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[Google Scholar] 10.Fernandez M, Hartvigsen J, Ferreira ML, Refshauge KM, Machado AP, Lemes IR, Maher CG, Ferreira PH, Advice to Stay Active or Structured Exercise in the Management of Sciatica: A Systematic Review and Meta-analysis. *Spine (Phila Pa 1976)*. 2015;40:1457-1466. doi: 10.1097/BRS.0000000000001036. [DOI] [PubMed] [Google Scholar] 11.Lee JH, Choi KH, Kang S, Kim DH, Kim DH, Kim BR, Kim W, Kim W, Do KH, Do JG, Ryu JS, Min K, Baik SC, Park YH, Bang HJ, Shin KH, Yang S, Yang HS, Yoo SD, Yoo JS, Yoon KJ, Yoon SJ, Lee GJ, Lee SY, Lee SC, Lee SY, Lee JS, Lee CH, Lim JY, Han JY, Han SH, Sung DH, Cho KH, Kim SY, Kim HJ, Ju W. Nonsurgical treatments for patients with radicular pain from lumbosacral disc herniation. *Spine J*. 2019;19:1478-1489. doi: 10.1016/j.spinee.2019.06.004. [DOI] [PubMed] [Google Scholar] 12.Lin CW, Verwoerd AJ, Maher CG, Verhagen AP, Pinto RZ, Luijsterburg PA, Hancock MJ. How is radiating leg pain defined in randomized controlled trials of conservative treatments in primary care? A systematic review. *Eur J Pain (London, England)* 2014;18:455-464. doi: 10.1002/ej.1532-2149.2013.00384.x. [DOI] [PubMed] [Google Scholar] 13.Page MJ, McKenzie JE, Bossuyt PM, Boutron I, Hoffmann TC, Mulrow CD, Shamseer L, Tetzlaff JM, Akl EA, Brennan SE, Chou R, Glanville J, Grimsjaw JM, Hróbjartsson A, Lalu MM, Li T, Loder EW, Mayo-Wilson E, McDonald S, McGuinness LA, Stewart LA, Thomas J, Tricco AC, Welch VA, Whiting P, Moher D. The PRISMA 2020 statement: an updated guideline for reporting systematic reviews. *BMJ*. 2021;372:n71. doi: 10.1136/bmj.n71. [DOI] [PMC free article] [PubMed] [Google Scholar] 14.Qin Z, Liu X, Wu J, Zhai Y, Liu Z. Effectiveness of acupuncture for treating sciatica: a systematic review and meta-analysis. *Evid Based Complement Alternat Med*. 2015;2015:192808. doi: 10.1155/2015/192808. [DOI] [PMC free article] [PubMed] [Google Scholar] 15.Ji M, Wang X, Chen M, Shen Y, Zhang X, Yang J. The Efficacy of Acupuncture for the treatment of sciatica: a systematic review and meta-analysis. *Evid Based Complement Alternat Med*. 2015;2015:192808. doi: 10.1155/2015/192808. [DOI] [PMC free article] [PubMed] [Google Scholar] 16.Higgins JP, Altman DG, Gotzsche PC, Juni P, Moher D, Oxman AD, Savovic J, Schulz KF, Weeks L, Sterne JA, Cochrane Bias Methods G, Cochrane Statistical Methods G. The Cochrane collaboration's tool for assessing risk of bias in randomised trials. *BMJ*. 2011;343:d5928. doi: 10.1136/bmj.d5928. [DOI] [PMC free article] [PubMed] [Google Scholar] 17.Wan X, Wang W, Liu J, Tong T. Estimating the sample mean and standard deviation from the sample size, median, range and/or interquartile range. *BMC Med Res Methodol*. 2014;14:135. doi: 10.1186/1471-2288-14-135. [DOI] [PMC free article] [PubMed] [Google Scholar] 18.Ferreira G, Stieven F, Araujo F, Wiebusch M, Rossa C, Plentz R, Silva M. Neurodynamic treatment did not improve pain and disability at two weeks in patients with chronic nerve-related leg pain: a randomised trial. *J Physiother*. 