

TABLE E-1 Inclusion and Exclusion Criteria

Inclusion Criteria		Exclusion Criteria
Both groups	<p>Walking intolerance due to neurogenic intermittent claudication within 10 min</p> <p>Stenotic lesion(s) in the lumbar spine confirmed by MRI</p> <p>Able to tolerate oral medication</p>	<p><50 yr of age</p> <p>Psychiatric disorder, including depression</p> <p>Taking sedative drug(s)</p> <p>Impaired vision and/or any neurologic disorder, including Parkinson disease, normal pressure hydrocephalus, etc.</p> <p>Infection and/or inflammation and/or tumorous condition in spine, dura, or spinal cord</p> <p>Positive straight-leg-raising test</p> <p>Patient in poor condition and unable to undergo functional mobility tests, including general weakness, or walking impairment due to other reasons such as knee and hip osteoarthritis or vascular-originating lower-extremity pain</p>
Nonoperative group		<p>Patient has taken other medication, including NSAIDs, opioids, acetaminophen, muscle relaxant, anti-depressant, or anti-convulsant, within last 2 wk</p>
Surgery group	<p>Enough clinical symptom(s) refractory to nonoperative treatment to be a candidate for surgical treatment, but patients who refused surgical treatment were allocated to nonoperative group</p>	

TABLE E-2 Results of the Linear Mixed Model for the Correlation of the Results of the Four Mobility Tests with the Treatment Modality and Other Clinical Factors

Factors	Alternate-Step Test		Six-Meter-Walk Test		Sit-to-Stand Test		Timed “Up & Go” Test	
	F value	Pr > F	F value	Pr > F	F value	Pr > F	F value	Pr > F
Surgery	0.03	0.8551	0.22	0.6422	7.05*	0.0120*	5.33*	0.0315*
Time	8.07*	0.0013*	2.57	0.0992	7.94*	0.0089*	0.09	0.9142
Surgery*time	14.89*	<0.0001*	6.49*	0.0079*	3.84	0.0626	3.68*	0.0400*
Age	16.19*	0.0003*	3.93	0.0680	0.08	0.7782	5.94*	0.0237*
Sex	0.03	0.8592	3.53	0.0833	1.84	0.1861	0.83	0.3741
Area bone mineral density on densitometry	0.05	0.8284	3.82	0.0725	0.65	0.4252	0.99	0.3314
Osteoporotic vertebral compression fracture	4.25*	0.0480*	0.05	0.8309	0.28	0.6027	1.96	0.1792
Comorbidity	0.49	0.4911	0.00	0.9740	0.01	0.9273	0.87	0.3615
ODI score at baseline	0.03	0.8585	0.50	0.4861	0.45	0.5149	0.03	0.8563
EQ-5D VAS score at baseline	2.45	0.1257	0.05	0.8294	0.01	0.9419	1.51	0.2241

*Indicates significance in the linear mixed model.