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Letter to the editor

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The comparative effects of local anaesthetics on wound healing in rats: Bupivacaine vs Levobupivacaine

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Dear editor,

I have some comments about the article that author discussed: "relatively high vasoconstrictive activity of levobupivacaine at the beginning of the wound-healing process might have resulted in low tissue perfusion and delayed epidermal and dermal regeneration", but the levobupivacaine has vasodilation property. (Menezes et al., 2016) How author was concluded to such matter. The second: in statistical analysis author wrote "statistically significant at a p value of <0.05" but in Table 2, p<0.01 was indicated. There was no uniformity of confidence level in statistical analysis. The third: statistical analysis of the histopathological study was done of nine rats but in Table 2, n=10 were written for Group B, C, and L. There will be required to carry out further Kruskal-Wallis test for epidermal regeneration, granulation tissue thickness, and angiogenesis by taking n=9. This will alter p-value too. The forth: The experimental protocol was approved by the Institutional Animal Care and Use Committee of Marmara University, Istanbul, Turkey, but protocol/ reference number was missing. This indicated that study was bogus. If author is right the about study, then publish this letter to the editor with the certificate of animal ethics committee approval indicating protocol number.

REFERENCES

Menezes, L.S., Souza, L.M., Santos, M.R., Mendonça, P.S., Moreira, I.J., Oliveira, A.A., 2016. Levobupivacaine induces vasodilatation, but not vasoconstriction, in rat mesenteric artery. Rev Odontol UNESP. doi: http://dx.doi.org/10.1590/1807-2577.28415.