

# The lumbar facet joint: a review of current knowledge: part 1 grading

Skeletal Radiology

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Radiofrequency therapy in back pain and complex regional pain syndrome. Rheumatology Reports, 2011, 3, 12.	0.1	0
2	Quantitative in vivo MRI evaluation of lumbar facet joints and intervertebral discs using axial T2 mapping. European Radiology, 2011, 21, 2388-2395.	4.5	25
3	Augmented reality needle guidance improves facet joint injection training. , 2011, , .		5
4	Spinal Facet Joint Biomechanics and Mechanotransduction in Normal, Injury and Degenerative Conditions. Journal of Biomechanical Engineering, 2011, 133, 071010.	1.3	247
5	In Vivo Topographic Analysis of Lumbar Facet Joint Space Width Distribution in Healthy and Symptomatic Subjects. Spine, 2012, 37, 1058-1064.	2.0	52
6	Lumbar spine radiographic features and demographic, clinical, and radiographic knee, hip, and hand osteoarthritis. Arthritis Care and Research, 2012, 64, 1536-1544.	3.4	53
7	Low Back Pain and Lumbar Spine Osteoarthritis: How Are They Related?. Current Rheumatology Reports, 2013, 15, 305.	4.7	109
8	Lumbar Injuries of the Pediatric Population. Primary Care - Clinics in Office Practice, 2013, 40, 289-311.	1.6	7
9	Biomechanics of the spine. Part I: Spinal stability. European Journal of Radiology, 2013, 82, 118-126.	2.6	144
10	Motion characteristics of the vertebral segments with lumbar degenerative spondylolisthesis in elderly patients. European Spine Journal, 2013, 22, 425-431.	2.2	23
11	Protecting facet joints post-lumbar discectomy: Barricaid annular closure device reduces risk of facet degeneration. Clinical Neurology and Neurosurgery, 2013, 115, 1440-1445.	1.4	32
12	Imaging Findings of the Posterior Spinal Column and Potential Correlation With Back Pain. Contemporary Diagnostic Radiology, 2013, 36, 1-7.	0.1	0
13	Imaging Findings of the Posterior Spinal Column and Potential Correlation With Back Pain. Contemporary Diagnostic Radiology, 2013, 36, 8.	0.1	0
14	The Prevalence of Lumbar Spine Facet Joint Osteoarthritis and Its Association with Low Back Pain in Selected Korean Populations. Clinics in Orthopedic Surgery, 2014, 6, 385.	2.2	37
15	Fracture of the L-4 vertebral body after use of a stand-alone interbody fusion device in degenerative spondylolisthesis for anterior L3-4 fixation. Journal of Neurosurgery: Spine, 2014, 20, 653-656.	1.7	9
16	Spine Osteoarthritis. , 0, , .		0
17	Characterization of degenerative human facet joints and facet joint capsular tissues. Osteoarthritis and Cartilage, 2015, 23, 2242-2251.	1.3	54
18	How to image patients with spine pain. European Journal of Radiology, 2015, 84, 757-764.	2.6	6

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19	Evaluation and Treatment of Lumbar Facet Cysts. Journal of the American Academy of Orthopaedic Surgeons, The, 2016, 24, 829-842.	2.5	28
20	Facet orientation and tropism: Associations with asymmetric lumbar paraspinal and psoas muscle parameters in patients with chronic low back pain. Journal of Back and Musculoskeletal Rehabilitation, 2016, 29, 581-586.	1.1	11
21	Optimal Noninvasive Imaging for Suspected Zygapophyseal (Facet)-Mediated Low Back Pain. PM and R, 2016, 8, 586-592.	1.6	0
22	The Degenerative Spine. Magnetic Resonance Imaging Clinics of North America, 2016, 24, 495-513.	1.1	29
24	Zygapophyseal Joint Fusion in Ankylosing Spondylitis Assessed by Computed Tomography: Associations with Syndesmophytes and Spinal Motion. Journal of Rheumatology, 2017, 44, 1004-1010.	2.0	22
25	Anterior Trunk Mobility Does Not Predict Disability in Elderly Women With Acute Low Back Pain. Spine, 2017, 42, 1552-1558.	2.0	5
26	Microcalcification of lumbar spine intervertebral discs and facet joints is associated with cartilage degeneration, but differs in prevalence and its relation to age. Journal of Orthopaedic Research, 2017, 35, 2692-2699.	2.3	17
