



# BAISHIDENG PUBLISHING GROUP INC

8226 Regency Drive, Pleasanton, CA 94588, USA

Telephone: +1-925-223-8242

Fax: +1-925-223-8243

E-mail: editorialoffice@wjgnet.com

http://www.wjgnet.com

## ESPS Peer-review Report

**Name of Journal:** World Journal of Orthopedics

**ESPS Manuscript NO:** 11671

**Title:** The economic impact of minimally invasive lumbar surgery

**Reviewer code:** 00503838

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2014-05-29 12:28

**Date reviewed:** 2014-05-29 16:07

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input checked="" type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

## COMMENTS TO AUTHORS

This is an interesting manuscript about the economic impact of minimally invasive lumbar surgery.



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## ESPS Peer-review Report

**Name of Journal:** World Journal of Orthopedics

**ESPS Manuscript NO:** 11671

**Title:** The economic impact of minimally invasive lumbar surgery

**Reviewer code:** 00724252

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2014-05-29 12:28

**Date reviewed:** 2014-06-06 14:02

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input checked="" type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

## COMMENTS TO AUTHORS

This study was to evaluate the economic impact of minimally invasive lumbar surgery. The authors thoroughly reviewed the cost effectiveness according to various spinal procedures. I'd like to recommend you to publish this study.



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## ESPS Peer-review Report

**Name of Journal:** World Journal of Orthopedics

**ESPS Manuscript NO:** 11671

**Title:** The economic impact of minimally invasive lumbar surgery

**Reviewer code:** 00506224

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2014-05-29 12:28

**Date reviewed:** 2014-06-12 20:22

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	BPG Search:	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

## COMMENTS TO AUTHORS

This is an article reviewing the potential economic impact of minimally invasive approaches for lumbar surgery. Overall, I found the manuscript interesting as cost effectiveness is increasingly a focus and will play a major role on surgery in the future. There are several issues that need to be resolved: 1. The manuscript can be more concise. Its focus should be on the economic perspective. There are many sections where the authors discuss a particular procedure describing radiographic and clinical outcomes as well as complications in extensive detail. This occurs in all sections but most prominently in the section on deformity. While a brief description is warranted to explain the potential economic benefit of a minimally invasive approach for deformity correction given the lack of cost effectiveness studies on MIS deformity, the discussion should just highlight the main points. 2. A table detailing the studies with cost effectiveness data would be helpful. 3. In the section on short segment fusion discussing the Fritzell (citation 56) study. It is written that lumbar fusion was associated with greater direct costs. "However, since the indirect costs were similar in both groups, the total costs were similar." This seems to be an error because if the direct cost is higher in one group and the indirect cost are similar in both groups, the total costs should be different. Please explain. 4. In the second to the last paragraph in the section on deformity beginning with "Wang and colleagues surveyed 3 . . . .", the citation listed (77) is incorrect. Please change. 5. In last sentence of the conclusion, stating the MIS ASD "will play a major role" is too strong a statement at this point in time based on the data to date. I would recommend changing to "will potentially play a major role".