



Comment on “Low-level laser therapy with 940 nm diode laser on stability of dental implants: a randomized controlled clinical trial”

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I read “Low-level laser therapy with 940 nm diode laser on stability of dental implants: a randomized controlled clinical trial”. Torkzaban, P., Kasraei, S., Torabi, S. et al. *Lasers Med Sci* (2017). <https://doi.org/10.1007/s10103-017-2365-9>

Congratulations on the publication of your article. I would like to make a comment as to energy of 8 J. Is this value correct? This parameter seems to be wrong. Low energy or high energy can express stimulatory effect or inhibitory effect on the osteoblastic activity and tissue healing [1–3].

With respect to the “Osstell Mentor” device:

Has this device been validated? There are not many articles using this device in the searches. Computed tomography continues to be the best method to evaluate osseointegration and consequently to implant stability [4].

Thank you for publishing this interesting paper.

References

1. Farias RD, Closs LQ, Miguens SA Jr (2016) Evaluation of the use of low-level laser therapy in pain control in orthodontic patients: a randomized split-mouth clinical trial. *Angle Orthod* 86:193–198
2. Limpanichkul W, Godfrey K, Srisuk N, Rattanayatikul C (2006) Effects of low-level laser therapy on the rate of orthodontic tooth movement. *Orthod Craniofac Res* 9(1):38–43
3. Seifi M, Vahid-Dastjerdi E (2015) Tooth movement alterations by different low level laser protocols: a literature review. *J Lasers Med Sci* 6(1):1–5
4. Garcia-Morales JM, Tortamano-Neto P, Todescan FF, de Andrade JC Jr, Marotti J, Zezell DM (2012) Stability of dental implants after irradiation with an 830-nm low-level laser: a double-blind randomized clinical study. *Lasers Med Sci* 27:703–711

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