

Diagnostic ²			
Lumbar FJIs ²	Diagnostic	Level 1	75% relief: False +ve rate 25% - 44%
Cervical, Thoracic FJIs ²	Diagnostic	Level 2	8.3
Therapeutic ¹			
Cervical RadioFrequency ³	+ve Dx blocks only	NNT = 2.0 ³	7 months
Lumbar Medial Branch Neurotomies ⁴	+ve Dx Blocks only	NNT = 4.4 ⁴	8 weeks
Lumbar Transforaminal Epidurals Steroid Injections ⁵	Radicular pain	NNT = 2.7 Steroid ^{5,6} NNT = 1.4 >3 TNF ^{6,7,8}	6 months 8 weeks
Facet Joint Injections ^{9,10}	NSLBP	NNT = 12 ^{9,10}	2-4 weeks
Direct Epidurals ¹¹	NSLBP, Sciatica	NNT = 12 ¹¹	8 weeks

References

- [1] Overview: Chou R et al. Interventional therapies, surgery, and interdisciplinary rehabilitation for low back pain: An evidence-based clinical practice guideline from the American Pain Society. *Spine* 2009;34:1066-1077
- [2] Boswell MV1, Manchikanti L, Kaye AD, Bakshi S, Gharibo CG, Gupta S, Jha SS, Nampiaparampil DE, Simopoulos TT, Hirsch JA. A Best-Evidence Systematic Appraisal of the Diagnostic Accuracy and Utility of Facet (Zygapophysial) Joint Injections in Chronic Spinal Pain. *Pain Physician*. 2015 Jul-Aug;18(4):E497-533.
- [3] Lord SM, Barnsley L, Wallis BJ, McDonald GJ, Bogduk N. Percutaneous radio-frequency neurotomy for chronic cervical zygapophyseal-joint pain. *N Engl J Med* 1996;335:1721-1726
- [4] van Kleef M, Barendse GA, Kessels A, Voets HM, Weber WE, de Lange S. Randomized trial of radiofrequency lumbar facet denervation for chronic low back pain. *Spine* 1999;24:1937-1942.
- [5] Cohen SP, White RL, Kurihara C, Larkin TM, Chang A, Griffith SR, Gilligan C, Larkin R, Morlando B, Pasquina PF, Yaksh TL, Nguyen C. Epidural steroids, etanercept, or saline in subacute sciatica: A multicenter, randomized trial. *Ann Intern Med* 2012; 156:551-559.
- [6] Vad VB, Bhat AL, Lutz GE, Cammisa F. Transforaminal epidural steroid injections in lumbosacral radiculopathy: a prospective randomized study. *Spine* 2002;27:11-15.
- [7] Cohen SP, Bogduk N, Dragovich A, Buckenmaier CC, 3rd, Griffith S, Kurihara C, Raymond J, Richter PJ, Williams N, Yaksh TL. Randomized, double-blind, placebo-controlled, dose-response, and preclinical safety study of transforaminal epidural etanercept for the treatment of sciatica. *Anesthesiology* 2009;110:1116-1126.
- [8] Pimentel DC, El Abd O, Benyamin RM, Buehler AM, Leite VF, Mazloomdoost D, Chen J, Hsing WT, Amadera JE. Anti-tumor necrosis factor antagonists in the treatment of low back pain and radiculopathy: a systematic review and meta-analysis. *Pain Physician*. 2014 Jan-Feb;17(1):E27-44.
- [9] Carette S, Marcoux S, Truchon R, Grondin C, Gagnon J, Allard Y, Latulippe M. A controlled trial of corticosteroid injections into facet joints for chronic low back pain. *N Engl J Med* 1991;325:1002-1007.
- [10] Boswell MV, Colson JD, Sehgal N, Dunbar EE, Epter R. A systematic review of therapeutic facet joint interventions in chronic spinal pain. *Pain physician* 2007;10:229-253.
- [11] Price C, Arden N, Coglan L, Rogers P. Cost-effectiveness and safety of epidural steroids in the management of sciatica. *Health Technol Assess* 2005;9:1-58.