Reviewer's report
Title: The Effect of low Intensity Shockwave Treatment (Li-SWT) on human Myoblasts and mouse Skeletal Muscle

Version: 0 Date: 29 Mar 2017

Reviewer: Tomasz Halski

Reviewer's report:
This original study design is an in vivo study in mice and an in vitro study. As Authors was signalise that there are no published results in the indexed literature on the effect of Li-SWT on myoblast and skeletal muscle undergoing regeneration after acute injury. The first impression after reading this paper is more than positive. The topic of this manuscript falls within the scope of the BMC Musculoskeletal Disorders subject and has a significant scientific value.

There are three things that need explanation:
Page 9 line 1:
You wrote: "The viability of myoblasts was tested, and within the range of 300 to 1500 impulses the energy application was well tolerated. For further in vitro studies a dose of 300 impulses of 0.1 mJ/mm2 was used." - the objective of this study was assessment the effects of Li-SWT on regenerating skeletal muscle not only safety of dose 300 impulses of 0.1 mJ/mm2, so could you explain, why did you choose 300 impulses in vitro.
Page 9 line 31 and in conclusion :
Could you add how was the dose of total energy calculated.
Page 14:
Could you write if difference between cell death treated and control was significant.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.
Yes
Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.
Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.
Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.
I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:
Acceptable

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