Minimally invasive unilateral approach for bilateral decompression of spinal stenosis and modified transforaminal lumbar interbody fusion for degenerative spondylolisthesis

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This video describes a minimally invasive approach for treatment of symptomatic grade I spondylolisthesis and high-grade spinal stenosis. In this procedure, a unilateral approach for bilateral decompression is utilized in conjunction with a modified transforaminal lumbar interbody fusion and percutaneous pedicle screw fixation. The key steps in the procedure are outlined, and include positioning, fluoroscopic positioning/guidance, exposure with tubular retractor system, technique for ipsilateral and contra-lateral decompression, disc space preparation and interbody grafting, percutaneous pedicle screw and rod placement, and closure.

The video can be found here: [http://youtu.be/QTymO4Cu4B0](http://youtu.be/QTymO4Cu4B0).

Key Words • minimally invasive • spinal stenosis • transforaminal lumbar interbody fusion • spondylolisthesis • percutaneous pedicle screw placement • video