

Name of Journal: *World Journal of Orthopedics*

Manuscript NO: 55815

Manuscript Type: REVIEW

Lumbar and cervical viscoelastic disc replacement: concepts and current experience

Jean Yves Lazennec

Abstract

The ideal lumbar and cervical discs should provide six degrees of freedom and tri-planar (three-dimensional) motion. Although all artificial discs are intended to achieve the same goals, there is considerable heterogeneity in the design of lumbar

Match Overview

1	Internet 181 words crawled on 10-Mar-2014 www.ncbi.nlm.nih.gov	3%
2	Internet 128 words crawled on 03-Mar-2018 jointoperations.co.uk	2%
3	Internet 127 words crawled on 06-Sep-2019 backernation.com	2%
4	Internet 108 words crawled on 01-Mar-2016 www.axiomed.com	2%
5	Internet 63 words crawled on 28-Feb-2020 link.springer.com	1%
6	Internet 51 words crawled on 27-Mar-2020 jss.amegroups.com	1%
7	Internet 37 words crawled on 27-Nov-2019	1%



检测到您输入了英文，试试切换到国际版？搜英文结果更丰富更准确 >

6,410 条结果

时间不限 ▾

 [The innovative viscoelastic CP ESP cervical disk ...](#)

Cited by: 4 Author: Jean-yves Lazennec, Alain Aaron, Olivier ...

Publish Year: 2016

2017-8-27 · Abstract The **viscoelastic cervical disk** prosthesis ESP is an innovative one-piece deformable but cohesive interbody spacer. It is an evolution of the LP ESP **lumbar disk** implanted since 2006. CP ESP provides six full degrees of freedom about the three axes including shock absorbtion. The prosthesis geometry allows limited rotation and

<https://link.springer.com/content/pdf/10.1007/s00590-015-1695-1.pdf>

[The innovative viscoelastic CP ESP cervical disk ...](#) [翻译此页](#)

Cited by: 4 Author: Jean-yves Lazennec, Alain Aaron, Olivier ...

Publish Year: 2016 位置: 8600 Rockville Pike, Bethesda, MD

The **viscoelastic cervical disk** prosthesis ESP is an innovative one-piece deformable but cohesive interbody spacer. It is an evolution of the LP ESP **lumbar disk** implanted since 2006. CP ESP provides six full degrees of freedom about the three axes including shock absorbtion.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4705139>



ALL

IMAGES

VIDEOS

MAPS

NEWS

SHOPPING

2,220 Results

Any time ▾

[Cervical artificial disc replacement: still experimental ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3519404>

Modern **cervical** artificial **disc replacement** (C-ADR) first made its debut in 1991, with the Bristol/Cummins **disc**, the first of numerous articulating C-ADR devices (Fig. 2). The original devices were implanted by Cummins in 20 patients, who later reported that some continued to function well, up to 12 years after implantation. 2 Results from these early articulating mechanical devices were ...

Cited by: 1

Author: Jens R Chapman, Daniel Riew

Publish Year: 2012

[The cellular and molecular biology of the intervertebral ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4139773>

Important lessons learned from this case include the spontaneous development of symptoms of **disc** herniation, the onset of 'hard' neurological signs (demonstrative of **spinal** cord compression), and the likelihood that the large C5–6 **cervical disc** herniation occurred at some point many years after the MVA; without any further trauma and in ...

Cited by: 9

Author: W. Mark Erwin, Katherine E. Hood

Publish Year: 2014

[Lumbar Total Disc Replacement Part I: Rationale ...](#)

<https://www.researchgate.net/publication/7791345...>

Lumbar total **disc replacement** is an evolving new technology designed to preserve motion and to perhaps supplant fusion as the **current** "gold standard" surgical treatment for **lumbar** degenerative ...

[The Implications of Constraint in Lumbar Total Disc ...](#)

<https://www.researchgate.net/publication/10626226...>

Lumbar total **disc replacement** (TDR) is an evolving technique that has the potential to replace arthrodesis as the gold standard surgical treatment of degenerative **disc** disease.

[Composite materials for spinal implants - ScienceDirect](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3519404/rect.com/science/article/pii/B978184569436450007X>