

Title Digital Software for Orthodontic Records Keeping

Agency HTA Malaysia, Health Technology Assessment Section, Medical Development Division, Ministry of Health Malaysia
Level 4, Block E1, Parcel E, Presint 1,
Federal Government Administrative Center, 62590 Putrajaya, Malaysia
Tel: +603 88831229, Fax: +603 88831230; htamalaysia@moh.gov.my, www.moh.gov.my

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Aim

The objective of this study was to assess the accuracy and reproducibility of digital software for orthodontic records keeping.

Conclusions and results

Overall, there was fair level evidence indicating digital models offer a high degree of validity when compared to direct measurement on plaster models; differences between the approaches are likely to be clinically acceptable/insignificant. Perhaps the most important benefit of using digital models is the ability to share and exchange information effectively, in addition to not having to physically store and manually retrieve the stone models.

These exciting new tools are expected to streamline the orthodontic process even further, elevating orthodontic practices to higher levels of treatment efficacy, efficiency and profitability.

Recommendations (if any)

Based on the above review, digital software may be used for orthodontic records keeping. However, the cost and expertise of using the digital software have to be considered. Centralization may be the best option.

Methods

Literature was searched through electronic databases which included MEDLINE, Cochrane Library via Ovid, EMBASE, PubMed and general databases such as Google Scholar.

The search strategy used these terms either singly or in various combinations: dental record, computer assisted, image processing, and dental model.

The search was limited to human study. The last searched was conducted on 24 March 2015

Further research/reviews required

Studies on cost-effectiveness is warranted

Written by

Khor Sok Fang, MaHTAS, Malaysia