## Cervical Disc Replacementâ€"Porous Coated Motion Pr

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Citation Report

#	Article	IF	CITATIONS
1	In vitro biomechanics of cervical disc arthroplasty with the ProDisc-C total disc implant. Neurosurgical Focus, 2004, 17, 44-54.	1.0	105
2	The indications for lumbar and cervical disc replacement. Spine Journal, 2004, 4, S177-S181.	0.6	104
3	Cervical arthroplasty: material properties. Neurosurgical Focus, 2004, 17, 1-21.	1.0	31
4	Historical review of cervical arthroplasty. Neurosurgical Focus, 2004, 17, 1-9.	1.0	62
5	Intervertebral Disc Arthroplasty. Spine, 2004, 29, 2779-2786.	1.0	161
6	Early Failures Following Cervical Corpectomy Reconstruction With Titanium Mesh Cages and Anterior Plating. Spine, 2005, 30, 1402-1406.	1.0	98
7	Cervical Disc Replacement. Spine, 2005, 30, S27-S33.	1.0	98
8	Adjacent Level Intradiscal Pressure and Segmental Kinematics Following A Cervical Total Disc Arthroplasty. Spine, 2005, 30, 1165-1172.	1.0	292
9	Multidirectional flexibility analysis of cervical artificial disc reconstruction: in vitro human cadaveric spine model. Journal of Neurosurgery: Spine, 2005, 2, 188-194.	0.9	36
10	Cervical Spine Arthroplasty Biomechanics. Neurosurgery Clinics of North America, 2005, 16, 589-594.	0.8	27
11	Cervical Total Disc Replacement, Part I: Rationale, Biomechanics, and Implant Types. Orthopedic Clinics of North America, 2005, 36, 349-354.	0.5	36
12	Complications and Strategies for Revision Surgery in Total Disc Replacement. Orthopedic Clinics of North America, 2005, 36, 389-395.	0.5	69
13	General Considerations for Cervical Arthroplasty with Technique for Prodisc-C. Neurosurgery Clinics of North America, 2005, 16, 609-619.	0.8	22
14	Advances in the surgical management of cervical degenerative disease. Current Opinion in Orthopaedics, 2006, 17, 264-267.	0.3	1
15	The advantages of cervical disc replacement for the treatment of degenerative disc disease. Current Opinion in Orthopaedics, 2006, 17, 233-239.	0.3	4
16	Porous Coated Motion Cervical Disc Replacement: A Biomechanical, Histomorphometric, and Biologic Wear Analysis in a Caprine Model. Spine, 2006, 31, 1666-1673.	1.0	32
17	Early Clinical and Radiologic Outcomes of Cervical Arthroplasty with Bryan Cervical Disc Prosthesis. Journal of Spinal Disorders and Techniques, 2006, 19, 465-470.	1.8	60
18	Biomechanics of the C5-C6 Spinal Unit Before and After Placement of a disc prosthesis. Biomechanics and Modeling in Mechanobiology, 2006, 5, 253-261.	1.4	53

