Using a Minimally Invasive Approach to Spine Surgery

SpineNevada tries to exhaust all nonsurgical treatment alternatives before considering surgery. However, when injections and therapy fail to work, the key for a spine center is to move decisively, says Dr. James Lynch.

“SpineNevada uses state of the art minimally invasive spine surgery techniques and instrumentation whenever possible. This minimally invasive approach means a smaller incision, less disruption to tissues and a less painful recovery after surgery,” says Dr. Lynch. “Best of all the patients can go home the same day and recover in their own home.”

New innovations in spine surgery made way for the opening of SpineNevada’s Minimally Invasive Spine Institute. “Now, 90% of our spine cases can be performed with a minimally invasive approach. Only major deformity and trauma need conventional open procedures,” explains Dr. James Lynch, founder of SpineNevada. Dr. Lynch has been performing minimally invasive spine surgery techniques since 2002. He was the first neurosurgeon in Reno to perform MIS TLIF and MAS PLIF procedures as well as the first to perform both cervical and lumbar artificial disc replacements. He is a national leader in outpatient spine surgery.

In minimally invasive spine surgery, a smaller incision is made, sometimes only a half-inch in length. The surgeon inserts special surgical instruments through these tiny incisions to access the damaged disc in the spine. Entry and repair to the damaged disc or vertebrae is achieved without harming nearby muscles and tissues when using minimally invasive techniques.

Benefits of Minimally Invasive Surgery....

- Smaller incision and smaller scar
- Less damage to tissues and muscles
- Less blood loss
- Less post-operative pain
- Less painful recovery
- Quicker return to activity

Neurosurgeons

James J. Lynch, MD, FRCSI, FAANS
Board-certified Neurosurgeon
Fellowship-Trained Spine Surgeon
Dr. James Lynch is a board-certified spinal neurosurgeon with 20 years of experience, who specializes in complex spine surgery, cervical disorders, degenerative spine, spinal deformities, trauma, tumor infection and minimally invasive spine surgery. Dr. Lynch is one of a handful of spine surgeons with three fellowships in the specialty of spine surgery. Dr. Lynch was selected for Becker’s Orthopedic & Spine Review’s list of “50 of the Best Spine Specialists in America.”

Edward C. Perry, MD
Board-eligible Neurosurgeon
Fellowship-Trained Spine Surgeon
Dr. Edward Perry joins the SpineNevada team after completing fellowship training in Complex Spine at the Vanderbilt University Medical Center in Nashville in the Department of Neurosurgery. Dr. Perry completed his residency in Neurological Surgery at Loyola University Medical Center. Dr. Perry has expertise in major deformity and reconstruction techniques, revision spine surgery, spinal cord tumor removal and minimally invasive surgery techniques.

Patients can visit SpineNevada.com to watch 3D videos demonstrating minimally invasive spine procedures. The 3D videos available include the following and more:

- Lumbar disc microsurgery
- Minimally-invasive lumbar microdecompression
- Transforaminal lumbar interbody fusion (MIS-TLIF)
- Lateral lumbar interbody fusion (XLIF™)

- Cervical posterior foraminotomy
- Minimally invasive posterior cervical discectomy
- Minimally invasive anterior cervical discectomy and fusion (MIS-ACDF)
- Interlaminar lumbar instrumented fusion (ILIF)