27	The Association Between Self-reported Low Back Pain and Radiographic Lumbar Disc Degeneration of the Cohort Hip and Cohort Knee (CHECK) Study. Spine, 2017, 42, 1464-1471.	2.0	13
29	Lombalgie et arthrose, existe-t-il un lien systématique? Kinesithérapie, 2017, 17, 46-50.	0.1	0
30	Degenerative inter-vertebral disc disease osteochondrosis intervertebralis in Europe: prevalence, geographic variation and radiological correlates in men and women aged 50 and over. Rheumatology, 2017, 56, 1189-1199.	1.9	11
31	Relationships among Obesity, Sarcopenia, and Osteoarthritis in the Elderly. Journal of Obesity and Metabolic Syndrome, 2017, 26, 36-44.	3.6	25
32	Radiology of the Spine for the Interventionalist. , 2018, , 89-108.		1
33	Minimally Invasive PRGF Treatment for Low Back Pain and Degenerative Disc Disease. , 2018, , 259-275.		0
34	The role of the facet capsular ligament in providing spinal stability. Computer Methods in Biomechanics and Biomedical Engineering, 2018, 21, 712-721.	1.6	20
35	The Impact of Facet Joint Violation on Clinical Outcomes After Percutaneous Kyphoplasty for Osteoporotic Vertebral Compression Fractures. World Neurosurgery, 2018, 119, e383-e388.	1.3	7
36	Facet joint syndrome: from diagnosis to interventional management. Insights Into Imaging, 2018, 9, 773-789.	3.4	141
37	Exploring the pathological role of intervertebral disc and facet joint in the development of degenerative scoliosis by biomechanical methods. Clinical Biomechanics, 2019, 70, 83-88.	1.2	4
38	Toward a cure for lumbar spinal stenosis: The potential of interspinous process decompression. Medical Hypotheses, 2019, 132, 109357.	1.5	2

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40	Biomechanical comparison of percutaneous posterior endoscopic cervical discectomy and anterior cervical decompression and fusion on the treatment of cervical spondylotic radiculopathy. Journal of Orthopaedic Surgery and Research, 2019, 14, 71.	2.3	17
41	Facet arthropathy evaluation: CT or MRI?. European Radiology, 2019, 29, 4990-4998.	4.5	21
42	Relationship between facet joint tropism and degeneration of facet joints and intervertebral discs based on a histological study. Journal of Orthopaedics, 2019, 16, 123-127.	1.3	7
43	Stable Spondylolisthesis. Clinical Spine Surgery, 2019, 32, 170-174.	1.3	3
44	Evaluation of MRI and CT parameters to analyze the correlation between disc and facet joint degeneration in the lumbar three-joint complex. Medicine (United States), 2019, 98, e17336.	1.0	21
45	Cryopreserved amniotic membrane and umbilical cord particulate for managing pain caused by facet joint syndrome. Medicine (United States), 2019, 98, e14745.	1.0	16
46	Incidence and risk factors of facet joint violation following percutaneous kyphoplasty for osteoporotic vertebral compression fractures. Acta Radiologica, 2019, 60, 755-761.	1.1	6
47	Lumbar facet joint subchondral bone density in low back pain and asymptomatic subjects. Skeletal Radiology, 2020, 49, 571-576.	2.0	8
48	Association Between Self-Reported Spinal Morning Stiffness and Radiographic Evidence of Lumbar Disk Degeneration in Participants of the Cohort Hip and Cohort Knee (CHECK) Study. Physical Therapy, 2020, 100, 255-267.	2.4	4
49	Facet Tropism and Orientation: Risk Factors for Degenerative Lumbar Spinal Stenosis. BioMed Research International, 2020, 2020, 1-6.	1.9	12
50	The impact and distinction of "lipid healthy but obese" and "lipid abnormal but not obese" phenotypes on lumbar disc degeneration in Chinese. Journal of Translational Medicine, 2020, 18, 211.	4.4	5
51	Lumbar stability following graded unilateral and bilateral facetectomy: A finite element model study. Clinical Biomechanics, 2020, 75, 105011.	1.2	21
