



Neurosurgery

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LUMBAR LAMINECTOMY, ILIAC CREST FUSION, AND PEDICLE SCREW INSTRUMENTATION FOR DEGENERATIVE SPONDYLOLISTHESIS + STENOSIS

1995 – 9-2006

1 LEVEL – 186

2 LEVEL – 46

232

	Literature (%)	NeuroSpine Center (Wascher) (Number %)	
Intraoperative Events (total patients in cohort)		(232)	
Pedicle fracture	1.2	0%	0
Screw breakout	1.0	0.4%	1
Loss of purchase	1.7	0.9%	2
Implant breakage	0.2	0%	0
Nerve root injury	0.4	0%	0
Spinal cord injury	0.1	0%	0
Vascular injury	0.1	0%	0
Misplaced screw requiring revision	?	0%	0
Vertebral body penetration of screw resulting in clinically significant tissue damage	0.3	0%	0
Dural tear from screw use	0.1	0%	0
Dural tear not from screw use	7.3	0.4%	1
Other	1.3	0%	0
Postoperative Events (total patients in cohort)		(232)	
Rod/plate fracture	0.7	0%	0
Screw fracture	2.6	0.4%	1
Screw loosened	2.8	0%	0
Screw pulled out	1.0	0%	0
Connector slippage	0.7	N/A	N/A
Cross connector slippage	0.0	N/A	N/A
Infection	2.6	0.4%	1
Bone fracture	0.7	0%	0
Symptomatic pseudoarthrosis	4.0	0%	0
Glacial instability requiring revision	4.7	2.2%	5
Painful hardware requiring removal	12.5	0.4%	1
Reoperative rate	17.6	3.4%	8
New radicular pain or deficit status unspecified	0.9	0%	0
New radicular pain or deficit-permanent	1.5	0%	0
New radicular pain or deficit-transient	3.5	0%	0

	Literature (see below) (%)	NeuroSpine Center (Wascher) (Number %)
Dural leak	0.5	0% 0
Vascular injury	0.3	0% 0
New spinal cord injury	0.2	0% 0
Other	6.6	Other: a) Cellulitis 0.4% 1 b) Wound Breakdown 0.4% 1