

# 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.

It is an interesting study investigating biopsychosocial model with reference to Periodontitis.

Please mention about distribution of data .

Please consider the following points in discussion and conclusions section.

1. In cross sectional studies, attempt is made to keep the known important confounders to the minimum . In this study, there are two most important confounders. a) Plaque status as a etiology, and b ) Age as a cumulative factor . Plaque score in control group is 0.84 whereas it is 2.18 in test group.This is a big intergroup difference. Intergroup difference in periodontal status might be attributed to it. Average age in study groups is 32 years vs 45 years . Again an important Intergroup difference with significant cumulative effect.
2. Please make the conclusions based on the findings and limitations of the study . Dysregulation of immunoinflammatory response and oral microbiome is not part of the study.