	Сітатіо	CITATION REPORT	
#	Article	IF	CITATIONS
20	Complications of Cervical Disc Arthroplasty. Seminars in Spine Surgery, 2006, 18, 87-98.	0.1	19
21	Disc Replacement: Postoperative Imaging. Seminars in Spine Surgery, 2006, 18, 99-108.	0.1	0
22	Range of motion change after cervical arthroplasty with ProDisc-C and Prestige artificial discs compared with anterior cervical discectomy and fusion. Journal of Neurosurgery: Spine, 2007, 7, 40-46.	0.9	93
23	THE KINEMATICS OF ANTERIOR CERVICAL DISCECTOMY AND FUSION VERSUS ARTIFICIAL CERVICAL DISC. Operative Neurosurgery, 2007, 61, 100-105.	0.4	15
24	TRAUMATIC LOADING OF THE BRYAN CERVICAL DISC PROSTHESIS. Operative Neurosurgery, 2007, 60, 388-393.	0.4	5
25	Biomechanical Evaluation of Cervical Intervertebral Plug Stabilization in an Ovine Model. Veterinary Surgery, 2007, 36, 449-457.	0.5	9
26	Biomechanical studies on cervical total disc arthroplasty: A literature review. Clinical Biomechanics, 2008, 23, 1095-1104.	0.5	73
27	Comparison of biomechanical properties of cervical artificial disc prosthesis: A review. Clinical Neurology and Neurosurgery, 2008, 110, 963-967.	0.6	13
28	Comparative Biomechanical Study of Cervical Spine Stabilisation by Cage Alone, Cage with Plate, or Plate-Cage: A Porcine Model. Journal of Orthopaedic Surgery, 2008, 16, 9-13.	0.4	20
29	Distribution of in vivo and in vitro range of motion following 1-level arthroplasty with the CHARITÉ artificial disc compared with fusion. Journal of Neurosurgery: Spine, 2008, 8, 7-12.	0.9	35
30	The Significance of Soft Tissue Injury in Lower Cervical Spine Trauma. Neurosurgery Quarterly, 2008, 18, 28-33.	0.1	3
31	The Efficacy of the Modified Classification System of Soft Tissue Injury in Extension Injury of the Lower Cervical Spine. Spine, 2008, 33, E488-E493.	1.0	28
32	History of cervical disc arthroplasty. Neurosurgical Focus, 2009, 27, E10.	1.0	34
33	In vitro evaluation of a ball-and-socket cervical disc prosthesis with cranial geometric center. Journal of Neurosurgery: Spine, 2009, 11, 538-546.	0.9	19
34	Intermediate clinical and radiological results of cervical TDR (Mobi-C®) with up to 2 years of follow-up. European Spine Journal, 2009, 18, 841-850.	1.0	97
35	Local and global subaxial cervical spine biomechanics after single-level fusion or cervical arthroplasty. European Spine Journal, 2009, 18, 1520-1527.	1.0	77
36	The Clinical Performance of UHMWPE in the Spine. , 2009, , 171-195.		3
37	Effect of intervertebral disc height on postoperative motion and clinical outcomes after Prodisc-C cervical disc replacement. Spine Journal, 2009, 9, 551-555.	0.6	39

#	Article	IF	CITATIONS
38	Effect of Two-Level Total Disc Replacement on Cervical Spine Kinematics. Spine, 2009, 34, E794-E799.	1.0	48
39	Cervical Disc Arthroplasty. Contemporary Neurosurgery, 2010, 32, 1-6.	0.2	0
40	Lower Incidence of Dysphagia With Cervical Arthroplasty Compared With ACDF in a Prospective Randomized Clinical Trial. Journal of Spinal Disorders and Techniques, 2010, 23, 1-8.	1.8	130
41	Kinematics of Progressive Circumferential Ligament Resection (Decompression) in Conjunction With Cervical Disc Arthroplasty in a Spondylotic Spine Model. Spine, 2010, 35, 1676-1683.	1.0	8
42	Cervical Spine Arthroplasty: Kinematics of Cervical Arthroplasty. Techniques in Orthopaedics, 2010, 25, 97-107.	0.1	0
43	An Interlocking Ligamentous Spinal Disk Arthroplasty with Neural Network Infrastructure. Journal of Biomimetics, Biomaterials, and Tissue Engineering, 2010, 7, 55-79.	0.7	4
44	Radiological changes of the operated and adjacent segments following cervical arthroplasty after a minimum 24-month follow-up: comparison between the Bryan and Prodisc-C devices. Journal of Neurosurgery: Spine, 2010, 13, 299-307.	0.9	50
45	Biomechanical comparison of single- and two-level cervical arthroplasty versus arthrodesis: effect on adjacent-level spinal kinematics. Spine Journal, 2010, 10, 341-349.	0.6	111
48	Operated and Adjacent Segment Motions for Fusion versus Cervical Arthroplasty: A Pilot Study. Clinical Orthopaedics and Related Research, 2011, 469, 682-687.	0.7	18
49	A Kangaroo Spine Lumbar Motion Segment Model: Biomechanical Analysis of a Novel <i>In Situ</i> Curing Nucleus Replacement Device. Journal of Biomimetics, Biomaterials, and Tissue Engineering, 0, 9, 25-35.	0.7	9
50	The Effect of Remodeling on the Kinematics of the Malpositioned Disc Allograft Transplantation. Spine, 2012, 37, E357-E366.	1.0	5
51	Randomized, Controlled, Multicenter, Clinical Trial Comparing BRYAN Cervical Disc Arthroplasty With Anterior Cervical Decompression and Fusion in China. Spine, 2012, 37, 433-438.	1.0	115
52	Primary and coupled motions after cervical total disc replacement using a compressible six-degree-of-freedom prosthesis. European Spine Journal, 2012, 21, 618-629.	1.0	49
53	Cervical disc prosthesis versus arthrodesis using one-level, hybrid and two-level constructs: an in vitro investigation. European Spine Journal, 2012, 21, 432-442.	1.0	71
54	Postoperative Imaging of Spinal Disk Arthroplasty Devices. Seminars in Spine Surgery, 2012, 24, 48-56.	0.1	1
56	History of cervical spine surgery: from nihilism to advanced reconstructive surgery. Spinal Cord, 2013, 51, 809-814.	0.9	9
57	Postoperative Magnetic Resonance Imaging Assessment for Potential Compressive Effects of Retained Posterior Longitudinal Ligament After Anterior Cervical Fusions. Spine, 2013, 38, 253-256.	1.0	15
58	Cervical disc prosthesis: 2-year follow-up. Coluna/ Columna, 2015, 14, 85-87.	0.0	0

