Reviewer's report

Title: Improved Healing Response in Delayed Unions of the Tibia with Low-Intensity Pulsed Ultrasound: Results of a Randomized Sham-Controlled Trial

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Reviewer: Rene Verdonk

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General comments:

The paper of Markus Schofer looks into improved healing response in delayed unions of the tibia with the Exogen ultrasound technique.

It is an interesting investigation level 1 type in a new approach to the treatment of fractures and more specifically in tibial fractures presenting with symptoms of delayed union.

The diagnosis of delayed union, however, is a very difficult one. It is very complex and does not present with a well defined “definition”.

The fact that this investigation is level 1 adds to the value to the investigators into the clinical value in practice.

I have to apologize being no statistician, I am not able to comment on the value of the statistics in this investigation.

The language is appropriate.

The figure and the legends are appropriate.

Please look into the conformity of the references.

I would recommend, though, to add a number of case illustrations to this paper which may add to the ease and pleasure of readership.