

TABLE E-1 Patient Baseline Demographic Characteristics, Comorbidities, Clinical Findings, and Health Status Measures by Bone Graft Source*

	No Iliac Crest Autograft (N = 246)	Had Iliac Crest Autograft (N = 108)	P Value
Demographic characteristics			
Age†	64.5 (10.2)	64.1 (9.8)	0.75
Female (<i>no. of patients</i>)	165 (67%)	77 (71%)	0.51
Non-Hispanic ethnicity‡ (<i>no. of patients</i>)	241 (98%)	104 (96%)	0.58
White race (<i>no. of patients</i>)	210 (85%)	92 (85%)	0.91
Education: no. with at least some college	163 (66%)	73 (68%)	0.90
Married (<i>no. of patients</i>)	160 (65%)	79 (73%)	0.17
Work status(<i>no. of patients</i>)			0.44
Full or part time	98 (40%)	36 (33%)	
Disabled	25 (10%)	8 (7%)	
Retired	96 (39%)	49 (45%)	
Other	27 (11%)	15 (14%)	
Disability compensation§ (<i>no. of patients</i>)	24 (10%)	8 (7%)	0.61
Body mass index†#	29.8 (6.8)	28.7 (5.7)	0.15
Smoker (<i>no. of patients</i>)	23 (9%)	10 (9%)	0.86
Comorbidities (<i>no. of patients</i>)			
Hypertension	110 (45%)	48 (44%)	0.95
Diabetes	35 (14%)	12 (11%)	0.53
Osteoporosis	25 (10%)	13 (12%)	0.74
Heart problem	39 (16%)	26 (24%)	0.091
Stomach problem	52 (21%)	25 (23%)	0.78
Bowel or intestinal problem	19 (8%)	9 (8%)	0.99
Depression	38 (15%)	21 (19%)	0.44
Joint problem	136 (55%)	60 (56%)	0.95
Other**	92 (37%)	46 (43%)	0.42
Symptom duration of >6 mo (<i>no. of patients</i>)	142 (58%)	73 (68%)	0.10
Baseline clinical outcome measures			
Short Form-36 scores†† (mean and standard deviation)			
Bodily pain	31.9 (19.6)	29.6 (17.4)	0.29
Physical functioning	30.1 (20.2)	33.4 (22)	0.17
Physical component summary	28.4 (7.7)	28.7 (8.4)	0.76
Mental component summary	49.5 (11.7)	49.6 (11.2)	0.96
Oswestry Disability Index score†‡‡	44.2 (16.5)	45.9 (17.5)	0.39
Stenosis Frequency Index score†§§	14.8 (5.6)	14.7 (5.5)	0.96
Stenosis Bothersome Index score†##	15.4 (5.6)	15.9 (5.6)	0.38
Low Back Pain Bothersomeness Scale score†***	4.5 (1.7)	4.4 (1.8)	0.64
Leg Pain Bothersomeness Scale score††††	4.6 (1.6)	4.7 (1.4)	0.83
Patients very dissatisfied with symptoms	190 (77%)	85 (79%)	0.87

Patient self-assessed health trend (<i>no. of patients</i>)			0.63
Problem getting better	10 (4%)	7 (6%)	
Problem staying about the same	62 (25%)	27 (25%)	
Problem getting worse	171 (70%)	74 (69%)	
Baseline treatment preference			
Treatment preference (<i>no. of patients</i>)			0.45
Preference for nonoperative treatment	56 (23%)	22 (20%)	
Not sure	57 (23%)	20 (19%)	
Preference for surgery	133 (54%)	66 (61%)	
Baseline physical findings (<i>no. of patients</i>)			
Pseudoclaudication	205 (83%)	99 (92%)	0.056
Pain on straight-leg raising or femoral-tension sign	29 (12%)	18 (17%)	0.28
Dermatomal pain radiation	190 (77%)	84 (78%)	0.98
Any neurological deficit	122 (50%)	70 (65%)	0.011
Asymmetric depressed reflexes	55 (22%)	38 (35%)	0.017
Asymmetric decrease in sensory	69 (28%)	31 (29%)	1
Asymmetric motor weakness	49 (20%)	32 (30%)	0.062
Levels of anatomical stenosis			
Listhesis level (<i>no. of patients</i>)			0.66
L3-L4	21 (9%)	7 (6%)	
L4-L5	225 (91%)	101 (94%)	
Stenosis levels (<i>no. of patients</i>)			
L2-L3	24 (10%)	4 (4%)	0.084
L3-L4	102 (41%)	34 (31%)	0.097
L4-L5	238 (97%)	106 (98%)	0.70
L5-S1	24 (10%)	5 (5%)	0.16
Moderately or severely stenotic levels (<i>no. of patients</i>)			0.043
0	8 (3%)	2 (2%)	
1	150 (61%)	76 (70%)	
2	68 (28%)	29 (27%)	
≥3	20 (8%)	1 (1%)	
Location of stenosis (<i>no. of patients</i>)			
Central	231 (94%)	96 (89%)	0.16
Lateral recess	221 (90%)	102 (94%)	0.23
Neuroforamen	95 (39%)	55 (51%)	0.041
Severity of stenosis (<i>no. of patients</i>)			0.76
Mild	8 (3%)	2 (2%)	
Moderate	86 (35%)	38 (35%)	
Severe	152 (62%)	68 (63%)	
Spinal instability (<i>no. of patients</i>)	22 (9%)	11 (10%)	0.86

*SPORT Degenerative Spondylolisthesis. †Values are given as the mean, with the standard deviation in parentheses. ‡Race or ethnic group was self-assessed. Whites and blacks could be either Hispanic or non-Hispanic. §This category includes patients who were receiving or had applications pending for

Workers' Compensation, Social Security compensation, or other compensation. #The body-mass index is the weight in kilograms divided by the square of the height in meters. **Other refers to problems related to stroke, cancer, lung, fibromyalgia, chronic fatigue syndrome (CFS), posttraumatic stress disorder (PTSD), alcohol, drug dependency, liver, kidney, blood vessel, nervous system, migraine, anxiety. ††The Short Form-36 scores range from 0 to 100, with higher score indicating less severe symptoms. ‡‡The Oswestry Disability Index ranges from 0 to 100, with lower scores indicating less severe symptoms. §§The Stenosis Frequency Index ranges from 0 to 24, with lower scores indicating less severe symptoms. ##The Stenosis Bothersomeness Index ranges from 0 to 24, with lower scores indicating less severe symptoms. ***The Low Back Pain Bothersomeness Scale ranges from 0 to 6, with lower scores indicating less severe symptoms. †††The Leg Pain Bothersomeness Scale ranges from 0 to 6, with lower scores indicating less severe symptoms.