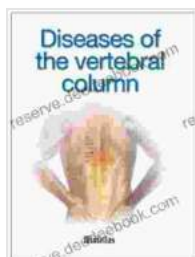


Diseases of the Vertebral Column MiniAtlas



Diseases of the vertebral column MiniAtlas by Berthold Rzany

★★★★★ 5 out of 5

Language	: English
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Screen Reader	: Supported
Enhanced typesetting	: Enabled
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The vertebral column, also known as the spine, is a complex structure that provides support, mobility, and protection for the spinal cord and other vital structures. It consists of 33 vertebrae, which are divided into five regions: cervical (neck), thoracic (chest), lumbar (lower back), sacral (pelvis), and coccygeal (tailbone). Each vertebra is composed of a body, an arch, and several processes that provide attachment points for muscles and ligaments.

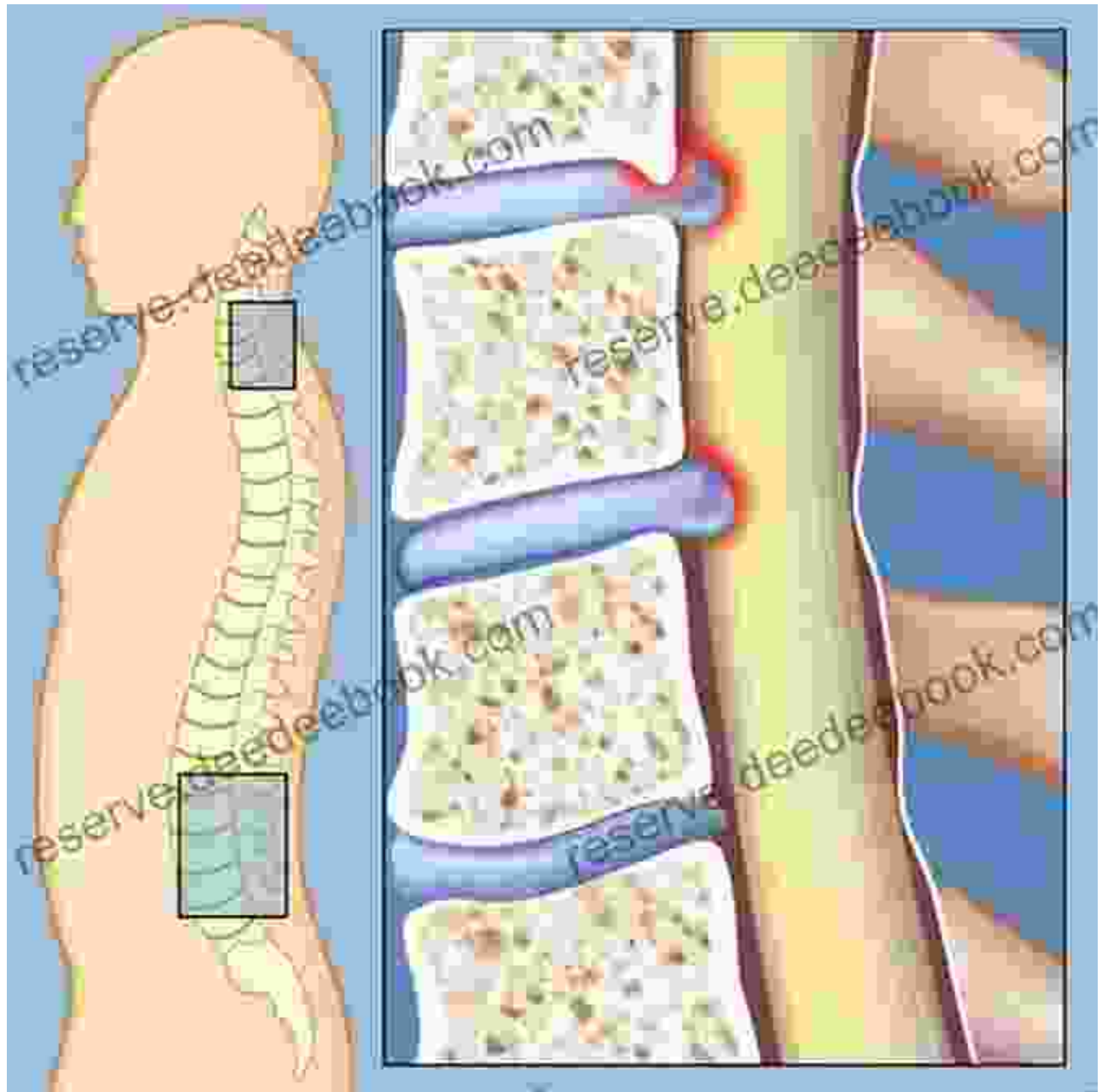
Diseases of the vertebral column can affect any part of the spine and can cause a wide range of symptoms, including pain, stiffness, numbness, weakness, and difficulty with balance and coordination. Some of the most common diseases of the vertebral column include:

