

Review of: "Evaluating the clinico-biochemical association between stress and chronic periodontitis by estimation of serum cortisol and serum chromogranin-A levels"

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Potential competing interests: No potential competing interests to declare.

The main questions I ask about this paper are:

They did not use the 2017 New Classification of Periodontal Diseases and Conditions.

Sample calculation was not demonstrated

There seems to be a significant difference between groups when comparing ages. In group II, the average age is 44.92 years and in group I (patients without periodontal disease), it is 31.85 years. The age variable may have an influence on the degree of stress. (Blaxton, J., Bergeman, C. S., & Wang, L. (2020). Daily Stress Reactivity Across the Life span: Longitudinal and Cross-Sectional Effects of Age. The journals of gerontology. Series B, Psychological sciences and social sciences, 75(3), 494–503. <https://doi.org/10.1093/geronb/gby046>).

Therefore, age standardization is essential to reduce the risk of bias.