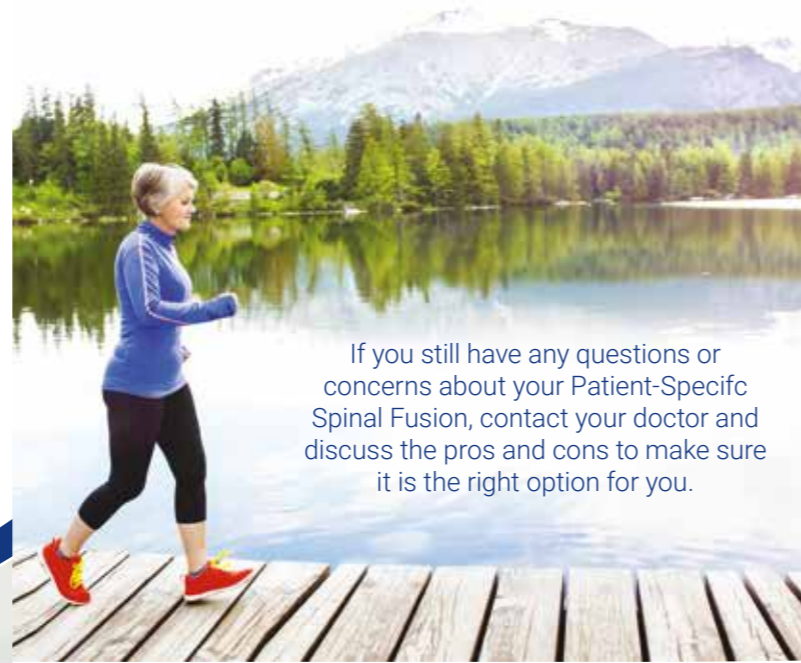


There are a number of surgical and non-surgical solutions available to treat your disease. Depending on your condition, your doctor may suggest that you undergo a spinal fusion (which is a surgical procedure used to correct problems with the vertebrae in your spine).

The Medacta MySpine Patient-Specific Platform may be your solution!

MySpine is an innovative, patient-specific surgical platform specifically designed to your personal spinal anatomy to improve clinical outcomes and reduce your radiation exposure in the operating room.



If you still have any questions or concerns about your Patient-Specific Spinal Fusion, contact your doctor and discuss the pros and cons to make sure it is the right option for you.

Improve your quality of life with the MYSPINE PATIENT-SPECIFIC SPINAL FUSION

Suffering from back, hip or leg pain?

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

You're certainly not alone!

Has your doctor recommended Patient-Specific Spinal Fusion?



"Receiving a personalized, tailored surgery that was based on my specific anatomy made me feel more confident in the surgeon. Being able to see and hold a model of my own spine with my own eyes and hands really helped me understand my pain and trust my operation. I would definitely recommend this to my peers!"

J.S., USA

To find out more about MySpine please visit the website:
patientspine.medacta.com



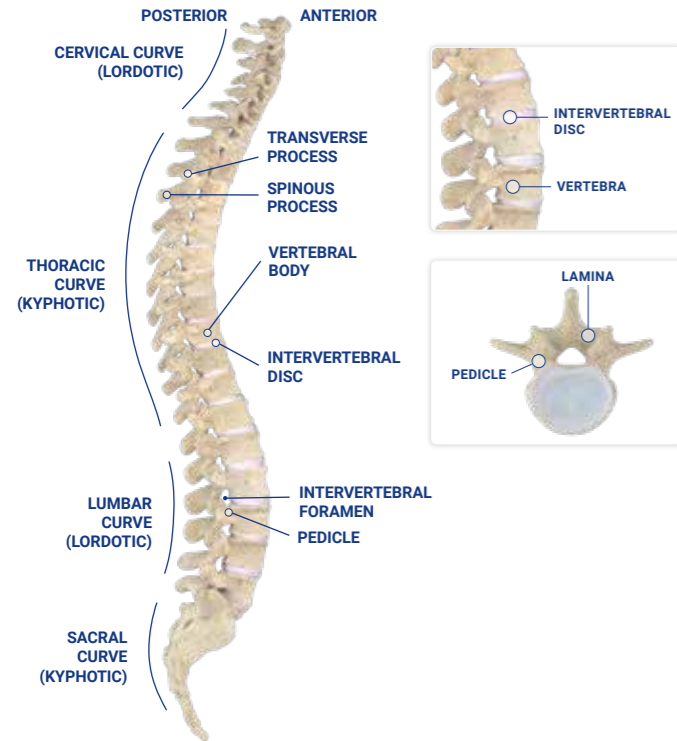
Spine Anatomy

The spine is one of the most important structures in the human body. It supports a large 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 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 in two parts:

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

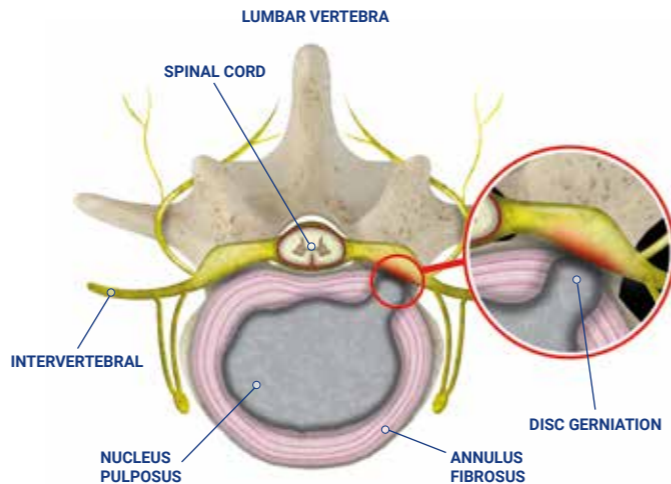


What is Degenerative Disc Disease?

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 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 a **Patient-Specific Spinal Fusion** tailored specifically to your spinal anatomy, severity of your disease, and your overall medical condition.



What is a Patient-Specific Spinal Fusion?

A patient-specific spinal fusion surgery is a means of using patient-specific, 3D-printed surgical instruments to help facilitate your spinal procedure. In most cases, your surgeon will remove the damaged intervertebral disc(s) between two vertebrae and stabilize your spine by fusing them together. Using the MySpine patient-specific surgical instruments, your surgeon will safely insert multiple pedicle screws into your vertebrae, then an interbody device is inserted into your intervertebral disc space, and the screws are connected together with metal rods to help fixate and stabilize your spine in place.

The MySpine Patient-Specific Platform provides in-depth preoperative planning to guide your surgeon and to help achieve the best clinical outcomes for you. Your surgeon will use the following devices to help stabilize your spine:

- a **patient-specific 3D printed surgical guide** to help the placement of pedicle screws accurately, safely and quickly
- a **pedicle screw** that is inserted into the pedicle of your vertebrae
- a **rod** that helps connect the individual pedicle screws to form a rigid construct
- an **interbody device** to restore the correct physiological-like height and alignment of your vertebrae



Why a Patient-Specific Spinal Fusion?

Patient-Specific Spinal Fusion is one of the most accurate and safest options for patients with degenerate disc disease affecting their lumbar spine.

The potential benefits of a successful Patient-Specific Spinal Fusion include:

- 1 REDUCED RADIATION EXPOSURE FROM START TO END**
- 2 MINIMALLY INVASIVE APPROACH THROUGH A SMALL INCISION**
- 3 REDUCTION IN PAIN, RECOVERY OF MOBILITY, AND IMPROVEMENT IN YOUR QUALITY OF LIFE**
- 4 SHORT HOSPITAL STAY AND FAST RECOVERY**