52	Morphology and growth of the pediatric lumbar vertebrae. Spine Journal, 2021, 21, 682-697.	1.3	8
53	The Association of MRI Findings and Long-Term Disability in Patients With Chronic Low Back Pain. Global Spine Journal, 2021, 11, 633-639.	2.3	9
54	Comparison of Decompression versus Decompression and Fusion for Lumbar Synovial Cysts and Predictive Factors for Cyst Recurrence. World Neurosurgery, 2021, 146, e378-e383.	1.3	7
55	Does the Decompression of Symptomatic Lumbar Facet Cysts Without Instability Require Fusion?. Clinical Spine Surgery, 2021, 34, 39-42.	1.3	2
56	Surgical treatment of facet syndrome in segmental instability of the lumbar spine. Acta Biomedica Scientifica, 2021, 6, 95-102.	0.2	0
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58	Sources of lumbar back pain during aging and potential therapeutic targets. Vitamins and Hormones, 2021, 115, 571-583.	1.7	0
59	Association between facet joint orientation/tropism and lumbar intervertebral disc degeneration. British Journal of Neurosurgery, 2020, , 1-8.	0.8	12
60	Relationship Between Endplate Defects, Modic Change, Facet Joint Degeneration, and Disc Degeneration of Cervical Spine. Neurospine, 2020, 17, 443-452.	2.9	13
61	Facet joint osteoarthritis as a component of non-specific low back pain. Nevrologiya, Neiropsikhiatriya, Psikhosomatika, 2019, 11, 76-82.	1.2	3
62	Postero-Lateral Disc Prosthesis Combined With a Unilateral Facet Replacement Device Maintains Quantity and Quality of Motion at a Single Lumbar Level. International Journal of Spine Surgery, 2014, 8, 31.	1.5	7
63	Puncture Surgical Technologies in the Treatment of Facet Syndrome for Spondylarthrosis in the Lumbar Spine (Literature Review). Acta Biomedica Scientifica, 2020, 5, 36-42.	0.2	3
64	Biomechanical comparison of intact lumbar lamb spine and endoscopic discectomized lamb spine. Eklem Hastaliklari Ve Cerrahisi = Joint Diseases & Related Surgery, 2013, 24, 33-38.	2.5	11
65	The biomechanical effect of the relevant segments after facet-disectomy in different diameters under posterior lumbar percutaneous endoscopes: a three-dimensional finite element analysis. Journal of Orthopaedic Surgery and Research, 2021, 16, 593.	2.3	2
66	The concept of syndromic diagnoses of osteoarthritis and back pain as a cause of therapy failure. Farmakoekonomika, 2021, 14, 407-414.	1.2	1
67	Diagnostic Approaches to Spinal Disease Related to Spinal Intervention. , 2013, , 27-41.		0
68	Biomechanics of the Spine and Etiopathogenesis of Spinal Pain. , 2013, , 1-25.		0
69	Cervical Facet Arthropathy. , 2015, , 446-449.		0
70	Cervical Facet Arthropathy. , 2016, , 656-659.		0
71	Cervical Facet Arthropathy. , 2016, , 364.		0
72	Anatomy and Biomechanics of the Spine. , 2017, , 1-10.		0
73	Bipolar Radiofrequency Facet Ablation of the Lumbar Facet Capsule: An Adjunct to Conventional Radiofrequency Ablation for Pain Management. Cureus, 2017, 9, e1635.	0.5	5
74	Lumbar Spine Osteoarthritis: An Individual Radiographic Features. Spinal Diseases and Research, 2018, 1, 01-02.	0.0	0
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77	Anatomical Considerations. , 2020, , 87-111.		0
78	One-stage posterior only corpectomy and fusion in the treatment of a unique acute low lumbar L4 burst fracture without neurologic deficit: A case presentation. Journal of Innovative Optical Health Sciences, 2020, 15, 691-694.	1.0	2
79	ROLE OF FACET JOINT ORIENTATION AND FACET TROPISM IN NONSPESIFIC LOW BACK PAIN. Sanamed, 2020, 15, 153.	0.2	0
80	Development of a novel rat model of lumbar facet joint osteoarthritis induced by persistent compressive injury. Experimental and Therapeutic Medicine, 2020, 20, 3740-3748.	1.8	2
81	FACET JOINT DEGENERATION IN PATIENTS WITH LUMBAR DISC HERNIATION AND PROBABLE DETERMINING FACTORS. Coluna/ Columna, 2020, 19, 262-265.	0.2	3
