

Retraction

Retracted: An Immunohistochemical Study of the Increase in Antioxidant Capacity of Corneal Epithelial Cells by Molecular Hydrogen, Leading to the Suppression of Alkali-Induced Oxidative Stress

Oxidative Medicine and Cellular Longevity

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Oxidative Medicine and Cellular Longevity has retracted the article titled “An Immunohistochemical Study of the Increase in Antioxidant Capacity of Corneal Epithelial Cells by Molecular Hydrogen, Leading to the Suppression of Alkali-Induced Oxidative Stress” [1], due to concerns with the figures. The journal was contacted by a reader who identified that Figure 4(j) in [1] is duplicated with Figure 5(c) in [2], and Figure 5(a) in [3]. Additionally panel 4 of Figure 3 in [1] is duplicated with the H2, Day 4 panel of Figure 4(a) in a now retracted article [4].

The authors were asked for clarification, but did not satisfactorily address the concerns of the Editorial Board. The article is therefore being retracted due to concerns regarding the reliability of the data. Authors Dr. Jitka Cejkova and Dr. Cestmir Cejka are deceased, the remaining authors agree to the retraction.

References

- [1] C. Cejka, J. Kossl, V. Holan, J. H. Zhang, and J. Cejkova, “An Immunohistochemical Study of the Increase in Antioxidant Capacity of Corneal Epithelial Cells by Molecular Hydrogen, Leading to the Suppression of Alkali-Induced Oxidative Stress,” *Oxidative Medicine and Cellular Longevity*, vol. 2020, Article ID 7435260, 10 pages, 2020.
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- [3] V. Holan, P. Trosan, C. Cejka et al., “A comparative study of the therapeutic potential of mesenchymal stem cells and Limbal epithelial stem cells for ocular surface reconstruction,” *Stem Cells Translational Medicine*, vol. 4, no. 9, pp. 1052–1063, 2015.
- [4] C. Cejka, J. Kossl, B. Hermankova et al., “RETRACTED ARTICLE: Therapeutic effect of molecular hydrogen in corneal UVB-induced oxidative stress and corneal photodamage,” *Scientific Reports*, vol. 7, no. 1, article 18017, 2017.