



GEORGIA SPINE & NEUROSURGERY CENTER

CONSERVATIVE • MINIMALLY INVASIVE • PROVEN RESULTS

PRACTICE OVERVIEW & PATIENT OUTCOMES 2007-2011

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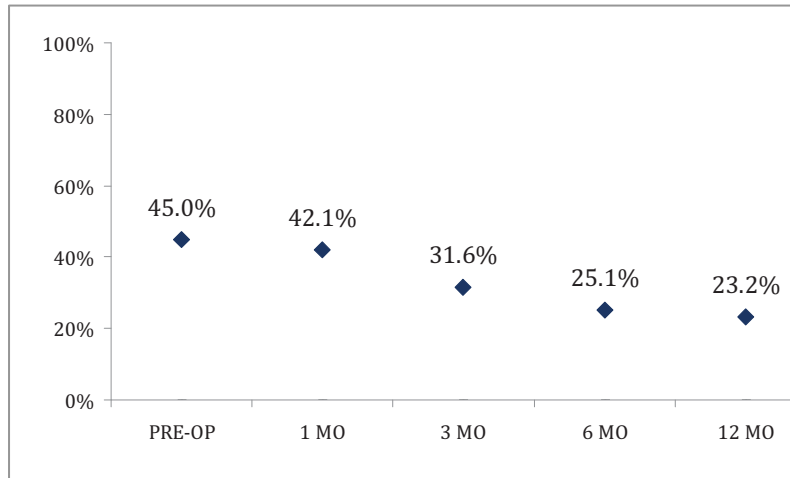
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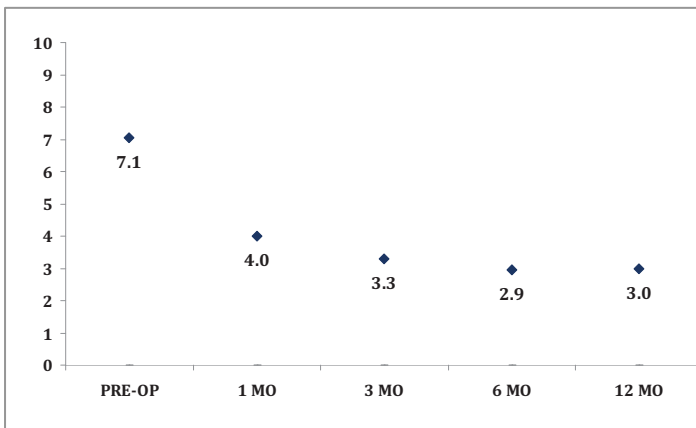
Patient Profile	Lumbar Fusion (N=282)	Non-Deformity (N =239)	Deformity (N = 43)
Age (years) – mean ± SD	58.0 ± 12.9	56.1 ± 12.7	66.4 ± 7.69
Sex – n (%)			
Female	187 (66.3)	156 (65.3)	31 (72.1)
BMI – mean ± SD	28.2 ± 4.85	28.2 ± 4.88	28.4 ± 4.70
Tobacco Use – n (%)	104 (36.9)	94 (39.3)	10 (23.3)
Co-Morbidities – n (%)			
Hypertension	142 (50.4)	117 (49.0)	25 (58.1)
High cholesterol	94 (33.3)	76 (31.8)	18 (41.9)
GERD	88 (31.2)	70 (29.3)	18 (41.9)
Depression	71 (25.2)	59 (24.7)	12 (27.9)
Diabetes	49 (17.3)	44 (18.4)	5 (11.6)
Co-Morbidities Per Patient – n (%)			
None	39 (13.8)	39 (16.3)	0 (0.00)
1-2	116 (41.1)	99 (41.4)	17 (39.5)
3-4	81 (28.7)	68 (28.5)	13 (30.2)
5 or more	46 (16.3)	33 (13.8)	13 (30.2)
Conservative Treatments Per Patient– n (%)			
None	1 (0.35)	1 (0.42)	0 (0.00)
1-2	122 (43.3)	99 (42.4)	23 (53.5)
3-4	134 (47.5)	117 (49.0)	18 (41.9)
5 or more	24 (8.51)	22 (9.21)	2 (4.65)

Treatment Summary	Lumbar Fusion (N=282)	Non-Deformity (N =239)	Deformity (N = 43)
Disc Levels Treated – total	467	294	173
Disc Level Per Pt – mean	1.66	1.23	4.00
Fusion Levels Per Pt – n (%)			
One	192 (62.1)	190 (79.5)	2 (4.65)
Two	44 (15.6)	41 (17.2)	3 (6.98)
Three	17 (6.03)	8 (3.35)	9 (20.9)
Four or more	29 (10.3)	0 (0.00)	29 (67.4)
Fusion Approach – n (%)			
Lateral MIS	173 (61.3)	139 (58.2)	34 (79.1)
Anterior	98 (34.8)	96 (40.2)	2 (4.65)
Combined	11 (3.90)	4 (16.7)	7 (16.3)
Supplemental Posterior Procedure– n (%)			
Decompression	95 (33.7)	84 (35.1)	11 (25.6)
Instrumentation	236 (83.7)	200 (83.7)	36 (83.7)
Surgical Results – mean			
LOS (days)	1.99	1.75	3.38
EBL (mL)	90.7	88.4	104
OR Time (mins)	127	124	143

