

Understanding Your Low Back Pain

At some point in time, almost everyone will experience low back pain. This pain can vary from mild to severe and can be short-lived or long-lasting. However it happens, low back pain can make many everyday activities difficult to do.

Anatomy

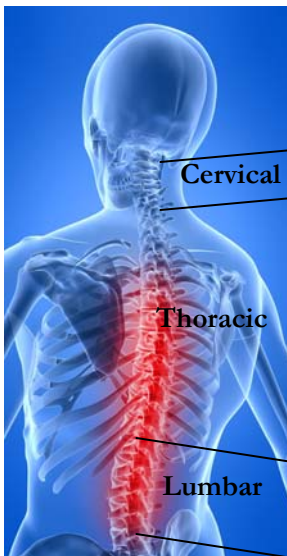
Understanding your spine and how it works can help you understand why you have low back pain.

Your spine is made up of small bones, called vertebrae, which are stacked on top of one another. Muscles, ligaments, nerves, and intervertebral disks are additional parts of your spine.

Vertebrae

Vertebrae connect to one another to create a canal that protects the spinal cord. The spine consist of three sections: cervical (neck area), thoracic (chest area), and lumbar (lower back). These three sections create the natural curves in the spine. The lower section of your spine (sacrum and coccyx) is made up of vertebrae that are fused together.

Five lumbar vertebrae connect the upper spine to the pelvis.



Can Low Back Pain Be Prevented?

No. There is not a 100% guarantee method to prevent anyone from developing low back pain. There is no way to avoid the daily normal wear and tear on our backs. However, steps can be taken to lessen the impact of low back pain.

Exercise

Combine aerobic exercise, such as running or swimming, along with specific exercises, such as abdominal contractions and wall squats to help keep the muscles in your back and abdomen strong and flexible.

Proper Lifting

Be sure to lift heavy items with your legs, not your back. Do not bend over to pick up something. Keep your back straight and bend at your knees.

Weight

Maintain a healthy weight. Obesity increases pressure on the lower back.

Proper Posture

Good posture is important for avoiding future back problems.

Rest

Getting sufficient amount of sleep at night combined with a supportive mattress is important in maintaining a healthy and happy back.

Back Packs

A heavy or incorrectly worn back pack can cause upper or low back pain or neck pain. Make sure to choose a backpack with two wide, padded shoulder straps. A rolling backpack may also be helpful.

Treatment Options

In many cases, a combination of treatments will help relieve the pain enough for you to do all of your normal daily activities.

Activity Modifications

Many people find that taking periodic breaks throughout the day helps relieve their low back pain. It is important to try and avoid sitting for extended periods of time.

Medication

Taking anti-inflammatory medicine or NSAIDS (non-steroidal anti-inflammatory drugs) such as Motrin, Advil, Naproxen or Aleve as directed by your doctor can be effective. This medication should be taken for 10 to 14 days to allow the medicine to build up therapeutic levels in the body. Taking the medication infrequently allows the medicine levels to drop, which decreases effectiveness.

Physical Therapy

Therapy can involve treatments such as heat, ice, and massage. Active physical therapy should consist of stretching your back and abdomen region, aerobic exercise such as running and swimming, and strength training.



Do you have Low Back Pain?



Children's Orthopaedic and Scoliosis Surgery Associates, LLP

Common Causes

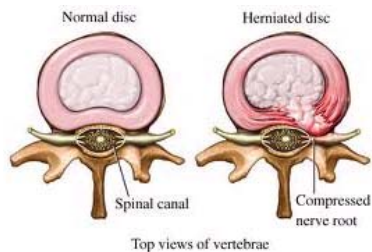
Strains and Sprains

- Muscle soreness from over activity is one of the most common causes of low back pain. Muscles and ligament fibers can be over-stretched or injured.



Herniated Disk

- An intervertebral disk herniates when its gelatinous like center or nucleus, pushes against its outer ring. When the herniated disk bulges out, through a crack in ring toward the spinal canal, it puts pressure on the sensitive spinal nerves, causing pain.



Disk Degeneration/Osteoarthritis

- Intervertebral disks begin to shrink with age. In some instances, they may completely collapse causing the bones to rub against each other. As a result, pain and stiffness occur.



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