

# Orthodontics Treatment using Three Dimensional Model Simulation

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## Technology description

The use of digital models in orthodontics is rapidly increasing as the industry undergoes analog to digital conversions in record keeping. More than 2 million new orthodontic patients are started each year, and the 3D Dental Models for Computer Automated Treatment Simulation could be used for the orthodontics treatment of all patients. The current use of computerized treatment simulation tools is limited because of heavy reliance on human input to segment the dental arch into individual tooth objects. The 3D Dental Models for Computer Automated Treatment Planning requires little human input because it automatically separates the gums and teeth from one another. This software enables clinicians to ensure, in a virtual setting, that the selected treatment will produce the optimal outcome, with minimal user input.

3D Dental Models for Computer Automated Treatment Simulation could be used for the orthodontics treatment of all patients.

## Institution

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