Appendix 4 (as supplied by the authors): Key diagnostic inclusion and exclusion

Study	n	Pathology	Inclusion criteria
Atkinson 2016 ²⁶	108	LBP ± radiating leg pain	<u>Clinical diagnosis</u> Nonspecific low back pain primarily in the lumbar region with or without radiation proximal or distal to the knee
Baron 2010 ²⁷	217	Lumbar radicular pain	<u>Clinical diagnosis</u> Pain radiating to the calf or foot in L5 or S1 distribution, co-localized with areas of sensory changes or muscle weakness
Khoromi 2005 ^{28,a}	42	Lumbar radicular pain	Clinical ± radiographic diagnosis Pain in buttocks or legs and at least one of these ipsilateral features: (1) sharp and shooting pain below the knee; (2) pain evoked by straight leg raising to <60 degrees; (3) decreased/absent ankle reflex; (4) weakness of muscles below the knee; (5) sensory loss in L5/S1 distribution; (6) electromyographic evidence for L4, L5, or S1 root denervation; (7) imaging (MRI, CT, myelogram) evidence of nerve root compression (e.g. lateral recess syndrome, neural foramen stenosis, canal stenosis, combination) in the lower lumbar region
Markman 2015 ^{29,a}	29	Lumbar radicular pain	Clinical + radiographic diagnosis At least one level of radiographically confirmed lumbar spinal stenosis and symptoms of neurogenic claudication.
Mathieson 2017 ³¹	207	Lumbar radicular pain	<u>Clinical diagnosis</u> Radiating pain into one leg below the knee, accompanied by nerve-root or spinal-nerve involvement (dermatomal leg pain, myotomal weakness, sensory deficits, or diminished reflex)
McCleane 2000 ^{30,a}	30	LBP ± radiating leg pain	<u>Clinical diagnosis</u> Mid-line lumbar pain with tenderness over a single interspinous ligament and with pain exacerbated by flexion of back

criteria of included studies to define low back pain or lumbar radicular pain

Appendix to: Enke O, New HA, New CH, et al. Anticonvulsants in the treatment of low back pain and lumbar radicular 1 pain: a systematic review and meta-analysis. *CMAJ* 2018. doi: 10.1503/cmaj.171333

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McCleane 2001 ³²	80	LBP ± radiating leg pain	<u>Clinical diagnosis</u> Lumbar and associated leg pain. Paravertebral lumbar tenderness at one vertebral level and pain worse on extension of back
Muehlbacher 2006 ³³	96	LBP ± radiating leg pain	<u>Clinical diagnosis</u> Nonspecific low back pain with or without leg pain, without neurological deficits
Yildirim 2003 ³⁴	50	Lumbar radicular pain	<u>Clinical + radiographic diagnosis</u> Radiating pain secondary to L5 or S1 radiculopathy and radiological diagnosis of L4-5 and/or L5-S1 disc bulging and/or protrusion without significant spinal stenosis

^a Crossover trial. LBP = Low Back Pain