Questions? Call toll free 1-866-249-1627

Contact us today. We're here for you seven days a week.

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**MRI Review**

**Consultation**

**Live help**

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**Home**

- Laser Spine Institute Laser Spine Institute's **minimally invasive spine** procedures are the effective alternative to open neck or back surgery.

**Conditions**

- Laser Spine Institute Laser Spine Institute's **minimally invasive spine** procedures are the effective alternative to open neck or back surgery.

**Conditions**

- Spine Conditions

  **All Spinal Conditions**

  - Spine Articles
    - Herniated Disc
  - Sciatica
  - Spinal Stenosis
  - Bulging Disc
  - Pinched Nerve
  - Scoliosis

  - Spine Conditions A to Z

    - Annular Tear
    - Arthritis of the Spine
    - Bone Spurs
    - Bulging Disc
    - Canal Stenosis
    - Collapsed Disc
    - Conditions Resources
    - Degenerative Disc Disease
    - Degenerative Joint Disease
    - Degenerative Spine
    - Disc Extrusion
    - Disc Protrusion
    - Facet Disease
    - Facet Syndrome
    - Failed Back Surgery Syndrome
    - Foraminal Narrowing
    - Foraminal Stenosis
    - Herniated Disc
    - Herniated Nucleus Pulposus (HNP)
    - Pinched Nerve
    - Prolapsed Disc
    - Ruptured Disc
    - Sciatica
    - Scoliosis
    - SI Joint Pain
    - Slipped Disc
    - Spinal Narrowing
    - Spinal Stenosis
    - Spondylitis
    - Spondylolisis
    - Torn Disc

- Procedures

**Procedures**

- There are many spinal conditions that are treated at Laser Spine Institute. All procedures are uniquely designed and developed to provide patients with the best medical care.

  - **See our minimally invasive procedures**

    - Minimally Invasive Decompression Surgery
    - Laminotomy
    - Discectomy
    - Foraminotomy
    - Facet thermal ablation
    - Minimally Invasive Stabilization
    - Decompression with Interlaminar Stabilization® Device
    - Anterior cervical discectomy fusion
    - Transforaminal lumbar interbody fusion
    - Cervical disc replacement
    - Lateral lumbar interbody fusion
    - SI joint fusion
    - Posterior cervical fusion
    - Other Treatments
"With relief, I’m back to being a mother, wife and friend.”
— Casey A., actual patient

View Testimonials

What is minimally invasive spine surgery and can this procedure help you? You can get these answers by attending an Educational Seminar.

Our physicians here at Laser Spine Institute care about you and your condition.

Contact

Live chat help

A Laser Spine Institute team member is available now to answer any questions you may have.
An annular tear occurs when the tough exterior of an intervertebral disc (the annulus fibrosus) rips or tears. Intervertebral discs serve as cushions between the vertebrae, providing support to the bone structure of the neck and back while also acting as shock absorbers. If too much stress is exerted on a disc, either from the continual performance of everyday activities such as sitting and standing, or as a result of sudden trauma, an annular tear can occur.

Types of annular tears

The annulus fibrosus is constructed of several layers, each of which can become torn. The nature of the tear and the layers it affects will be the basis for how the tear is categorized:

- Radial tears — Typically caused by the natural aging process, radial tears begin at the center of the disc and extend all the way through the outer layer of the annulus fibrosus. These tears can cause a disc to herniate, which occurs when the center nucleus of a disc extrudes through the tear to the outside of the disc.
Peripheral tears — These tears occur in the outer fibers of the annulus fibrosus and are usually brought on by traumatic injury or contact with a bone spur. Peripheral tears can lead to the degeneration or breakdown of an intervertebral disc.

Concentric tears — When a tear occurs between the layers of the annulus fibrosus circumferentially, it is called a concentric tear, which is usually caused by injury.

Diagnosing an annular tear

Patients usually seek the guidance of a primary care physician or back specialist when experiencing pain that could be associated with an annular tear. Following a physical assessment, physicians typically perform one or more diagnostic tests. This condition is usually best seen on a CT discography, which utilizes dye to identify the annular tear. However, CT discography can be painful and not well tolerated. An MRI can be used to visualize intervertebral disc architecture painlessly; however, in some cases a tear might not be visible.

