

Review of: "Intraoral scanners for capturing the palate and its relation to the dentition"

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Potential competing interests: The author(s) declared that no potential competing interests exist.

The approach is interesting but the analysis process looks doubtful for the following reasons:

1. the opportunity of using the palatal rugae as a correct reference point doesn't look supported by the articles cited: written by the same author of this very article, such articles report a small number of cases and give no clear indication about the opportunity to use rugae.
2. The results reported in the figures 4 and 6 seem to give a regularity in the discrepancies among the CS scanners: i.e. patient n.2 got a high consistency no matter what's the reference point used, either palate or denture; patient n.10 looks to determine an error with the same pattern in both cases. This doesn't support the idea that scanners are more precise on smaller areas, even if this is confirmed from other studies.

The study analyzed a large and interesting amount of data but, for such discrepancies, some of the conclusions are not sure, in particular when it's said that "no systematic imprecision pattern was evident"