

# Spinal Osteotomy: A Comprehensive Guide by Patrick Tonnard

Spinal osteotomy is a major surgical procedure that can correct severe spinal deformities, such as kyphosis and scoliosis. The procedure involves cutting the bone in the spine and then realigning it. This can be a very complex and risky surgery, but it can also be very effective in restoring spinal alignment and alleviating pain.



## Spinal Osteotomy by Patrick L. Tonnard

★★★★★ 5 out of 5

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## Indications for Spinal Osteotomy

Spinal osteotomy is typically recommended for patients who have a severe spinal deformity that is causing pain, neurological symptoms, or other problems. These problems can include:

- Back pain
- Neck pain
- Numbness or tingling in the arms or legs

- Weakness in the arms or legs
- Difficulty walking or standing
- Curvature of the spine
- Asymmetrical shoulders
- Prominent rib cage

Spinal osteotomy can also be used to correct spinal deformities that are caused by other conditions, such as cerebral palsy, muscular dystrophy, or spina bifida.

### **Risks of Spinal Osteotomy**

Spinal osteotomy is a major surgery, and there are a number of risks associated with the procedure. These risks include:

- Bleeding
- Infection
- Nerve damage
- Spinal cord injury
- Paralysis
- Death

The risks of spinal osteotomy are relatively low, but they are still important to consider before undergoing the surgery.

### **Benefits of Spinal Osteotomy**

Spinal osteotomy can be a very effective surgery for correcting spinal deformities and alleviating pain. The benefits of the surgery can include:

- Reduced pain
- Improved posture
- Increased mobility
- Improved respiratory function
- Improved self-esteem

Spinal osteotomy can also help to prevent further spinal deformity and neurological problems.

### **Minimally Invasive Spinal Osteotomy**

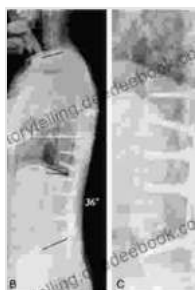
In recent years, there have been advances in minimally invasive spinal osteotomy techniques. These techniques use smaller incisions and less invasive surgical methods to correct spinal deformities. Minimally invasive spinal osteotomy is less likely to cause complications than traditional open surgery, and it can result in a faster recovery time.

Spinal osteotomy is a major surgical procedure that can be very effective in correcting spinal deformities and alleviating pain. However, the surgery is also associated with some risks. It is important to weigh the risks and benefits of the surgery before making a decision about whether or not to undergo the procedure.

If you are considering spinal osteotomy, it is important to talk to your doctor about the risks and benefits of the surgery. Your doctor can help you decide if the surgery is right for you.

## About the Author

Dr. Patrick Tonnard is a world-renowned spinal surgeon who has pioneered several innovative surgical techniques, including minimally invasive spinal osteotomy. He is the director of the Spine Center at the University of California, San Francisco. Dr. Tonnard has published over 200 scientific papers and has lectured extensively on spinal surgery around the world.



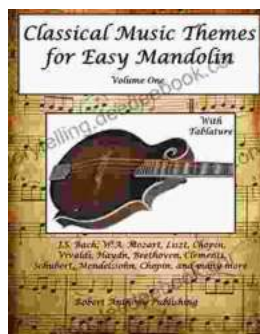
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