2016;62:197-202. doi: 10.1016/j.jphys.2016.08.007. [DOI] [PubMed] [Google Scholar] 19.Fritz JM, Lane E, McFadden M, Brennan G, Magel JS, Thackeray A, Minick K, Meier W, Greene T. Physical therapy referral from primary care for acute back pain with sciatica: a randomized controlled trial. *Ann Intern Med*. 2021;174:8-17. doi: 10.7326/m20-4187. [DOI] [PMC free article] [PubMed] [Google Scholar] 20.Ghoname E, White P, Ahmed H, Hamza M, Craig W, Noe C. Percutaneous electrical nerve stimulation: an alternative to TENS in the management of sciatica. *Pain*. 1999;83:193-199. doi: 10.1016/S0304-3959(99)00097-4. [DOI] [PubMed] [Google Scholar] 21.Hofstee DJ, Gijtenbeek JJM, Hoogland PH, Van Houwelingen JC, Kloet A, Lotters F, Tans JJJ. Bed rest and physiotherapy are of no added value in the management of acute lumbosacral radicular pain: A randomised clinical study. *Ned Tijdschr Geneeskd*. 2003;147:249-254. [Google Scholar] 22.Konstantinovic LM, Kanjuh ZM, Milovanovic AN, Cutovic MR, Djurovic AG, Savic VG, Dragin AS, Milovanovic ND. Acute low back pain with radiculopathy: a double-blind, randomized, placebo-controlled study. *Photomed Laser Surg*. 2010;28:553-560. doi: 10.1089/pho.2009.2576. [DOI] [PubMed] [Google Scholar] 23.Luijsterburg PA, Verhagen AP, Ostelo RW, van den Hoogen HJ, Peul WC, Avezaat CJ, Koes BW. Physical therapy plus general practitioners' care versus general practitioners' care alone for sciatica: a randomised clinical trial with a 12-month follow-up. *Eur Spine J*. 2008;17:509-517. doi: 10.1007/s00586-007-0569-6. [DOI] [PMC free article] [PubMed] [Google Scholar] 24.Santilli V, Beghi E, Finucci S. Chiropractic manipulation in the treatment of acute back pain and sciatica with disc protrusion: a randomized double-blind clinical trial of active and simulated spinal manipulations. *Spine J*. 2006;6:131-137. doi: 10.1016/j.spinee.2005.08.001. [DOI] [PubMed] [Google Scholar] 25.Amundsen T, Weber H, Nordal HJ, Magnaes B, Abdelnoor M, Lilleås F. Lumbar spinal stenosis: conservative or surgical management? A prospective 10-year study. *Spine*. 2000;25:1424-1436. doi: 10.1097/00007632-200006010-00016. [DOI] [PubMed] [Google Scholar] 26.Bailey CS, Rasoulinejad P, Taylor D, Sequeira K, Miller T, Watson J, Rosedale R, Bailey SH, Gurr KR, Sidiqi F, Glennie A, Urquhart JC. Surgery versus conservative care for persistent sciatica lasting 4 to 12 months. *N Engl J Med*. 2020;382:1093-1102. doi: 10.1056/NEJMoa1912658. [DOI] [PubMed] [Google Scholar] 27.Burton A, Tilotson K, Cleary J. Single-blind randomised controlled trial of chemonucleolysis and manipulation in the treatment of symptomatic lumbar disc herniation. *Eur Spine J*. 2000;9:202-207. doi: 10.1007/s005869900113. [DOI] [PMC free article] [PubMed] [Google Scholar] 28.Erginousakis D, Filippiadis D, Malagari A, Kostakos A, Brountzos E, Kelekis N, Kelekis A. Comparative prospective randomized study comparing conservative treatment and percutaneous disk decompression for treatment of intervertebral disk herniation. *Radiology*. 2011;260:487-493. doi: 10.1148/radiol.11101094. [DOI] [PubMed] [Google Scholar] 29.McMorland G, Suter E, Casha S, Du Plessis SJ, Hurlbert RJ. Manipulation or microdiscectomy for sciatica? A prospective randomized clinical study. *J Manipulative Physiol Ther*. 