

Author's response to reviews

Title: Stochastic Amplitude-Modulated Stretching of Rabbit flexor digitorum profundus Tendons reduces Stiffness compared to Cyclic Loading but does not affect Tenocyte Metabolism

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Manuscript on stochastic loading regimes of tendons

dear Sir/Madam,

please accept our manuscript for publication on the investigation how tendons and the tenocytes react onto a amplitude-modulated stochastic loading regime relative to cyclic uni-axial compression loading. This paper has clinical relevance since tendon regeneration in the practice will only be based on stochastic loading, whereas in laboratories artifacts are possibly created by application of extremely artificial loading regimes using symmetric waveforms. Here, we are to our knowledge the first who compare this stochastic loading behavior and also check the gene expression response of the tenocytes (the cells of the tendon) among other parameters such as glycosaminoglycan production and cell viability. The manuscript has 3'086 words, 6 Figures and 1 Table.

We hope that this paper can be accepted

Yours sincerely,

Prof. Dr. Benjamin Gantenbein-Ritter