82	Biomechanics of Lumbar Spine. , 2021, , 1-24.		0
83	Measurement of lumbar isthmus parameters for novel starting points for cortical bone trajectory screws using computed radiography. American Journal of Translational Research (discontinued), 2018, 10, 2413-2423.	0.0	4
85	Facet syndrome. Minimally invasive surgical treatment. Clinical case with a literature review. Journal of Clinical Practice, 2021, 12, 92-99.	0.6	1
86	Associations between facet tropism and vertebral rotation in patients with degenerative lumbar disease. European Journal of Medical Research, 2021, 26, 149.	2.2	4
87	A Systematic Review and Meta-Analysis of the Facet Joint Orientation and Its Effect on the Lumbar. Journal of Healthcare Engineering, 2022, 2022, 1-7.	1.9	7
90	Facet overhang: A novel parameter in the pathophysiology of multifidus muscle atrophy. Clinical Anatomy, 0, , .	2.7	2
91	Level dependent alterations in human facet cartilage mechanics and bone morphometry with spine degeneration. Journal of Orthopaedic Research, 2023, 41, 674-683.	2.3	1
92	Creation and validation of a predictive model for lumbar synovial cyst recurrence following decompression without fusion. Journal of Neurosurgery: Spine, 2022, 37, 851-854.	1.7	3
93	Influence of the facet joint angle on facet joint degeneration following pedicle screw fixation without fusion in thoracolumbar fractures. Journal of Back and Musculoskeletal Rehabilitation, 2022, , 1-10.	1.1	0
94	A novel reconstructive approach of the lumbar vertebral column from 2D MRI to 3D models. Translational Research in Anatomy, 2022, 29, 100229.	0.6	0
95	An overview of lumbar anatomy with an emphasis on unilateral biportal endoscopic techniques: A review. Medicine (United States), 2022, 101, e31809.	1.0	1
96	MRI-based degeneration grades for lumbar facet joints do not correlate with cartilage mechanics. JOR Spine, 2023, 6, .	3.2	0
97	RELATIONSHIP BETWEEN FACET TROPISM, LUMBAR DEGENERATION AND FACET DEGENERATION. Journal of Turkish Spinal Surgery, 2023, 34, 13-17.	0.1	0

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98	Facet Joint Orientation/Tropism Could Be Associated with Fatty Infiltration in the Lumbar Paraspinal Muscles. World Neurosurgery, 2023, 173, e606-e615.	1.3	5
99	Correlation of clinical signs and magnetic resonance imaging findings in patients with lumbar spondylosis. Archives of Rheumatology, 0, , .	0.9	0
100	CT guided minimal invasive oxygen ozone therapy in patients with degenerative changes of lumbosacral spine. Medicinski Podmladak, 2022, 73, 28-33.	0.0	0
101	The Impact of Spinopelvic Alignment on the Facet Joint Degeneration. Global Spine Journal, 0, , 219256822311628.	2.3	1
102	Radiographic involvement of cervical facet joints in ankylosing spondylitis: a longitudinal analysis in correlation with vertebral body lesions. BMC Rheumatology, 2023, 7, .	1.6	1
103	Chiropractic Medicine. , 2023, , 587-646.		0
104	Anatomical and imaging measurements of the angle between the axis of the lumbar pedicle and lateral isthmus margin and its clinical significance. Journal of Orthopaedic Surgery and Research, 2023, 18, .	2.3	0
105	Biomechanics of the Lumbar Spine. , 2023, , 1-24.		0
106	Amniotic membrane and/or umbilical cord tissue for treatment of facet joint syndrome: a narrative review. Journal of Orthopaedic Surgery and Research, 2023, 18, .	2.3	0
107	Facet joint tropism, pelvic incidence and intervertebral height index: associations with facet joint osteoarthritis in lumbar spinal stenosis.. Spine Journal, 2023, , .	1.3	0
108	Experience of unilateral and bilateral transpedicular fixation in degenerative diseases of the lumbar spine. Acta Biomedica Scientifica, 2023, 8, 73-80.	0.2	0
109	Biomechanics of the Lumbar Spine. , 2023, , 1871-1893.		0