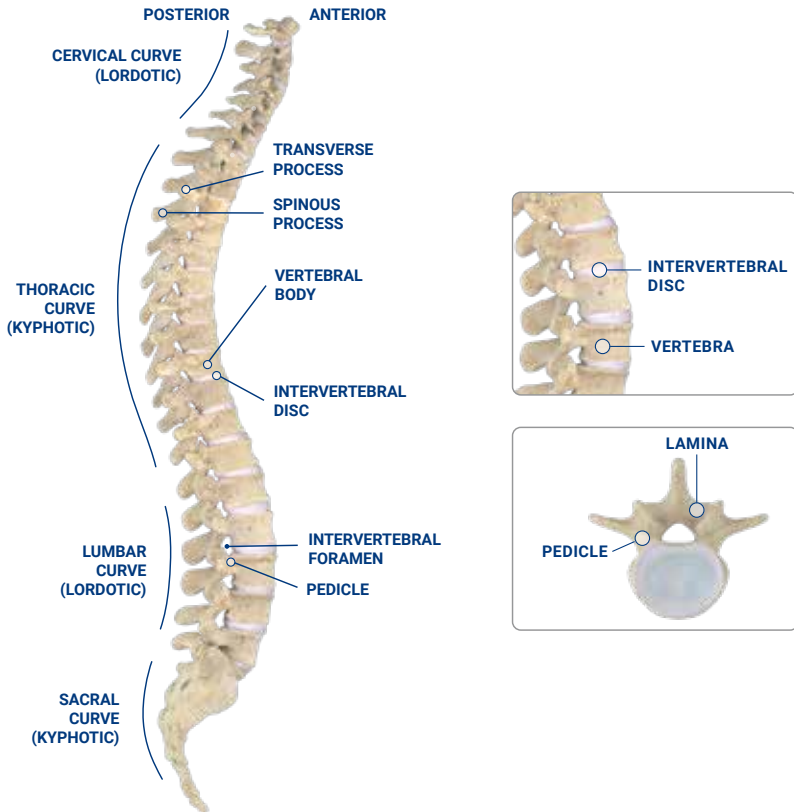
## Spine Anatomy

The spine is one of the most important structures in the human body. It supports the majority of the body's weight, provides points of attachment for muscles and ligaments, and protects the **spinal cord**. A healthy spine is strong yet flexible, allowing for a wide range of movements.

The spine is made up of individual **vertebrae** and is divided into four major regions: the **cervical curve**, the **thoracic curve**, the **lumbar curve**, and the **sacrum/coccyx**.

Discs are located between the vertebrae and act as shock absorbers to protect the vertebrae and allow spinal rotation and bending. Each disc consists of two parts:

- **Annulus fibrosus**, a tough outer fibrous ring
- **Nucleus pulposus**, a soft gelatinous center

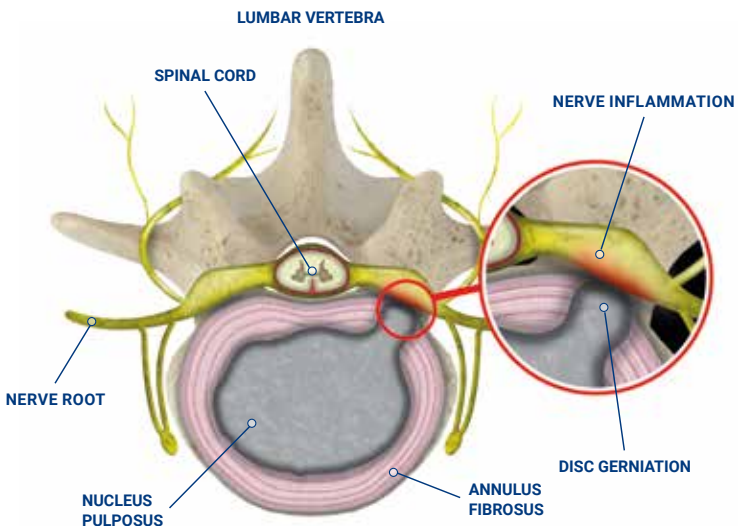


## What is Degenerative Disc Disease?

Degenerative changes in your spine may cause you instability and pain in your back. **Degenerative disc disease** (DDD) involves the degeneration of your intervertebral discs as you age which can cause your discs to lose elasticity, flexibility, and height. This may happen gradually, simply from everyday normal wear, or from a prior back injury.

When this happens, your discs lose their shock absorbing abilities which can lead to abnormal motion or misalignment of your spine, which often results in pain. **Symptoms** of degenerative disc disease may include any combination of numbness, weakness, or sharp, shooting pains in the buttocks, hips, or back of the leg. Any of these symptoms may limit activities of your daily life and affect your general well-being.

If conservative measures to control your pain, inflammation and disability are not effective, your doctor may suggest that you undergo an **Anterior Lumbar Interbody Fusion** tailored specifically to your spinal anatomy, the severity of your disease, and your overall medical condition.