ARTICLE IF CITATIONS # Does Heterotopic Ossification Affect the Outcomes of Cervical Total Disc Replacement? A 59 1.0 40 Meta-analysis. Spine, 2015, 40, E332-E340. In vitro-analysis of kinematics and intradiscal pressures in cervical arthroplasty versus fusion – A biomechanical study in a sheep model with two semi-constrained prosthesis. BioMedical Engineering 1.3 OnLine, 2015, 14, 27. Posterior longitudinal ligament resection or preservation in anterior cervical decompression 61 0.8 16 surgery. Journal of Clinical Neuroscience, 2015, 22, 1088-1090. Relevance of using a compressive preload in the cervical spine: an experimental and numerical simulating investigation. European Journal of Orthopaedic Surgery and Traumatology, 2015, 25, 155-165. The Role of Posterior Longitudinal Ligament in Cervical Disc Replacement: An Ovine Cadaveric 63 0.5 10 Biomechanical Analysis. Medical Science Monitor, 2016, 22, 1843-1849. Excision of the Posterior Longitudinal Ligament During Anterior Cervical Corpectomy. Clinical Spine Surgery, 2016, 29, 242-247. Feasibility and Biomechanics of Multilevel Arthroplasty and Combined Cervical Arthrodesis and 65 0.7 11 Arthroplasty. Clinical Spine Surgery, 2016, 29, E522-E531. The Clinical Performance of UHMWPE in the Spine., 2016, , 217-263. 66 In vitro investigation of a new dynamic cervical implant: comparison to spinal fusion and total disc 1.0 22 67 replacement. European Spine Journal, 2016, 25, 2247-2254. A Clinical Comparison of Anterior Cervical Plates Versus Stand-Alone Intervertebral Fusion Devices for Single-Level Anterior Cervical Discectomy and Fusion Procedures. World Neurosurgery, 2017, 99, 630-637. Long-term Evaluation of Cervical Disc Arthroplasty with the Mobi-C© Cervical Disc: A Randomized, Prospective, Multicenter Clinical Trial with Seven-Year Follow-up. International Journal of Spine 69 0.7 124 Surgery, 2017, 11, 31. Focal hypermobility observed in cervical arthroplasty with Mobi-C. Journal of Spine Surgery, 2017, 3, 693-696. Cervical Total Disc Replacement: Biomechanics., 2019, , 1-18. 71 0 The Changes in Cervical Biomechanics After CTDR and Its Association With Heterotopic Ossification: A 1.2 Systematic Review and Meta-analysis. Global Spine Journal, 2021, 11, 565-574. 73 Cervical Total Disc Replacement: Biomechanics., 2021, , 789-806. 0 Biomechanics of Cervical Disc Arthroplasty Devices. Neurosurgery Clinics of North America, 2021, 32, 0.8 493-504. Lower Back Pain and Disorders of Intervertebral Discs., 2008, , 2159-2236. 75 8 Total Disc Arthroplasty., 2006, , 303-370.