- Spinal stenosis

- Herniated disc
- Spondylolisthesis
- Osteoporosis
- Spinal cord injury
- Scoliosis
- Kyphosis
- Lordosis

Spinal Stenosis

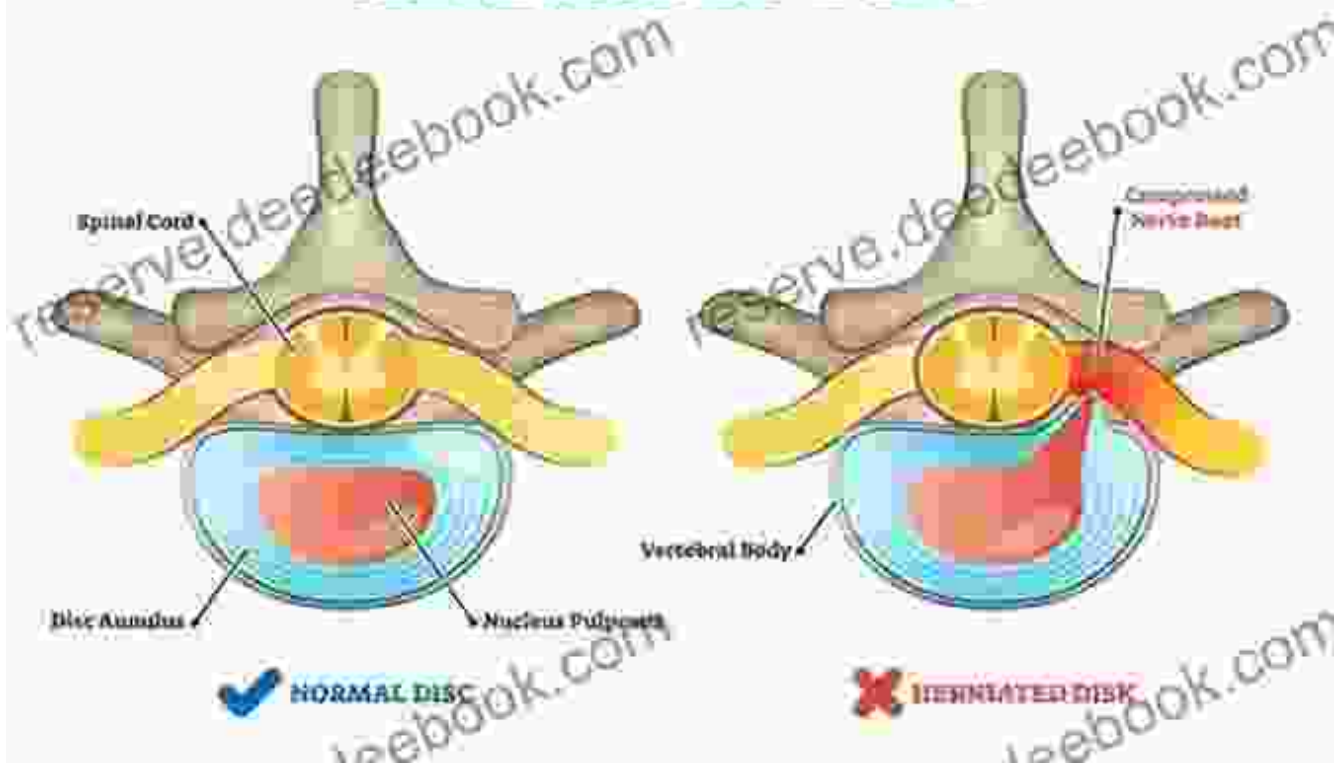
Spinal stenosis is a condition in which the spinal canal, the space through which the spinal cord passes, becomes narrowed. This can occur due to a variety of factors, including bone spurs, herniated discs, and thickened ligaments. Spinal stenosis can cause pain, numbness, weakness, and difficulty with balance and coordination.