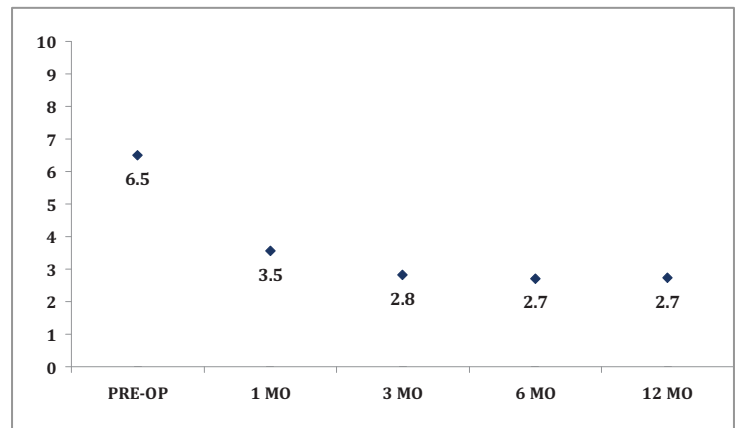
Oswestry Disability Index



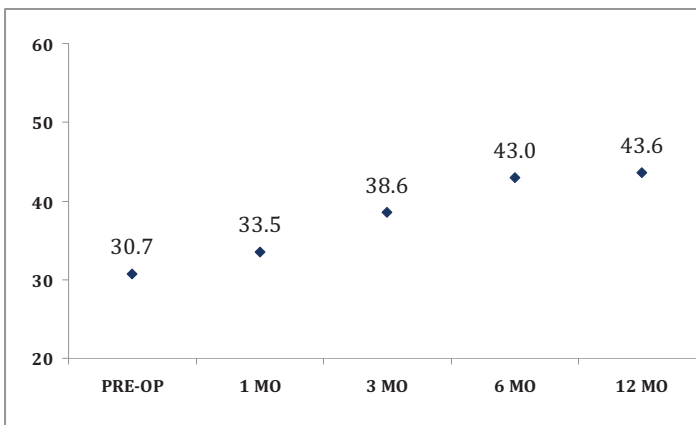
Visual Analog Scale: Low Back Pain



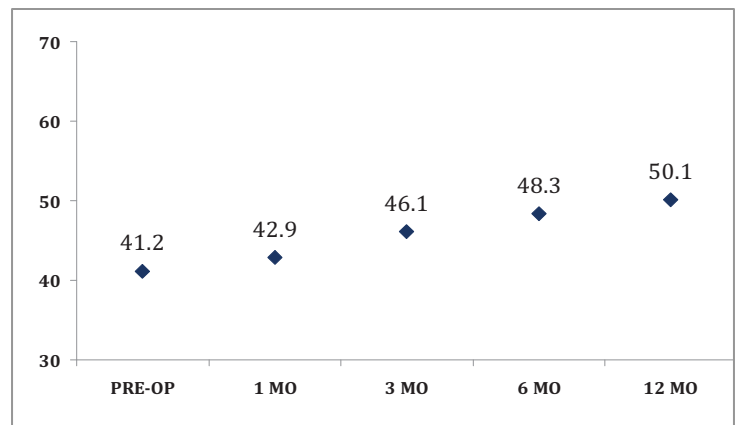
Visual Analog Scale: Leg Pain



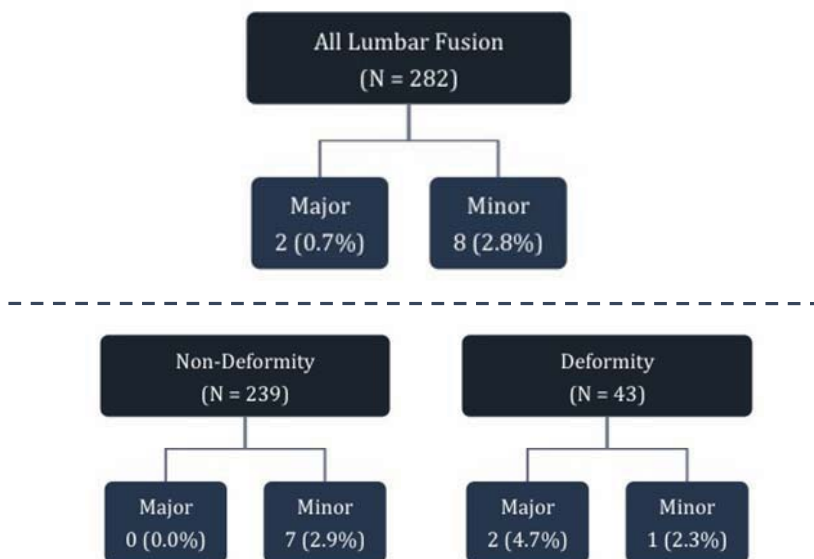
SF-36: Physical Component Score



SF-36: Mental Component Score



Intra-Operative Complications



Post-Operative Complications

