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Supplementary Table S1. Patient-level paired MRI and clinical-change dataset

Paired Magnetic Resonance Imaging and Clinical Outcomes Following Intervertebral Differential Dynamics Therapy for Cervical and Lumbar Disc Bulges and Herniations: A Secondary Analysis of a Retrospective Cohort

Patient	Region	Index level	Pre Ext (mm)	Post Ext (mm)	Ext reduction	Pre canal AP (mm)	Post canal AP (mm)	Canal increase	Pre height (mm)	Post height (mm)	Height gain	Global MRI response	VAS Δ	ODI Δ
1	L	L4-L5	6.8	4.2	2.6	8.7	10.4	1.7	6.4	7.1	0.7	Improved	5.0	14
P2	L	L5-S1	4.6	3.8	0.8	10.8	11.3	0.5	5.7	6.2	0.5	Improved	3.0	9
3	C	C5-C6	5.3	3.1	2.2	8.4	10.0	1.6	5.2	5.9	0.7	Improved	5.0	18
4	L	L4-L5	8.1	4.9	3.2	7.2	9.8	2.6	6.0	7.0	1.0	Improved	6.0	17
5	L	L3-L4	4.2	4.0	0.2	11.2	11.5	0.3	6.8	7.0	0.2	Unchanged	2.0	5
6	C	C6-C7	4.8	3.9	0.9	9.5	10.2	0.7	5.0	5.5	0.5	Improved	4.0	13
7	L	L5-S1	6.2	4.1	2.1	8.9	10.8	1.9	5.5	6.3	0.8	Improved	5.0	12
8	L	L4-L5	5.0	4.8	0.2	9.9	10.1	0.2	6.6	6.8	0.2	Unchanged	2.0	6
9	C	C4-C5	4.1	3.7	0.4	10.1	10.6	0.5	5.8	6.1	0.3	Unchanged	3.0	8
10	L	L3-L4	5.9	3.6	2.3	9.1	10.9	1.8	6.3	7.1	0.8	Improved	5.0	15
11	L	L4-L5	8.4	5.1	3.3	7.5	9.6	2.1	5.9	6.9	1.0	Improved	6.0	19
12	C	C6-C7	5.7	3.8	1.9	8.6	9.9	1.3	4.9	5.6	0.7	Improved	5.0	16
13	L	L5-S1	4.5	4.6	-0.1	10.7	10.5	-0.2	5.8	5.8	0.0	Worsened	2.0	4
14	L	L4-L5	6.4	4.3	2.1	8.8	10.3	1.5	6.1	6.8	0.7	Improved	4.0	11
15	C	C3-C4	3.9	3.5	0.4	10.4	10.7	0.3	5.6	5.9	0.3	Unchanged	3.0	7
16	L	L3-L4	5.1	3.9	1.2	9.8	10.7	0.9	6.7	7.2	0.5	Improved	4.0	10
17	L	L4-L5	6.6	4.0	2.6	8.5	10.5	2.0	6.2	7.0	0.8	Improved	5.0	13
18	C	C5-C6	5.5	3.4	2.1	8.9	10.2	1.3	5.1	5.9	0.8	Improved	5.0	15
19	L	L5-S1	4.9	4.2	0.7	10.2	10.9	0.7	5.6	6.1	0.5	Improved	4.0	10
20	L	L4-L5	8.0	4.7	3.3	7.8	10.1	2.3	6.0	7.2	1.2	Improved	6.0	18
21	C	C6-C7	4.6	4.1	0.5	9.6	10.1	0.5	5.3	5.7	0.4	Improved	3.0	9

Abbreviations: AP, anteroposterior; C, cervical; Ext, posterior disc contour extension; L, lumbar; MRI, magnetic resonance imaging; ODI, Oswestry Disability Index; VAS, Visual Analog Scale; Δ, improvement from pre-treatment to post-treatment. All imaging measurements are in millimeters. Ext reduction = pre-treatment Ext minus post-treatment Ext; canal increase and height gain = post-treatment minus pre-treatment. Positive reduction/increase/gain and positive VAS/ODI Δ values indicate favorable change.