2010;33:576-584. doi: 10.1016/j.jmpt.2010.08.013. [DOI] [PubMed] [Google Scholar] 30.Mondal P, Goswami S, Basak S. Assessment of efficacy of transforaminal epidural steroid injection for management of low back pain with unilateral radiculopathy in industrial workers: A randomized control trial. *J Clin Diagn Res*. 2017;11:UC01-UC05. doi: 10.7860/JCDR/2017/26400.10765. [DOI] [Google Scholar] 31.Nikoobakht M, Yekaninejad MS, Pakpour AH, Gerszten PC, Kasch R. Plasma disc decompression compared to physiotherapy for symptomatic contained lumbar disc herniation: A prospective randomized controlled trial. *Neurol Neurochir Pol*. 2016;50:24-30. doi: 10.1016/j.pjnns.2015.11.001. [DOI] [PubMed] [Google Scholar] 32.Osterman H, Seitsalo S, Karpainen J, Malmivaara A. Effectiveness of microdiscectomy for lumbar disc herniation: a randomized controlled trial with 2 years of follow-up. *Spine(Phila Pa 1976)* 2006;31:2409-2414. doi: 10.1097/01.brs.0000239178.08796.52. [DOI] [PubMed] [Google Scholar] 33.Peul WC, van Houwelingen HC, van den Hout WB, Brand R, Eekhof JAH, Tans JJJ, Thomeer RTW, Koes BW. Surgery versus prolonged conservative treatment for sciatica. *N Engl J Med*. 2007;356:2245-2256. doi: 10.1056/NEJMoa064039. [DOI] [PubMed] [Google Scholar] 34.Weber H. Lumbar disc herniation: a controlled, prospective study with ten years of observation. *Spine*. 1983;8:131-140. doi: 10.1097/00007632-198303000-00003. [DOI] [PubMed] [Google Scholar] 35.Weinstein JN, Tosteson TD, Lurie JD, Tosteson ANA, Hanscom B, Skinner JS, Abdu WA, Hillibrand AS, Boden SD, Deyo RA, Weinstein JN, Tosteson TD, Lurie JD, Tosteson ANA, Hanscom B, Skinner JS, Abdu WA, Hillibrand AS, Boden SD, Deyo RA. Surgical vs nonoperative treatment for lumbar disk herniation: the spine patient outcomes research trial (SPORT): a randomized trial. *JAMA*. 2006;296:2441-2450. doi: 10.1001/jama.296.20.2441. [DOI] [PMC free article] [PubMed] [Google Scholar] 36.Schulz KF, Altman DG, Moher D. CONSORT 2010 statement: updated guidelines for reporting parallel group randomised trials. *BMJ*. 2010;340:e332. doi: 10.1136/bmj.e332. [DOI] [PMC free article] [PubMed] [Google Scholar] 37.Pinto RZ, Maher CG, Ferreira ML, Hancock M, Oliveira VC, McLachlan AJ, Koes B, Ferreira PH. Epidural corticosteroid injections in the management of sciatica: a systematic review and meta-analysis. *Ann Intern Med*. 2012;157:865-877. doi: 10.7326/0003-4819-157-12-201212180-00564. [DOI] [PubMed] [Google Scholar] 38.Rasmussen-Barr E, Held U, Grooten WJ, Roelofs PD, Koes BW, Van Tulder MW, Wertli MM. Non-steroidal anti-inflammatory drugs for sciatica. *Cochrane Database Syst Rev*. 2016;10:CD012382. doi: 10.1002/14651858.CD012382. [DOI] [PMC free article] [PubMed] [Google Scholar] 39.Enke O, New HA, New CH, Mathieson S, McLachlan AJ, Latimer J, Maher CG, Lin CC. Anticonvulsants in the treatment of low back pain and lumbar radicular pain: a systematic review and meta-analysis. *CMAJ*. 