

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 80650

Title: Short-term outcome of total knee replacement in a patient with hemophilia: A case report

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05866874

Position: Peer Reviewer

Academic degree: PhD

Professional title: Physiotherapist, Professor, Senior Lecturer

Reviewer's Country/Territory: Spain

Author's Country/Territory: China

Manuscript submission date: 2023-01-10

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-01-16 09:24

Reviewer performed review: 2023-01-16 09:40

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 Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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

SPECIFIC COMMENTS TO AUTHORS

Dear authors: First of all I would like to congratulate you on the research carried out. The presentation of the case is complete and it is a rather rare case. What is not clear to me is the initial state of the subject and that he had a ROM of 0 degrees prior to the intervention. I have seen the video after the operation and recovery of the subject, but you do not have images and/or video of the initial state of the operated joint? Complementary images that can provide more information? We need something that provides information of the subject before and after the information. I understand that x-rays could also shed some light on the case. - I have also noticed how some abbreviations are used sometimes yes and sometimes no, please check. - Also, you should talk about the incidence and prevalence in your country, worldwide... . They should introduce a rehabilitation and/or physiotherapy programme that the patient has carried out to check the treatment received, providing details of the techniques used: quadriceps strengthening, passive and active mobilisations, strengthening by means of loads or eccentric contractions... it is essential to understand the patient's recovery and the ROM of the knee that has been operated on. Best regards.

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Reviewer's code: 02536364

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Doctor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2023-01-10

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-01-18 02:54

Reviewer performed review: 2023-01-20 07:21

Review time: 2 Days and 4 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
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This is a case report of a patient who suffered from hemophilic arthritis of the left knee joint with nonunions of distal femoral and proximal tibial fractures for many years and was resolved with a single operation. It is considered a rare case where the problem was dealt with in a very serious condition. I think it deserves to be reported as a breakthrough surgical treatment in the final stages of hemophilic arthritis. Now, as a hematologist, I would like to make the following comments based on my own experience. This patient unfortunately had terminal arthritis. How was this patient hematologically followed from childhood until he developed a femoral fracture in 2013? Medical hemostasis management, such as regular replacement therapy, along with orthopedic treatment, such as physical therapy and timely synovectomy, are the best treatments to prevent end-stage arthritis. It was unclear how the hematological approach was taken as a background to the progression of arthritis from the onset of hemophilia to the state before this surgery, so please add it. I think that revision surgery will be necessary after an average of 10 to 15 years of artificial joint replacement, but is this surgery fundamentally different? Regarding the above two points, I would like to



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