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**Article:** Volume 45 Number 7 Page 655 - July/August 2018

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Education Tool and Surgical Aid in Endodontics**[Read article](#)

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**Abstract:** The use of 3D printed models created using cone beam computed tomography (CBCT) is a new addition to the field of dentistry. 3D printed models are easier for the patients to understand and serve as an effective treatment planning tool for the clinician. This case describes 3D printing as a technique which not only aids in visualization of the complex anatomy but serves as a great motivational and educational tool. A tooth with dens invaginatus

and chronic apical periodontitis requiring surgical intervention was printed and used for patient motivation and three-dimensional visualization, which improved the accuracy of diagnosis, treatment planning, predictability of procedures and final outcome.

**Clinical relevance:** 3D printed models can be utilized as a patient education tool for motivating patients who are not convinced by the surgical treatment modality.

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ARTICLE

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**Objective:** To demonstrate the usefulness of 3D printed models.

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