Herniated Disc

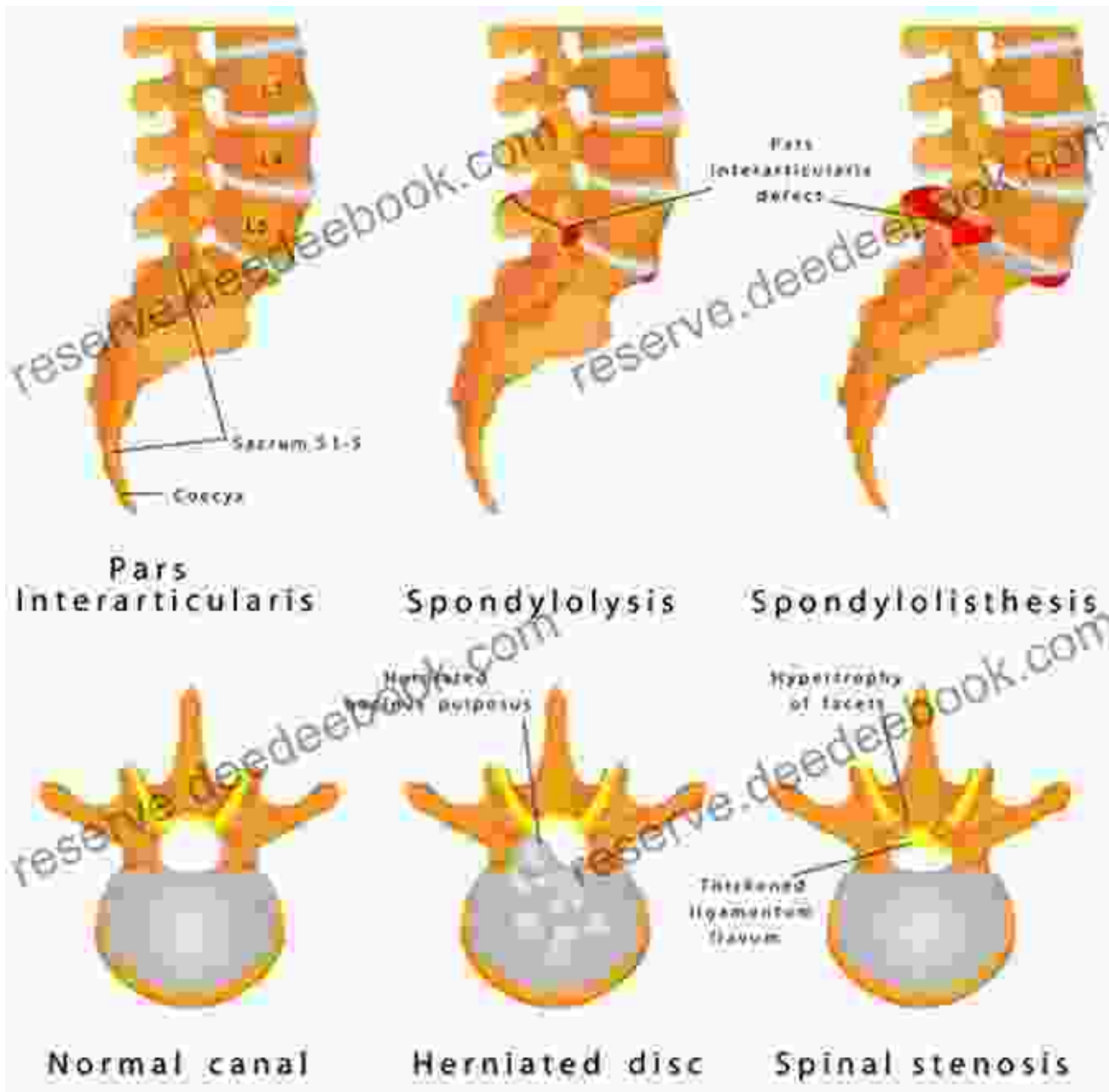
A herniated disc is a condition in which the soft, jelly-like center of an intervertebral disc pushes through the tough outer layer of the disc. This can occur due to a variety of factors, including trauma, repetitive stress, and aging. Herniated discs can cause pain, numbness, weakness, and difficulty with balance and coordination.

