**Author's response to reviews**

**Title:** Stress and Stability Comparison between Different Systems of High Tibial Osteotomy

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**Author's response to reviews:** see over
Dear editor in chief,

Please find an attached file entitled "Stress and Stability Comparison between Different Systems of High Tibial Osteotomy" and associated figures that I would like to submit for consideration of publication as Full Article in BMC Musculoskeletal Disorders. High tibial osteotomy with a medial opening wedge has been used to treat medial compartment osteoarthritis. However, this makes the proximal tibia a highly unstable structure to withstand the knee loads and cause screw and plate as the failure potentials for yielding and cracking. This indicated that proper design and use of the fixation device are essential to the HTO especially for overweight or full weight-bearing patients. This study numerically compared some HTO plate systems to investigate the design effects on the bone and implant responses. The results can provide valuable information about the load-transferring mechanisms of the different HTO plates and the preoperative planning for HTO surgery. The material discussed in this manuscript has neither published nor submitted for publication elsewhere. No benefit of any kind will be received either directly or indirectly by the authors.

Yours sincerely,

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