

PEER-REVIEW REPORT

Name of journal: *World Journal of Orthopedics*

Manuscript NO: 72108

Title: Derotational osteotomy and internal fixation of a 180° malrotated humerus

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05395420

Position: Editorial Board

Academic degree: MS, PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: India

Author's Country/Territory: Germany

Manuscript submission date: 2021-10-04

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-10-11 04:27

Reviewer performed review: 2021-10-11 04:40

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
<https://www.wjgnet.com>

statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

I commend the work of the authors to report the case. Kindly correct the following queries before this manuscript could be recommended for publication:

1. Avoid using references in the abstract.
2. How was the infection handled?
3. Whether as a staged procedure was done or in a single sitting, it was debrided and replated the osteotomy site?

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Reviewer's code: 05446574

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor, Surgeon

Reviewer's Country/Territory: Egypt

Author's Country/Territory: Germany

Manuscript submission date: 2021-10-04

Reviewer chosen by: Xin Liu

Reviewer accepted review: 2021-12-21 13:54

Reviewer performed review: 2021-12-24 19:37

Review time: 3 Days and 5 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
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Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Manuscript NO: 72108 Title: Derotational osteotomy and internal fixation of a 180° malrotated humerus Manuscript Type: Case Report

- 1 Title. The title reflects the main subject of the manuscript in a concise way
- 2 Abstract. The abstract shouldn't contain citations as done in P1, line 28 Page 1, line 27& 28 (severe rotation deformity of the humerus is extremely rare) (only three cases have been reported)
- 3 Keywords. reflect the focus of the manuscript
- 4 Background. Succinate with no knowledge gap and didn't show s the problem
- 5 Case presentation Page 2, line 25, referring to the old accident place was not appropriate and does not make any difference to the reader Page 3, line 2, the word urgently cannot be compliant with trauma for 10 years Page 3, line 24 (The radial nerve was exposed to avoid damage due to the severe derotation), to which level ? did the exploration extend to the lateral intermuscular septum? how was it done for the posterior compartment while the approach was the extended deltopectoral approach?
- 6 Discussion. P5, line 17 (Ilizarov external fixator and Taylor-Spatial-Frame still seem to be the mainstay of treatment), this phrase was not confirmed, even the supplied reference couldn't conclude this, one of them is about (humeral lengthening in non-traumatic cases) and the other is a classic book about deformity correction, no evidence to support this in literature. P6, line 23, reference is not correct, please revise The infection has been treated by one-stage revision plate osteosynthesis. this point needs to be discussed with supplied evidence as it is not the routine method of treatment of infection related to osteosynthesis. The improvement of the shoulder Range of motion was not explained.
- 7 Illustrations and tables. Fine
- 8 References. Reference styling is not the same and needs to be re-written

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Reviewer's code: 05446574

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor, Surgeon

Reviewer's Country/Territory: Egypt

Author's Country/Territory: Germany

Manuscript submission date: 2021-10-04

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2022-01-25 07:58

Reviewer performed review: 2022-01-25 10:19

Review time: 2 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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<https://www.wjgnet.com>

SPECIFIC COMMENTS TO AUTHORS

Abstract Background Line 2 severe rotation deformity of the humerus is extreme rare (Extremely ..) Introduction The corrections in the response letter are missing in the manuscript Case presentation History Need to be re-phrased to be less confusing Discussion the Ilizarov external fixator and Taylor-Spatial-Frame still seem to be the mainstay of treatment (21)(10)(22) The used 3 citations are not enough to conclude such information, the supplied references 20-21 are irrelevant and need to be either changed or removed I think the evidence on the rule of a single-stage exchange plating in osteosynthesis-related infection is needed to support the management of this case, this point needs to be elaborated in the discussion section on the expense of radial nerve palsy which could be summarized more. The reference was updated and written in a good style and sufficient Language quality needs some polishing