Patients who suspect they could have this condition, or any other degenerative neck or back condition, should seek the care of a physician or specialist for proper diagnosis and treatment. Several treatment options are available to allow a patient to regain his or her quality of life.

Browse Related Resources

- **Resources**
  - General Information
    - Definition
    - Causes, Symptoms & Treatments
    - How Does an Annular Tear Occur
  - Symptoms & Diagnosis
    - Annular Tear Diagnosis
    - Annular Tear MRI
    - Annular Tear in the Lumbar Spine Symptoms
  - Treatments
    - Medication
    - Recovery After Surgery
      - Healing Time
      - Things to Avoid
      - Exercises
  - Risk Factors
    - Risk Factors
  - Prevention
    - Preventing an Annular Tear
    - Preventing an Annular Fissure
  - Miscellaneous
    - Ten Annular Tear Surgery Alternatives
    - Cervical Spine Effects
    - Lumbar Spine Effects
    - L4 / L5 Annular Tear
    - L5 / S1 Annular Tear
    - Additional Information

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Download your info packet on Minimally Invasive Spine Surgery & receive our e-newsletter.

Enter email address
Find out if you're a candidate
First Name
Last Name
Phone Number
ZIP
Email Address
Insurance
Have you had an MRI of your neck or back?  Yes  No

☐ I Accept
By checking the "I Accept" box, I am agreeing to the LSI terms & conditions.

Submit

Download your info packet on Annular Tear & receive our e-newsletter.
Enter email address
Download Now


You can get these answers by watching our webinar hosted by a Laser Spine Institute surgeon.

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Spine Condition Treatments
- Spinal Stenosis Treatment
- Bulging Disc Treatment
- Pinched Nerve Treatment
- Herniated Disc Treatment
- Arthritis of the Spine Treatment
- Bone Spur Treatment
- Foraminal Stenosis Treatment

Spine Surgery by Condition
- Spinal Stenosis Surgery
- Bulging Disc Surgery
- Pinched Nerve Surgery
- Herniated Disc Surgery
- Foraminal Stenosis Surgery
- Arthritis of the Spine Surgery
- Bone Spur Surgery

Spinal Procedures
- Foraminotomy Procedure
- Laminotomy Procedure
- Discectomy
- Facet Thermal Ablation
- RegenaDISC®
§Individual spine conditions, treatment and recovery times may vary. Each patient’s experience with minimally invasive spine surgery will differ. All surgical procedures involve some level of risk. If directed to pursue surgery by your physician, prompt action is advised, as waiting may reduce the efficacy of surgical treatment. Some patients may require an experience that exceeds five days and others may require as few as four days. Patients may be required to rest 48 hours post-surgery. Should the patient be given a surgical order for a stabilization, additional time might be needed prior to the procedure for insurance authorization purposes. Postoperative instructions vary from patient to patient. Follow your doctor’s advice. These procedures are reserved for those patients medically cleared and scheduled for minimally invasive treatment. Paid endorsements for Laser Spine Institute may not be for typical results. Laser Spine Institute requires each surgeon to complete an extensive Laser Spine Institute training program. MRI reviews are preliminary, and some patients’ individual medical conditions may require additional testing that Laser Spine Institute will facilitate through a third-party service provider. Diagnostic procedures in some facilities are facilitated by Laser Spine Institute through a third-party provider. Medicaid currently not accepted.

*Our MRI review is an informational review of the MRI report that you provide to us and is not a form of diagnosis. A diagnosis and a final determination of whether you may benefit from treatment at Laser Spine Institute can only be made after you have been physically examined by our medical professionals at Laser Spine Institute. The MRI Review has no value and will not be billed.

**The opinions expressed in patient testimonials are by patients only; they are not qualified medical professionals. These opinions should not be relied upon as, or in place of, the medical advice of a licensed doctor or other health care provider.

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