

Table S1. Comparison of pain generators detected by MRI and SPECT/CT in patients with guided injections by both imaging modalities.

Patient number	MRI Diagnosis	SPECT/CT Diagnosis
1	Disc Protrusion: L4-S1	Facet JA: right L5-S1
2	Facet JA: L3-S1* Deg. Disc D: L2-L3 Disc Protrusion: L1-S1	Facet JA: left L2-L3, left L3-L4, L4-S1*
3	Deg. Disc D: L5-S1	Facet JA: right L5-S1 Deg. Disc D: L5-S1
4	Deg. Disc D: L4-L5	Facet JA: left L2-L3 Deg. Disc D: L2-L3, L4-L5
5	Disc Protrusion: L2-L3	Facet JA: right L2-L3, L4-L5*
6	Normal MRI	Facet JA: left L1-L2 Interspinous bursitis
7	Deg. Disc D: L2-L4, L5-S1 Herniated Disc: L4-S1	Facet JA: left L4-L5 Deg. Disc D: L1-L3, L5-S1
8	Facet JA: right L5-S1 Deg. Disc D: L5-S1 Disc Protrusion: L2-L5	Facet JA: right L5-S1 Deg. Disc D: L5-S1
9	Facet JA: L4-L5*	Facet JA: L4-L5*
10	Herniated Disc: T12-L2 Deg. Disc D: L4-L5	Facet JA: L5-S1* Deg. Disc D: T11-L1, L4-L5
11	Deg. Disc D: L5-S1	Facet JA: left L4-S1 Sacroiliitis: left
12	Facet JA: L4-L5*	Facet JA: L4-L5*
13	Deg. Disc D: L4-L5 Disc Protrusion: L5-S1	Facet JA: right L5-S1
14	Deg. Disc D: L2-L3, L4-L5	Facet JA: right L2-L3, left L4-L5 Deg. Disc D: L2-L3, L4-L5
15	Facet JA: L3-L5	Facet JA: left L3-L4, right L4-L5 Sacroiliitis*
16	Deg. Disc D: T12-L4	Facet JA: left L5-S1
17	Facet JA: L1-L5* Deg. Disc D: L1-L5	Facet JA: L3-L4*, left L4-L5 Deg. Disc D: L4-L5
18	Facet JA: left L4-L5 Deg. Disc D: L2-L3, L4-L5	Facet JA: right L3-L4, left L4-L5
19	Deg. Disc D: C5-C6	Facet JA: left C3-C4, right C5-C6 Deg. Disc D: C5-C6
20	Deg. Disc D: L2-L3, L4-L5	Facet JA: L4-L5* Deg. Disc D: L4-L5, L5-S1
21	Deg. Disc D: T12-L1	Facet JA: L3-L4*, L4-L5* Deg. Disc D: T12-L1, L5-S1
22	Deg. Disc D: L4-S1 Facet JA: L4-L5*	Facet JA: right L5-S1
23	Facet JA: L4-S1* Deg. Disc D: L5-S1 Disc Protrusion: right L4-L5	Facet JA: L3-S1* Deg. Disc D: L5-S1
24	Facet JA: left C2-C3 Disc Protrusion: C4-C5	Facet JA: left C2-C3
25	Facet JA: right L2-L3	Facet JA: right L2-L3, L3-L4*, left L4-L5
26	Herniated Disc: L4-L5	Facet JA: left L3-L4, L4-L5*

Facet JA: Facet Joint Arthropathy; **Deg. Disc D:** Degenerative Disc Disease; *: Bilateral.