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## The accuracy of video imaging for mixed dentition and adolescent treatment

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### ABSTRACT

The purpose of this study was to evaluate the accuracy of computerized video imaging in predicting the soft tissue outcome of growth modification treatment for skeletal Class II malocclusions. Pretreatment and posttreatment cephalometric and facial photographic records of 22 mixed dentition (8 to 10 years old) and 20 adolescent (12 to 14 years old) patients were digitized, and the known outcomes were compared with computer-generated VTOs and video images. The predicted video images were found to be reasonably accurate for the mixed dentition group, but unacceptable for the adolescent group. When graded by a panel of judges, orthodontists were far more critical of the findings than their lay counterparts. These results emphasize the potential of video imaging as a communication medium, rather than as a diagnostic tool for growing patients.

**KEY WORDS:** Video imaging, Growing patients, Diagnosis, Communication medium.

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