HERNIATED DISC



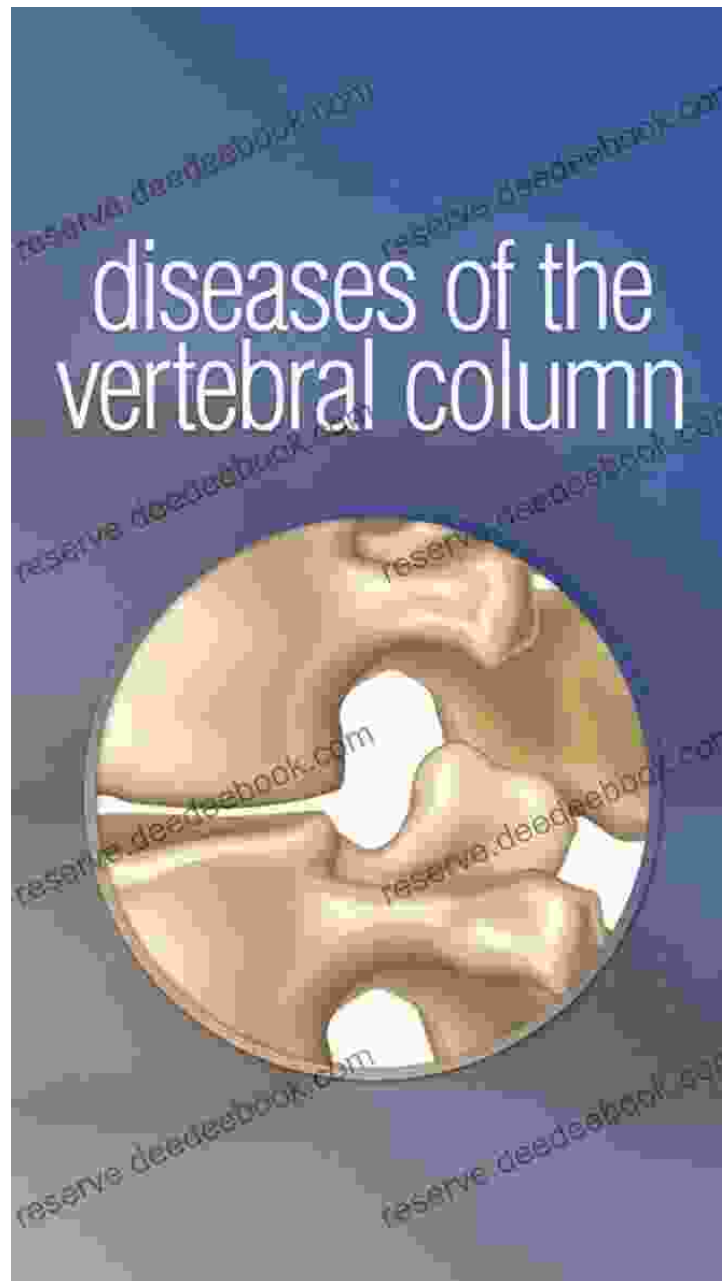
Spondylolisthesis

Spondylolisthesis is a condition in which one vertebra slips forward on top of the vertebra below it. This can occur due to a variety of factors, including trauma, repetitive stress, and birth defects. Spondylolisthesis can cause pain, numbness, weakness, and difficulty with balance and coordination.



