Minimally Invasive Spine Surgery

The goal of minimally invasive spine surgery is to decrease surgical trauma by using the natural tissue planes to minimize damage to the muscle fibers and other surrounding structures. The procedures themselves are performed through small tubes with endoscopic or microscopic visualization.

Conditions and Treatments

- Disc herniation-Cervical or Lumbar
- Cervical or Lumbar Stenosis
- Degenerative Disc Disease with Instability
- Recurrent Disc Herniation
- Degenerative Spondylolisthesis
- Degenerative Scoliosis
- Pseudoarthrosis
- Intra and Extradural Spine Tumors
- Discitis, Vertebral Osteomyelitis (without active infection)
- Post-Laminectomy Instability
- Total Disc Replacement Revision
- Junctional Disease
- Scoliosis
- Traumatic Spine Fractures
- Kyphoplasty for Osteoporosis and Fracture
- Metastatic Spine Tumor
- Laser Spine Tumor Surgery
- Endoscopic Spine Surgery

UR Medicine Neurosurgery has 11 regional locations across the Southern Tier & Finger Lakes region.

www.rochneuro.com
A revolution in the treatment of spine disease is happening now!

Over the past decade, there have been radical advances in minimally invasive surgical techniques for the treatment of spine disorders. Use of these techniques leads to decreased post-operative pain and narcotic use, dramatically lower blood loss, shorter hospital stays, and more rapid return to work.

Traditional spinal surgical techniques involve midline incisions and stripping of the back muscles from the underlying bone which can result in chronic pain from permanent muscle damage.

Minimally invasive spine techniques aim to minimize damage to normal structures by utilizing much smaller incisions, a special muscle-splitting approach so that less open exposure of anatomy is needed to do the surgery.

The region’s most advanced care for spinal disorders

Minimally invasive techniques are increasingly being recognized as the optimal way to treat spine disorders in the 21st century.

The minimally invasive spine program at the University of Rochester, brings together Neurosurgeons, Neurologists, Anesthesiologists, Nurse Practitioners, and Therapists to provide comprehensive multidisciplinary care.

Hundreds of our patients, with a wide array of spine disorders, have benefitted from the expansive scope of minimally invasive techniques we are able to offer.

We have a proven track record of providing this care successfully, both in the region and nationally.