



## **i-CAT 3D Imaging For Dental Implant Placements**

i-CAT: The best in cone beam 3D imaging and the standard of care for dental implant placement

**In-office, state-of-the-art three-dimensional imaging is quick, convenient, and now available at Smiles by Stevens.**

Smiles by Stevens is proud to offer in-office imaging and the advantages it provides for both doctor and patient. i-CAT cone beam 3-D dental imaging and software has revolutionized dentistry and enables faster and more accurate implant surgery. Case studies have shown that the i-CAT Cone Beam 3D Imaging System, which can produce immediate three-dimensional images of oral anatomy in under 30 seconds, is better than traditional radiography at helping doctors make diagnoses. Patients presenting chronic problems that might have gone untreated based on the results of regular X-rays have experienced relief because of a diagnosis completed with i-CAT. What's more, the 3D data produced by i-CAT can be used for implant planning, third molar extractions, impactions, TMJ analysis, supernumeraries, airway assessments, panoramic, and cephalometrics (orthodontics).

In fact, 3D imaging allows Dr. Shea Stevens to "virtually" place dental implants. This technology removes the guesswork by producing more accurate images than traditional radiography, as recent case studies have proven, and results in better success rates for dental implants. The implant restorations can be prepared in advance, allowing Dr. Stevens to plan treatment and take into account the anatomical scene as well as the esthetic outcome.

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## **The benefits:**

- Cone Beam 3-D Dental Imaging provides high-definition, digital imaging with low radiation and a typical scan time of only 10 seconds. The i-CAT's computer-controlled software delivers quick and easy reconstruction of critical anatomical information, usually in under 30 seconds.
- The i-CAT exceeds the capabilities of traditional radiography, providing Dr. Stevens with more comprehensive anatomical information on bone and pathology prior to surgery, resulting in less trauma, less time in the dental chair, and predictable surgical outcomes.
- The anatomically accurate i-CAT images also allow Dr. Stevens to have surgical guides fabricated. These guides are made of resin and metal and are set on the jaw to guide the doctor in placing dental implants. The i-CAT's superior images allow for optimal treatment planning and success.
- With i-Cat technology, you and the doctor can view images chairside in a format you can understand. You and Dr. Stevens can discuss the images and treatment plan immediately.

## **Anatamage dental software**

Once your cone beam scan is complete, Dr. Stevens uses Anatamage to create volume imaging for a more accurate diagnosis. This software allows Dr. Stevens to view hard tissue transparency, detail bone profile, as well as airway and skin profiles. This effective visual rendering provides Dr. Stevens with better results than traditional radiography, without any of the distortions, like elongation or foreshortening, common to regular X-rays. This means less time deciphering images and more time identifying problems and developing appropriate treatments.

Call our Lancaster-based office today to schedule a comprehensive consultation or second opinion visit. Dr. Stevens will assess your current level of oral health, discuss your goals for your smile, and recommend a unique and practical treatment plan specifically for you.

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**Most dentists in Lancaster do not offer dental implants. Contact Dr. Shea F. Stevens to schedule a consultation at 717.581.0123.**

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