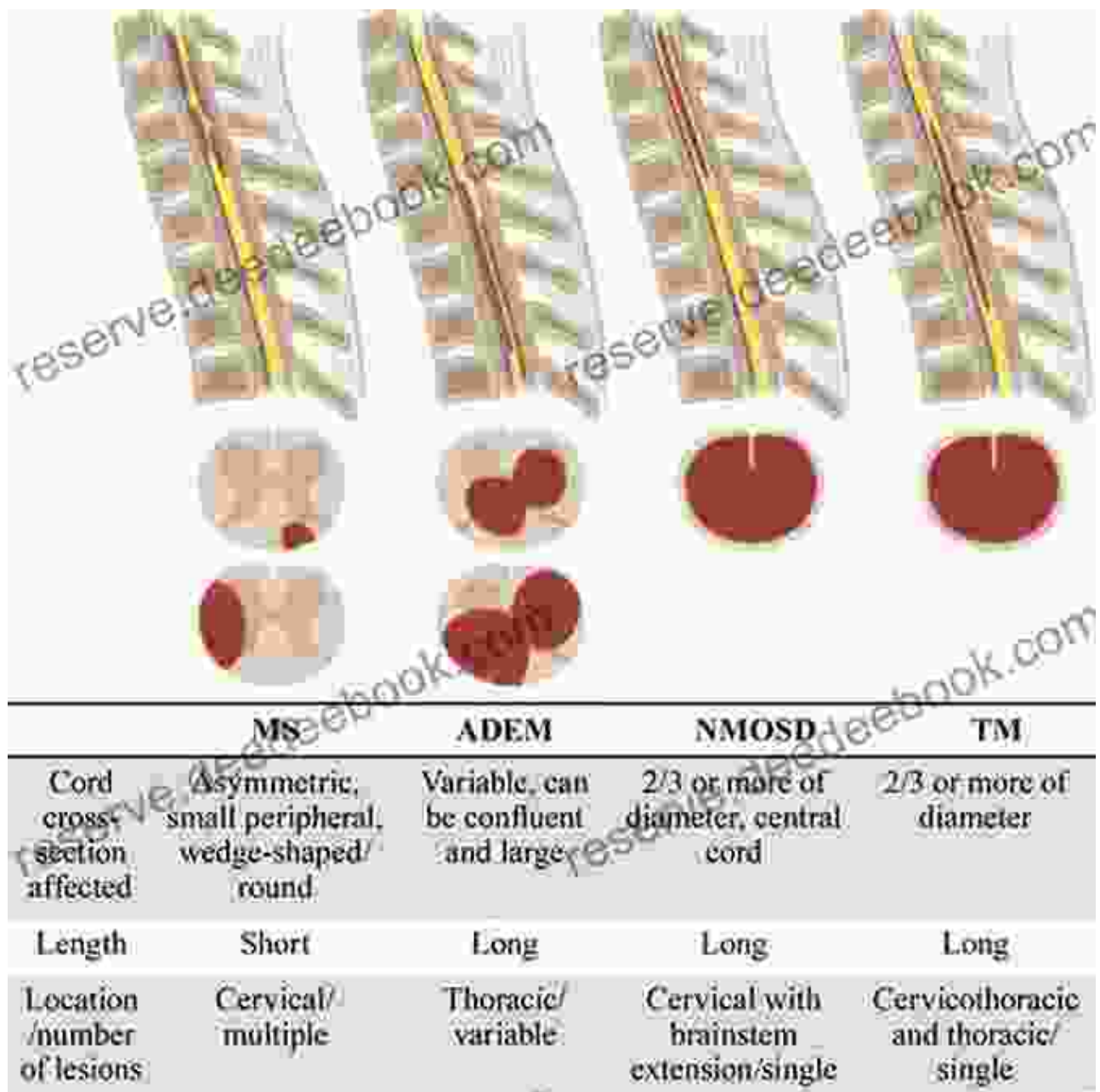
Osteoporosis

Osteoporosis is a condition in which the bones become weak and porous. This can occur due to a variety of factors, including aging, menopause, and certain medications. Osteoporosis can cause pain, fractures, and deformity of the spine.



Spinal Cord Injury

A spinal cord injury is an injury to the spinal cord that can cause paralysis, loss of sensation, and other problems. Spinal cord injuries can occur due to a variety of factors, including trauma, sports injuries, and falls. Spinal cord injuries can be devastating and can have a profound impact on a person's quality of life.



Scoliosis

Scoliosis is a condition in which the spine curves sideways. This can occur due to a variety of factors, including genetics, birth