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The Angle Orthodontist: Vol. 69, No. 4, pp. 345–348.

A technique for three-dimensional cephalometric analysis as an aid in evaluating changes in the craniofacial skeleton

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ABSTRACT

A technique is presented for creating a standardized view for use in three-dimensional cephalometry. Three-dimensional cephalometric analysis has become a valuable tool in the assessment of skeletal remodeling, contour changes, and changes in proportion that occur with aging. Computer-assisted tomographic data can be used in either coronal or axial sections; the present study was performed with axially acquired data that was processed in several steps to achieve a standardized position of the facial skeleton for further evaluation. This technique may be a useful adjunct to standard cephalometrics to evaluate the craniofacial skeleton.

KEY WORDS: Three-dimensional cephalometrics, Craniofacial skeleton, Cephalometric analysis.

Submitted: February 1998

Accepted: June 1998.