## Answer for Reviewer (Reviewer's ID: 05198253):

Question 1: It is recommended that the authors search multiple databases for this disease, some of which are incomplete, such as "Bilateral Floating Knee Injury-Management of a Complex Injury" published in 2019.

Answer: We have looked for and cited the article of "Bilateral Floating Knee Injury-Management of a Complex Injury" to add to our database and enrich our content. Such as:

## Bilateral Floating Knee Injury—Management of a

### II. CASE REPORT PRESENTATION

















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# **Question 2:** Each figures should be labeled "A B C D" and annotated accordingly.

Answer: We have labeled "A B C D" at each figure as following:

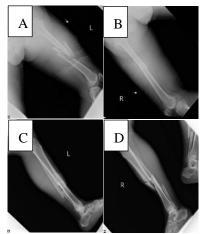


Figure 1: Initial plain radiographs revealed displaced bilateral femoral (A, B), tibial (C, D), and fibular midshaft fractures.

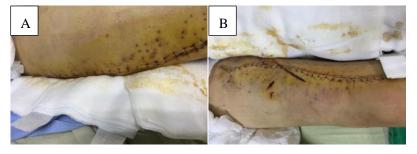


Figure 2: The photographs showed that we punctured hundreds of small holes around the closed wound using an 18-gauge needle in the thigh (A) and leg (B), imitating a Chinese medicine bloodletting method, to allow the accumulated blood in the tissue to flow out

to prevent skin necrosis and compartment syndrome.

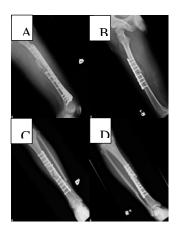


Figure 3: The post-operative X-rays illustrated that patient received the operation of ORIF with one locking plate in the left femoral shaft (A), one broad DCP in right femoral shaft (B), and two narrow DCPs in bilateral tibial shafts (C,D).



Figure 4: The radiographs revealed bone union of bilateral femoral (A,B) and tibial (C,D) fracture sites at postoperative 13 months.

**Question 3:** The summary section needs to be reorganized, especially in the conclusion section

Answer: We have reorganized the summary content, including the conclusion.

## **CONCLUSION**

Simultaneous bilateral floating knee is a extremely rare injury pattern and resulted in severe damage, including bilateral femoral and tibial fractures with involved diaphyseal, metaphyseal, and intra-articular joint and maybe combinated with head, chest, or abdomen injuries, other ligamentous, and soft tissue injuries. The treatment

is challenging, and complications, such as wound infection, deep vein thrombosis, fat embolism syndrome, pulmonary embolism, malunion, nonunion, chronic osteomyelitis, implant failure, knee stiffness, and posttraumatic arthritis, are common. We present a rare case report of a 27-year-old adult who suffered from bilateral floating knees during road traffic accident. We also offer our treatment experience of this complex injury and review past literature.

**Question 4:** The background section of the body of the article needs to be expanded and has typographical problems.

Answer: We have expanded the article content and and modified the typographical problems. Finally, we have also added a discussion in the last paragraph of this article as following:

The functional outcomes of FK are measured with seven criteria defined by Karlstro in and Olerud. The Karlstro in-Olerud criteria includes the following: subjective symptoms from thigh or leg, subjective symptoms from knee or ankle joint, walking ability, return to pre-injury work and sports, angulation or rotational deformity or both, shortening and restricted joint mobility of the hip, knee or ankle joint. Scores for each criterion are divided into excellent, good, acceptable and poor<sup>[3,34]</sup>. Our patient was able to walk independently without external support and was free from bilateral hip, ankle and ankle joints at 4 months postoperatively. He complained of intermittent mild pain in the left calf, but no pain medication was required. He has returned to most of his preinjury activities, including working 6 months after surgery. All of his fractures had healed successfully after 13 months. Patient's bilateral lower limbs were normal function without shortening, rotation and angulation deformity.

**Question 5:** The article needs to be declared if there are ethical issues and if there is informed consent from patients

Answer: We have offered the patient's informed consent as following:

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