defects, and muscle imbalances. Scoliosis can cause pain, deformity of the spine, and problems with breathing and heart function.

SYMPTOMS OF SCOLIOSIS

Small spinal curves are often unnoticeable until a child hits a growth spurt during puberty. When symptoms do start to show, they typically include:

- Prominence of ribs on one side
- Tilted, uneven shoulders, with one shoulder blade sticking out more than the other
- One hip higher than the other
- Uneven waistline

Kyphosis

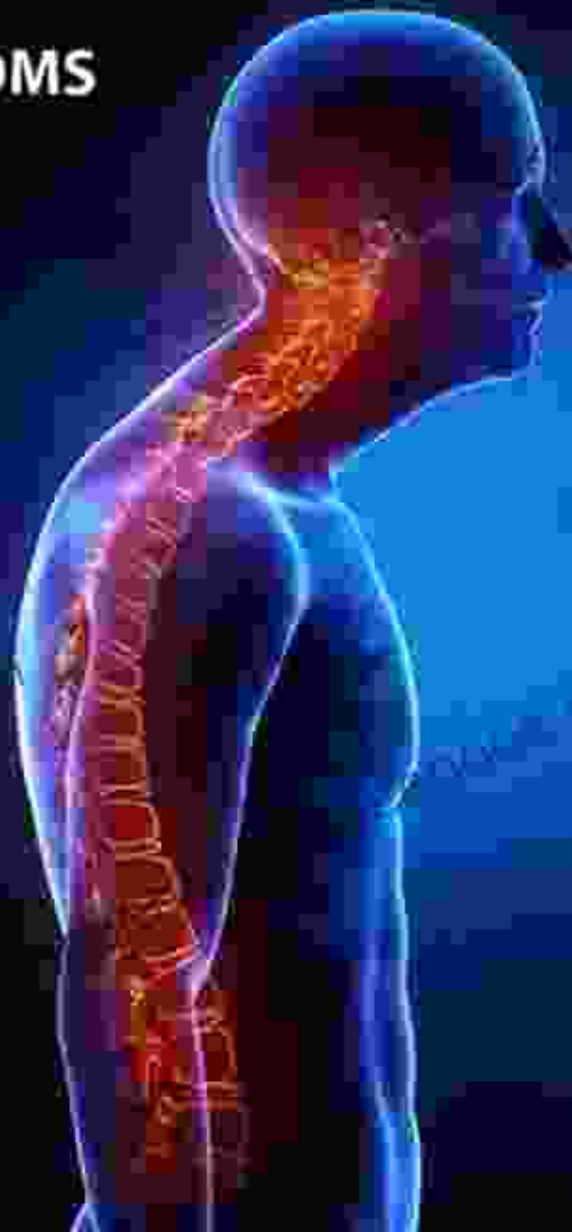
Kyphosis is a condition in which the spine curves forward. This can occur due to a variety of factors, including aging, osteoporosis, and certain muscle imbalances. Kyphosis can cause pain, deformity of the spine, and problems with breathing and heart function.

