

Lumbar fusion update search

October 27, 2009

Search terms: "lumbar fusion AND randomized"

Date range: 2007 – October 2009

Summary:

Using the search terms and date range above, 115 references were identified. After review of approximately 40 abstracts, the attached list was developed and could be considered in a future review as being relevant to the initial review and decision.

There is not sufficient evidence at this time for a full re-review that would be likely to alter in any substantial way the original decision.

Berg S, Fritzell P, Tropp H.

Sex life and sexual function in men and women before and after total disc replacement compared with posterior lumbar fusion. [Spine J.](#) 2009 Oct 9.

[Chou R](#), [Baisden J](#), [Carragee EJ](#), [Resnick DK](#), [Shaffer WO](#), [Loeser JD](#).

Surgery for low back pain: a review of the evidence for an American Pain Society Clinical Practice Guideline. [Spine.](#) 2009 May 1;34(10):1094-109.

[Nielsen PR](#), [Andreasen J](#), [Asmussen M](#), [Tønnesen H](#).

Costs and quality of life for prehabilitation and early rehabilitation after surgery of the lumbar spine. [BMC Health Serv Res.](#) 2008 Oct 9;8:209.

[Patel VV](#), [Estes S](#), [Lindley EM](#), [Burger E](#).

[Lumbar spinal fusion versus anterior lumbar disc replacement: the financial implications. Spinal Disord Tech.](#) 2008 Oct;21(7):473-6.

[Keller A](#), [Brox JI](#), [Reikerås O](#)

Predictors of change in trunk muscle strength for patients with chronic low back pain randomized to lumbar fusion or cognitive intervention and exercises. [Pain Med.](#) 2008 Sep;9(6):680-7.

[Rohan MX Jr](#), [Ohnmeiss DD](#), [Guyer RD](#), [Zigler JE](#), [Blumenthal SL](#), [Hochschuler SH](#), [Sachs BL](#), [Rashbaum RF](#). Relationship between the length of time off work preoperatively and clinical outcome at 24-month follow-up in patients undergoing total disc replacement or fusion. [Spine J.](#) 2009 May;9(5):360-5.

[Guyer RD](#), [McAfee PC](#), [Banco RJ](#), [Bitan FD](#), [Cappuccino A](#), [Geisler FH](#), [Hochschuler SH](#), [Holt RT](#), [Jenis LG](#), [Majd ME](#), [Regan JJ](#), [Tromanhauser SG](#), [Wong DC](#), [Blumenthal SL](#).

Prospective, randomized, multicenter Food and Drug Administration investigational device exemption study of lumbar total disc replacement with the CHARITE artificial disc versus lumbar fusion: five-year follow-up. [Spine J.](#) 2009 May;9(5):374-86. Epub 2008 Sep 19.

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Fusion and nonsurgical treatment for symptomatic lumbar degenerative disease: a systematic review of Oswestry Disability Index and MOS Short Form-36 outcomes. [Spine J](#). 2008 Sep-Oct;8(5):747-55.

[Wilson-MacDonald J](#), [Fairbank J](#), [Frost H](#), [Yu LM](#), [Barker K](#), [Collins R](#), [Campbell H](#); [Spine Stabilization Trial Group](#).

The MRC spine stabilization trial: surgical methods, outcomes, costs, and complications of surgical stabilization. [Spine](#). 2008;33(21):2334-40.

[Soegaard R](#), [Christensen FB](#).

Health economic evaluation in lumbar spinal fusion: a systematic literature review anno 2005. [Eur Spine J](#). 2006 Aug;15(8):1165-73.

[Robertson PA](#), [Plank LD](#).

Prospective cohort analysis of disability reduction with lumbar spinal fusion surgery in community practice. [J Spinal Disord Tech](#). 2008 Jun;21(4):235-40.

[Geisler FH](#), [Guyer RD](#), [Blumenthal SL](#), [McAfee PC](#), [Cappuccino A](#), [Bitan F](#), [Regan JJ](#).

Patient selection for lumbar arthroplasty and arthrodesis: the effect of revision surgery in a controlled, multicenter, randomized study. [J Neurosurg Spine](#). 2008 Jan;8(1):13-6.

Links:

[Schafer J](#), [O'Connor D](#), [Feinglass S](#), [Salive M](#).

Medicare Evidence Development and Coverage Advisory Committee Meeting on lumbar fusion surgery for treatment of chronic back pain from degenerative disc disease. [Spine](#) 2007;15;32(22):2403-4.

[Andersen T](#), [Videbaek TS](#), [Hansen ES](#), [Bünger C](#), [Christensen FB](#).

The positive effect of posterolateral lumbar spinal fusion is preserved at long-term follow-up: a RCT with 11-13 year follow-up. [Eur Spine J](#). 2008 Feb;17(2):272-80.

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[Mirza SK](#), [Deyo RA](#).

Systematic review of randomized trials comparing lumbar fusion surgery to nonoperative care for treatment of chronic back pain. [Spine](#) 2007;32(7):816-23.

[Ibrahim T](#), [Tleyjeh IM](#), [Gabbar O](#).

Surgical versus non-surgical treatment of chronic low back pain: a meta-analysis of randomised trials. [Int Orthop](#). 2008 Feb;32(1):107-13.