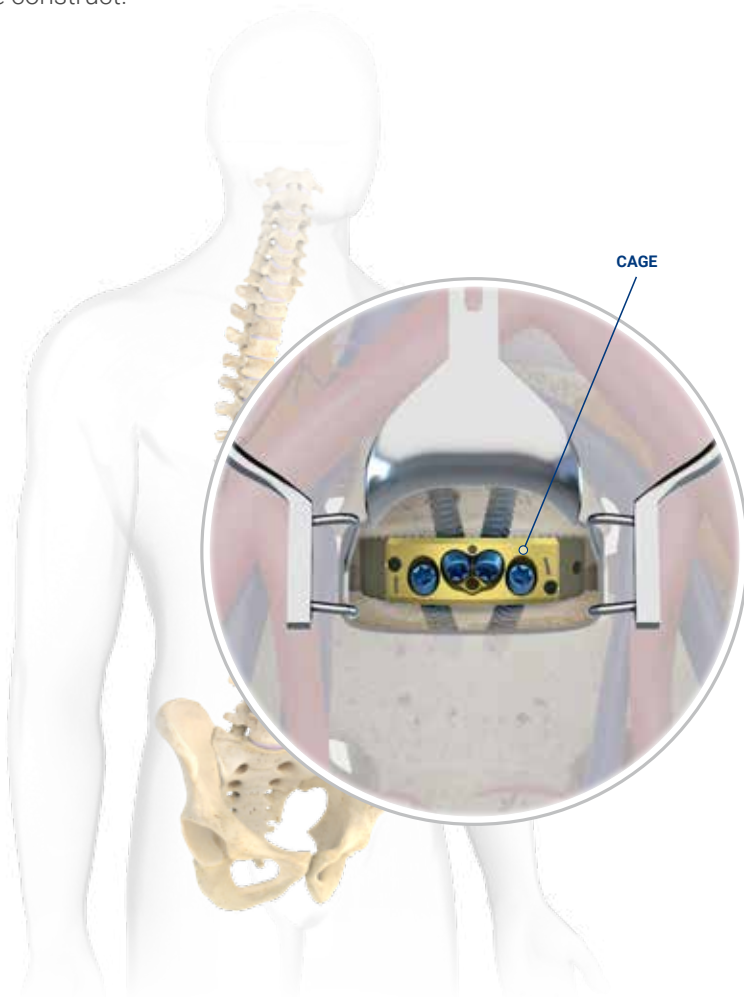
## What is an Anterior Lumbar Interbody Fusion?

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The Anterior Lumbar Interbody Fusion surgery helps to **stabilize your spine**.

Your surgeon will operate from the front of your spine to remove the damaged disc(s) (discectomy) and to replace it/them with an implant called a “**cage**”, which aims at restoring the disc height and allows for bone to grow between your vertebrae. This is called **fusion**.

The cage is matched with a **modular plate**, selected among five different designs. **Multiple screws** are inserted through the holes of the plate into the vertebral body to fix the construct.



## Why an Anterior Lumbar Interbody Fusion?

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MectaLIF Anterior is a surgical solution specifically designed to provide multiple fixation options for patients undergoing anterior lumbar interbody fusion surgery.

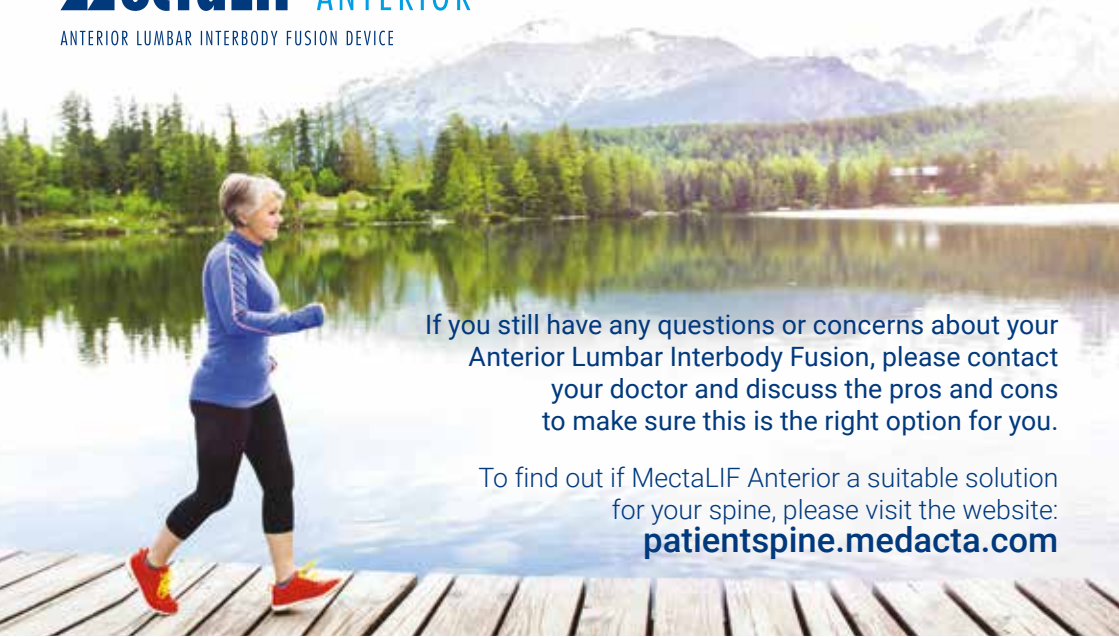
The benefits of a successful Anterior Lumbar Interbody Fusion include:

- 1. CORRECT REALIGNMENT OF YOUR SPINE AND VERTEBRAE**
- 2. MINIMALLY INVASIVE APPROACH THROUGH A SMALL INCISION**
- 3. REDUCTION IN PAIN, RECOVERY OF MOBILITY, AND IMPROVEMENT IN YOUR QUALITY OF LIFE**
- 4. POTENTIAL FOR A SHORT HOSPITAL STAY AND FAST RECOVERY**



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If you still have any questions or concerns about your Anterior Lumbar Interbody Fusion, please contact your doctor and discuss the pros and cons to make sure this is the right option for you.

To find out if Mectalif Anterior a suitable solution for your spine, please visit the website:  
**[patientspine.medacta.com](http://patientspine.medacta.com)**



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