



PEER-REVIEW REPORT

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Manuscript NO: 45541

Title: Precontoured buttress plate vs reconstruction plate for acetabulum posterior wall fractures: A biomechanical study

Reviewer's code: 03518978

Reviewer's country: United States

Science editor: Ying Dou

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SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This study evaluated the biomechanical properties of precontoured anatomic buttress and conventional curved reconstruction plates for posterior wall acetabulum fracture treatment. It has been found that application of precontoured anatomic acetabular



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buttress plates in posterior wall fractures of the acetabulum provide more stable fixation than 5-hole conventional curved reconstruction plates. Overall, this is an interesting study. It can give clinicians some useful information for their practice. However, there are a couple of concerns that need to be addressed. 1. The simulated posterior wall acetabulum fractures were far different with reality ones. Usually there are some edge compression and irregular fracture shapes. 2. The artificial bone density may be different with real bone.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- The same title
- Duplicate publication
- Plagiarism
- No

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