Reviewer's report

Title: Sagittal Jaw Position in relation to Body Posture in Adult Humans - a Rasterstereographic Study.

Version: 1 Date: 10 October 2005

Reviewer: Andrew Sandham

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General
This study aims to demonstrate correlations between sagittal jaw relationships and back shape parameters.
Many articles confirm the presence of a relationship between craniofacial growth and cranio-cervical posture, but few have attempted to show that there is a relationship with body posture. This article is therefore interesting.
The present study focussed on back shape using an optical surface measurement based on photogrammetry analysis.
No correlations were shown to exist between the variables studied.
The authors comment that further studies of other cephalometric variables should be carried out to investigate the relationships further.
A clear relationship is shown in previous studies by other researchers between vertical facial development and cranio-cervical posture, therefore it is somewhat surprising that the authors did not use at least one measurement of vertical face height to correlate with other postural variables.
It would have been also useful to measure cranio-cervical angulation in each study sample as this variable may be different in the 3 sagittal jaw positions studied.

Fig 2 looks the same as Fig 1 and should be modified to show an increased overjet (mandibular retrognathia).

Overall this is just answering a small but interesting question - but the research could be extended into a very broad and useful investigation. I look forward to further publications from this group.

Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

What next?: Accept after minor essential revisions

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: No
Declaration of competing interests:

I declare that I have no competing interests