COMMON SYMPTOMS OF KYPHOSIS

- Visible hump on back
- Spine stiffness
- Rounded shoulder
- Fatigue
- Mild back pain
- Tight hamstrings (muscles in the back of the thigh)

SERIOUS SYMPTOMS

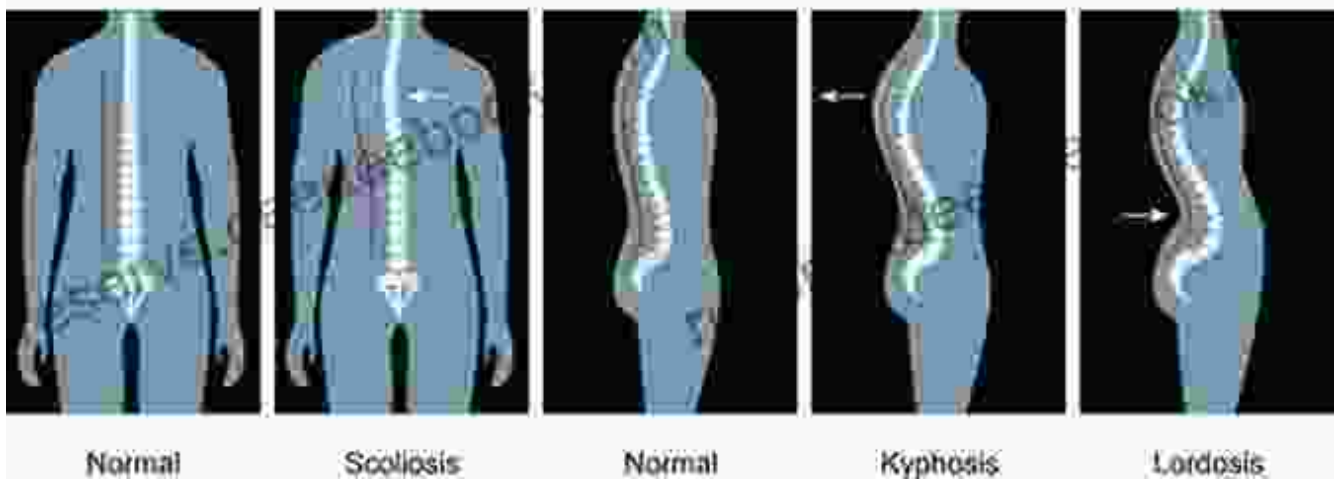
- Numbness, weakness, or tingling in the legs
- Loss of sensation
- Shortness of breath
- Breathing difficulties.



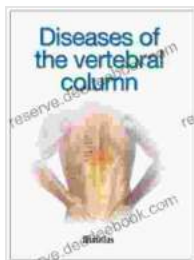
Lordosis

Lordosis is a condition in which the spine curves backward. This can occur due to a variety of factors, including genetics, obesity, and certain muscle imbalances. Lordosis can cause pain, deformity of the spine, and problems with breathing and heart function.

Spinal disease



Diseases of the vertebral column can affect people of all ages and can have a significant impact on their quality of life. Early diagnosis and treatment is important to prevent or minimize the symptoms and complications of these conditions. If you are experiencing any of the symptoms of a vertebral column disease, see your doctor for an evaluation.



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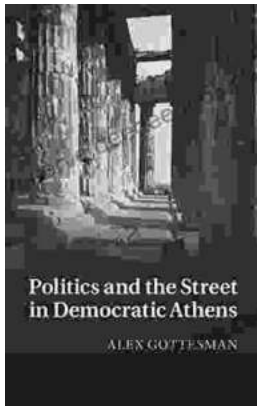
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