



Letter to the editor 'Intramedullary percutaneous fixation of metacarpal fractures: screw versus connected K-wires'

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Received: 28 May 2021 / Accepted: 2 June 2021 / Published online: 5 June 2021
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Dear Editor,

I read the Intramedullary percutaneous fixation of metacarpal fractures: screw versus connected K-wires by BG Medarano. They stated operative treatment results [1]. Honestly the objective and results of the study are noteworthy and we have some questions for author:

- (1) Medarano stated that Connecting K-wires adds stability similar to plate fixation, allowing patients move immediately and ensuring the rotational stability by the integrity of the intermetacarpal ligaments and interosseous muscles and he stated this by referring to the Lazarus [1, 2]. But Lazarus discussed the rehabilitation of plate osteosynthesis and single K wire osteosynthesis followed by immobilization for 6 weeks. The author needs to clarify the difference in immobilization times. The author reported that the fracture healed in 6 weeks. Therefore, since the fracture healing is complete; rotational problem does not occur in the 6th week. On what study does the author base the connecting K-wires, plate fixation and stabilization equal or similar to each other? The other point is Considering that osteosynthesis with K-wires is similar to plate stability; How should the angulation seen in the metacarpal be explained in Fig. 3?
- (2) The author focused only on clinical outcomes and complications and did not discuss radiological results. Author stated that elastic fixation with a thinner screw, there is no rotational failure compared to intramedullary K-wires; but as in Fig. 6c, there may be a shorten-

ing of the bone length with compression caused by a thinner headless screw fixation. Is this complication or technical error? It should be clarified.

We appreciate the authors' comments on these concerns.

Funding No funding was received from anywhere.

Declarations

Conflict of interest Metin Uzun declares that he has no conflict of interest.

Human and animal rights This article does not contain any studies with human participants or animals performed by any of the authors.

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