

Name of journal: *World Journal of Orthopedics*

ESPS Manuscript NO: 16190

Manuscript Type: Case Report

Surgical treatment of sacral fractures following lumbosacral arthrodesis: Case report and literature review

Yu Wang, Xianyi Liu, Chunde Li, Xiaodong Yi, Zhengrong Yu

Abstract

Sacral fractures following posterior lumbosacral fusion are an uncommon complication. Only a few case series and case reports have been published so far. This article presents a case of totally displaced sacral fracture following posterior L4-S1 fusion in a 65-year-old patient with a 15-year history of corticosteroid use who underwent open reduction and internal fixation using iliac screws. The patient was followed for 2 years. A thorough review of the literature was conducted using the Medline database between 1994 and 2014. Immediately after the revision surgery, the patient's pain in buttock and left leg resolved significantly. The patient was followed for 2 years. The weakness of left lower extremity improved gradually from 3/5 to 5/5.

In conclusion, the incidence of postoperative sacral fractures could have been rather underestimated, because most of these fractures are not visible on plain radiograph. CT has been proved to be able to detect most of such fractures and should probably be performed routinely when patients complain of renewed buttock

Match Overview

1	CrossCheck 40 words Odate, Seiichi, Jitsuhiko Shikata, Hiroaki Kimura, and Tsunemitsu Soeda. "Sacral Fracture After Instrumented L ...	2%
2	CrossCheck 34 words Patrick Vavken. "Sacral fractures after multi-segmental ...mbosacral fusion: a series of four cases and systematic	2%
3	CrossCheck 32 words Eric Klineberg. "Sacral Insufficiency Fractures Caudal I ...Instrumented Posterior Lumbosacral Arthrodesis". Spin	2%
4	CrossCheck 23 words Otomo, H. "P116. Does Osteoporosis Contribute to Clin ical and Radiographical Outcomes of Transforaminal Lu	1%
5	CrossCheck 23 words Meredith, Dennis S., Fadi Taher, Frank P. Cammisa, and Federico P. Girardi. "Incidence, diagnosis, and manag ...	1%
6	Internet 20 words crawled on 07-Sep-2013 www.recentmedicalfindings.com	1%
7	Internet 18 words crawled on 18-Jan-2014 www.science.gov	1%
8	Internet 15 words crawled on 19-Mar-2014 www.docstoc.com	1%
9	CrossCheck 15 words Daryl R. Fourney. "Early Sacral Stress Fracture after Re ...uction of Spondylolysis and Lumbosacral Fixation: C	1%
10	CrossCheck 10 words Vasilios Mathews. "Early Fracture of the Sacrum or Pel ...e: An Unusual Complication After Multilevel Instruments	<1%



Surgical treatment of sacral fractures following lumbosacral arthrodesis: 



网页 图片 视频 新闻 更多 ▾ 搜索工具

找到约 105,000 条结果 (用时 0.74 秒)

Sacral fractures after multi-segmental lumbosacral fusion: a ...

www.ncbi.nlm.nih.gov > ... > PubMed Central (PMC) ▾ [翻译此页](#)

作者: P Vavken - 2008 - 被引用次数: 10 - 相关文章

2008年2月15日 - Keywords: **Sacral insufficiency fracture**, **Lumbosacral spinal fusion** ... A CT scan revealed a S2 **fracture** 5 weeks **after surgery**, ... This **case** is a 79 year-old female who originally was **treated** for **lumbar** spondylosis and ... We performed a systemic **review** of the **literature** using online databases and by hand, ...

Sacral Fractures After Lumbosacral Fusion: A Characteristic ...

www.ajronline.org/doi/abs/10.2214/AJR.10.5902 ▾ [翻译此页](#)

作者: GE Wilde - 2011 - 被引用次数: 5 - 相关文章

The clinical records of these patients were **reviewed** for interval **after surgery**, **fusion** ... approach, preoperative diagnosis, symptoms, **treatment**, and risk factors. ... Bose B. **Fracture** of S1-2 **after** L4-S1 decompression and **fusion**: **case report** and ... **lumbosacral fusion**: a series of four **cases** and systematic **review** of **literature**.

Sacral stress fracture following lumbosacral arthrodesis ...

www.researchgate.net/.../11562522_Sacral_stress_fracture_foll... - [翻译此页](#)

Sacral stress fracture **following lumbosacral arthrodesis** - Case illustration on ... Department of Orthopaedic **Surgery**, University of Virginia, Charlottesville, Virginia, United States ... and **management of sacral fractures following** multilevel spinal **arthrodesis** ... in a Mounted Police Officer: **Case Report and Literature Review**.

Sacral insufficiency fractures caudal to instrumented ...

www.researchgate.net/.../51403615_Sacral_insufficiency_fractu... - [翻译此页](#)

ABSTRACT Retrospective **review** of sacral insufficiency fractures. Determine incidence of sacral insufficiency fractures **after** posterior **lumbosacral fusion**. ... Incidence, diagnosis, and **management of sacral fractures following** multilevel spinal **arthrodesis**. ... spinal **fusion**, with only 34 **cases** previously reported in the **literature**.

Sacral insufficiency fractures following multilevel ...

www.researchgate.net/.../7656504_Sacral_insufficiency_fractur... ▾ [翻译此页](#)

作者: MH Khan - 2005 - 被引用次数: 17 - 相关文章

To **report** a series of patients in whom sacral insufficiency fractures developed. ... Sacral

[网页](#) [图片](#) [视频](#) [新闻](#) [更多 ▾](#) [搜索工具](#)

找到约 52,300 条结果 (用时 0.65 秒)

Google 学术: [Surgical treatment of sacral fractures following lumbosacral arthrodesis: Case report and literature review](#)

... lumbar or lumbosacral fusion: review of the literature - Park - 被引用次数: 784

... the Lumbosacral Spine: Report of a Case and Review ... - HERRON - 被引用次数: 71

... of the lumbosacral spine: case report and review of the ... - Van Savage - 被引用次数: 50

[Sacral fractures after multi-segmental lumbosacral fusion: a ...](#)

www.ncbi.nlm.nih.gov > ... > PubMed Central (PMC) ▾ [翻译此页](#)

作者: P Vavken - 2008 - 被引用次数: 11 - [相关文章](#)

2008年2月15日 - Keywords: Sacral insufficiency fracture, Lumbosacral spinal fusion ... A CT scan revealed a S2 fracture 5 weeks after surgery. ... This case is a 79 year-old female who originally was treated for lumbar spondylosis and ... We performed a systemic review of the literature using online databases and by hand, ...

[Sacral Fractures After Lumbosacral Fusion: A Characteristic ...](#)

www.ajronline.org/doi/abs/10.2214/AJR.10.5902 ▾ [翻译此页](#)

作者: GE Wilde - 2011 - 被引用次数: 6 - [相关文章](#)

The clinical records of these patients were reviewed for interval after surgery, fusion ... approach, preoperative diagnosis, symptoms, treatment, and risk factors. ... Bose B. Fracture of S1-2 after L4-S1 decompression and fusion: case report and ... lumbosacral fusion: a series of four cases and systematic review of literature.

[Sacral stress fracture following lumbosacral arthrodesis ...](#)

www.researchgate.net/.../11562522 Sacral stress fracture foll... - [翻译此页](#)