#	ARTICLE Porous Coated Motion (PCM) Cervical Arthroplasty. , 2008, , 202-213.	IF	Citations 2
78	Biomechanical Analysis of a Novel Prosthesis Based on the Physiological Curvature of Endplate for Cervical Disc Replacement. PLoS ONE, 2016, 11, e0158234.	1.1	9
79	Does Resection of the Posterior Longitudinal Ligament Affect the Stability of Cervical Disc Arthroplasty?. International Journal of Spine Surgery, 2018, 12, 285-294.	0.7	8
80	Biomechanics of Cervical Disc Arthroplasty—A Review of Concepts and Current Technology. International Journal of Spine Surgery, 2020, 14, S14-S28.	0.7	23
81	PEEK (Polyether-ether-ketone) Based Cervical Total Disc Arthroplasty: Contact Stress and Lubrication Analysis. Open Biomedical Engineering Journal, 2012, 6, 73-79.	0.7	13
82	PEEK (Polyether-ether-ketone) Based Cervical Total Disc Arthroplasty: Contact Stress and Lubrication Analysis. Open Biomedical Engineering Journal, 2012, 6, 73-79.	0.7	6
83	Indications and techniques for anterior cervical plating. Neurology India, 2005, 53, 433.	0.2	21
84	Atlantoaxial Non-Fusion Using Biomimetic Artificial Atlanto-Odontoid Joint. Spine, 2021, Publish Ahead of Print, .	1.0	1
85	Cervical Disk Arthroplasty: Indications and Techniques. , 2007, , 105-119.		0
86	Porous-Coated Motion Cervical Arthroplasty: Biomechanics, Design Considerations, and Clinical Outcomes. , 2007, , 177-190.		0
87	Soft Tissue Damage in Cervical Spine Extension Injury. The Journal of the Korean Orthopaedic Association, 2007, 42, 433.	0.0	0
88	Cervical Disc Replacement Revisions. , 2008, , 287-296.		1
89	Thoracolumbar Instrumentation. , 2011, , 1219-1252.		1
90	Cervical Disc Replacement. , 2011, , 808-825.		0
91	Lower Back Pain and Disorders of Intervertebral Discs. , 2013, , 1897-1964.e7.		1
92	Design and Manufacture of a Prototype of a Testing Rig for the Evaluation of the Biomechanical Behavior of Vertebrae. Advanced Structured Materials, 2014, , 121-134.	0.3	1
93	Lumbar Artificial Disc. , 2015, , 1130-1133.		0
94	Pros and Cons of Resecting the PLL for Cervical Radiculopathy. Clinical Spine Surgery, 2021, 34, 79-81.	0.7	Ο

#ARTICLEIFCITATIONS95Current Concepts of Cervical Disc Arthroplasty. International Journal of Spine Surgery, 2021, 15,<br/>174-1183.0.7596In Vitro Biomechanics of the Cervical Spine: A Systematic Review. Journal of Biomechanical<br/>Engineering, 2022, 144, .0.6497Dimensional Changes of the Neuroforamen Following Anterior Decompression of the Cervical Spine:<br/>An In-Vitro Micro-CT Investigation. World Neurosurgery, 2022, ..0.7098Material science and biomechanical interactions in cervical disc arthroplasty. Seminars in Spine0.10