

Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 63787

Manuscript Type: CASE REPORT

Surgical treatment of four segment lumbar spondylolysis: A case report

Li DM *et al.* Surgical treatment of four segment lumbar spondylolysis

Duan-Ming Li, Bao-Gan Peng

Abstract

BACKGROUND

Four-level lumbar spondylolysis is extremely rare. So far, only one case was reported in the literature.

CASE SUMMARY

A 19-year-old man presented with severe back pain irresponsible to conservative

Match Overview

1	Crossref 67 words Chen-Han Chung. "Direct Repair of Multiple Levels Lumbar Spondylolysis by Pedicle Screw Laminar Hook and B ...	4%
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May 01, 2014 · 1. Introduction. Spondylolisthesis is defined by the anterior slipping of a vertebral body in relation to the subjacent vertebra. Wiltse et al. classified spondylolisthesis into five categories:...

Cited by: 3

Author: A. Darnis, O. Launay, G. Perrin, C. Barrey

Publish Year: 2014

[\(PDF\) Lumbar spondylolysis: A review](#)

<https://www.researchgate.net/publication/44571477...>

[Show full abstract] report and literature review. Single case report. Single case report. This man had undergone extensive lumbar spine surgery for pain and spondylolisthesis.

[\(PDF\) Lumbar Spondylolysis And Spondylolisthesis](#)

<https://www.researchgate.net/publication/329717603...>

Dec 17, 2018 · Objective: To report the first case of 4-level lumbar spondylolysis in the literature.

Summary of background data: Although there are quite a few reported cases of 2- or 3-level...

[Spondylolysis: \(Revisiting\) Early Surgical Intervention ...](#)

<https://orthopod.aoao.org/spondylolysis-revisiting...> ▾

Spondylolysis: (Revisiting) Early Surgical Intervention and Treatment of Spondylitic Defects, Rationale, Case Report, and Description of Surgical Technique. Spondylolysis is a common cause of low back...

[Spondylolysis and spondylolisthesis: A review of the ...](#)

<https://europepmc.org/article/MED/29881164> ▾

Mar 17, 2018 · In a patient that is in the terminal stage or has failed conservative management, the two surgical options are direct repair at the pars defect or fusion of the lumbar segment.32 Direct repair i...

Cited by: 13

Author: Paul Gagnet, Kent Kern, Kyle Andrews, ...

Publish Year: 2018

[Surgical Management of 3-Level Lumbar Spondylolyses](#)

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It occurs in 6% of the general population and has been reported more commonly in men. 1

Spondylolysis commonly occurs at the fourth and fifth lumbar vertebrae, accounting for more than 95

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Surgical management of multilevel lumbar spondylolysis: A ...
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May 01, 2014 · Abstract. Multilevel **lumbar spondylolysis** accounts for less than 6% of the cases of **lumbar spondylolysis** and its **treatment**, as reported in the literature, has not been consistent. Fewer than ten cases presenting triple **lumbar spondylosis** have been published. We describe the **case** of a 33-year-old male presenting bilateral L3, L4, and L5 isthmic lysis with no spondylolisthesis or disc degeneration.

Cited by: 3Author: A. Darnis, O. Launay, G. Perrin, C. Barrey
Publish Year: 2014

Rationale in the management of 4-level lumbar ...
<https://www.ncbi.nlm.nih.gov/pubmed/24718056>

May 20, 2014 · Management of the patient with 4-level **spondylolysis**, varied clinical profile of each of the levels with respect to clinical symptoms and **treatment** based on the usefulness of pars block is described. RESULTS: Two levels were treated with intervertebral fusions, 1 level with pars repair, and conservative **treatment** of the last level pars lysis yielded in good clinicoradiological outcome in our ...

Cited by: 2Author: S. Vidyadhara
Publish Year: 2014

PEOPLE ALSO ASK

- What is the protocol for lumbar spondolysis and spondylolisthesis? ▾
- What is the current evidence about pediatric lumbar spondylolysis? ▾
- Is there a review of the literature on spondylolysis? ▾
- When to start therapeutic exercise for Acute spondylolysis? ▾

Feedback

Current Evidence Regarding the Surgical and Nonsurgical ...
<https://www.sciencedirect.com/science/article/pii/S2212134X14000811>

Jan 01, 2015 · Current Evidence Regarding the **Surgical** and Nonsurgical **Treatment** of Pediatric **Lumbar Spondylolysis: A Report** from the Scoliosis Research Society Evidence-Based Medicine Committee
Author links open overlay panel Charles H. Crawford III MD a b Charles G.T. Ledonio MD c Robert Shay Bess MD d Jacob M. Buchowski MD e Douglas C. Burton MD f Serena S ...

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Spondylolysis: (Revisiting) Early Surgical Intervention and Treatment of Spondylitic Defects, Rationale, **Case Report**, and Description of **Surgical** Technique. Introduction. **Spondylolysis** is a common cause of low back pain in adolescents particularly those that participate in athletics which involve hyperextension of the **lumbar** spine.

Surgical management of stress fracture of the ...
<https://pubmed.ncbi.nlm.nih.gov/33148923>

Surgical management of stress fracture of the contralateral pedicle in a baseball player with unilateral **lumbar spondylolysis** : **A case report** J Med Invest . 2020;67(3.4):382-385. doi: 10.2152/jmi.67.382.

Surgical Management of 3-Level Lumbar Spondylolyses
<https://journals.lww.com/md-journal/Pages/article...>

It occurs in 6% of the general population and has been reported more commonly in men. 1 **Spondylolysis** commonly occurs at the fourth and fifth **lumbar** vertebrae, accounting for more than 95% of total cases of **spondylolysis**. 2 **Lumbar spondylolysis** may either occur asymptotically or be associated with significant low back pain. Symptomatic pars lesions appear to be particularly a clinical problem in ...

Surgical management of multilevel lumbar spondylolysis: A ...
<https://www.researchgate.net/publication/260914442...>

Objective To **report** a clinical **case** of diagnosis and **treatment** of a two-level **lumbar spondylolysis** in a 16-year-old male patient, and review the relevant literature.

Multi-level spondylolysis: a case report and review of the ...
<https://www.thefreelibrary.com/Multi-level...> ▾

Oct 01, 2011 · Of the six **cases** of multilevel **spondylolysis** that he reported, **four** patients were treated **surgically** after conservative **treatment** failed, while the remaining two received conservative **treatment** alone. Half of the patients receiving **surgery** displayed "excellent" outcomes, while the other half were found to have "poor" outcomes.

[PDF] **Lumbar Spondylolysis and Spondylolisthesis Protocol**
<www.sosmed.org/.../Lumbar-Spondylolysis...Protocol.pdf>

Lumbar Spondylolysis and Spondylolisthesis Protocol Initial Evaluation Evaluate Hx: ... prevalence, natural history, and prognosis of pediatric **lumbar spondylolysis**: a **report** from the scoliosis research society evidence-based medicine committee. Spine deformity, 3(1), 12 ... In Seminars in Spine **Surgery** (Vol. 26, No. 4, pp. 225-229). WB Saunders.

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Surgical management of multilevel lumbar spondylolysis: A ...

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Publish Year: 2014

PEOPLE ALSO ASK

Can spondylolysis cause lower lumbar pain? ▾

What is the predisposition for spondylolysis? ▾

What is the incidence of spondylolysis in adults? ▾

Is spondylolysis the same as radiculopathy? ▾

Feedback

Rationale in the management of 4-level lumbar ...

<https://www.ncbi.nlm.nih.gov/pubmed/24718056>

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