

## **Enhancing Accuracy in Robotic and Navigated Transforaminal Lumbar Interbody Fusion (TLIF) for Degenerative Spondylolisthesis**

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This video will guide through the minimally invasive surgical (MIS) procedure of transforaminal lumbar interbody fusion (TLIF) for treating spondylolisthesis, emphasizing the critical role of advanced robotic and navigation systems in ensuring surgical accuracy and efficiency.

The preparation required, including patient positioning, calibration of the robotic and navigation equipment, screw preplanning, the use of neuromonitoring, spinal decompression, and the precise placement of implants will be shown. Our expert surgical team will provide insights and tips, showcasing the seamless integration of robotic assistance to achieve optimal outcomes.

Data of accuracy and clinical outcomes from the author case series will be reported.