2018;190:E786-E793. doi: 10.1503/cmaj.171333. [DOI] [PMC free article] [PubMed] [Google Scholar] 40.Ferreira GE, McLachlan AJ, Lin CC, Zadroz JR, Abdel-Shaheed C, O'Keefe M, Maher CG. Efficacy and safety of antidepressants for the treatment of back pain and osteoarthritis: systematic review and meta-analysis. *BMJ*. 2021;372:m4825. doi: 10.1136/bmj.m4825. [DOI] [PMC free article] [PubMed] [Google Scholar] 41.Pinto RZ, Maher CG, Ferreira ML, Hancock M, Oliveira VC, McLachlan AJ, Koes B, Ferreira PH, Cohen SP, Pinto RZ. Epidural corticosteroid injections for sciatica: an abridged Cochrane systematic review and meta-analysis. *Spine*. 2020;45:E1405-E1415. doi: 10.1097/BRS.0000000000003651. [DOI] [PubMed] [Google Scholar] 43.Ryan C, Roberts L. 'Life on hold': the lived experience of radicular symptoms. A qualitative, interpretative inquiry. *Musculoskelet Sci Pract*. 2019;39:51-57. doi: 10.1016/j.msksp.2018.11.005. [DOI] [PubMed] [Google Scholar] 44.Jesson T, Runge N, Schmid AB. Physiotherapy for people with painful peripheral neuropathies: a narrative review of its efficacy and safety. *Pain Rep*. 2020;5:e834. doi: 10.1097/PR9.0000000000000834. [DOI] [PMC free article] [PubMed] [Google Scholar] 45.Hill JC, Whitehurst DG, Lewis M, Bryan S, Dunn KM, Foster NE, Konstantinou K, Main CJ, Mason E, Somerville S, Sowden G, Vohora K, Hay EM. Comparison of stratified primary care management for low back pain with current best practice (StarT Back): a randomised controlled trial. *Lancet*. 2011;378(9802):1560-1571. doi: 10.1016/S0140-6736(11)60937-9. [DOI] [PMC free article] [Google Scholar] 46.Konstantinou K, Lewis M, Dunn KM, Ogollah R, Artus M, Hill JC, Hughes G, Robinson M, Saunders B, Bartlam B, Kigozi J, Jowett S, Mallen CD, Hay EM, van der Windt DA, Foster NE. Stratified care versus usual care for management of patients presenting with sciatica in primary care (SCOPIC): a randomised controlled trial. *Lancet Rheumatol*. 2020;2:e401-e411. doi: 10.1016/s2665-9913(20)30099-0. [DOI] [PMC free article] [PubMed] [Google Scholar] 47.Baron R, Wasner G, Binder A. Chronic pain: genes, plasticity, and phenotypes. *Lancet Neurol*. 2012;11:19-21. doi: 10.1016/S1474-4422(11)70281-2. [DOI] [PubMed] [Google Scholar] 48.Beard DJ, Rees JL, Cook JA, Rombach I, Cooper C, Merritt N, Shirkey BA, Donovan JL, Gwilym S, Savulescu J, Moser J, Gray A, Jepson M, Tracey I, Judge A, Wartolowska K, Carr AJ. Arthroscopic subacromial decompression for subacromial shoulder pain (CSAW): a multicentre, pragmatic, parallel group, placebo-controlled, three-group, randomised surgical trial. *Lancet (London, England)* 2018;391:329-338. doi: 10.1016/S0140-6736(17)32457-1. [DOI] [PMC free article] [PubMed] [Google Scholar] 49.Hoffmann TC, Glasziou TC, Boutron I, Milne R, Perera R, Moher D, Altman DG, Barbour V, Macdonald H, Johnston M, Lamb SE, Dixon-Woods M, McCulloch P, Wyatt JC, Chan AW, Michie S. Better reporting of interventions: template for intervention description and replication (TRIDeR) checklist and guide. *BMJ*. 2014;348:g1687. doi: 10.1136/bmj.g1687. [DOI] [PubMed] [Google Scholar] This section collects any data citations, data availability statements, or supplementary materials included in this article. Articles from *European Spine Journal* are provided here courtesy of Springer