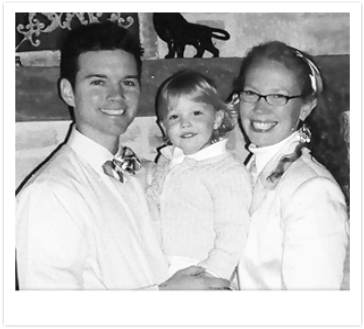




# Stillwater Periodontal Center

Edwin E. Sutherland II, DDS, MS

Limited to Periodontics & Dental Implants



Dr. Sutherland, Hayden Sutherland, three, and Jennifer Sutherland

## Sirona Galileos Arrives at Stillwater Periodontal Center

Imagine the Possibilities!

Stillwater Periodontal Center recently installed the Sirona Galileos 3D Cone Beam x-ray machine. This changes our offices diagnostic digital imaging modalities from two-dimensional to three-dimensional. Cone Beam Computed Tomography (CBCT) allows 3-D visualization of the oral and maxillofacial complex from any plane. The 14 second scan offers a large volume for every display type – 3D, panorama, CEPH, and cross sectional (TSA) slices with smaller radiation than that produced by medical CT. The radiation is the equivalent of 4 bitewings.

The data obtained will be able to be used to evaluate the hard tissue for possible dental implant placement and/or grafting, orthodontic treatment planning, temporomandibular joint complex evaluation, pathosis evaluation, and demonstration of anatomic variations. CBCT will assist Stillwater Periodontal Center in the pre-surgical planning for dental implant placement by localizing the anatomy to be avoided during surgery, measuring bone volume precisely, and assessing the quality of hard tissue. The Galileos also allows our office to fabricate implant surgical guides that match exactly the patient's anatomical structures to assist in less invasive surgery for dental implants.

## When is Grafting a Positive Solution

### *When to Recommend a Tissue Graft?*

There are many things to consider when recommending a tissue graft.

**Esthetics:** Is there a complaint of a “long tooth?” This occurs especially in the maxillary anterior.

**Thermal Sensitivity:** Does the patient have sensitivity due to hot and cold?

**Minimal Attached Gingiva:** Does the patient have 1mm of keratinized gingiva that is chronically inflamed. This may be an area to graft to increase the keratinized gingiva to minimize further recession.

**Shallow Root Caries:** A tissue graft to correct a class V cavity is an excellent option instead of a composite restoration. The tissue graft is more esthetically pleasing and does not leave a “long tooth” appearance.

**Thin Biotype:** This presents a concern in a small number of patients. These patients may experience recession even with normal mastication and brushing due to their thin gingival tissue. These cases are more difficult to manage and need to be addressed early if recession is noted.

## Free CT Scan

Stillwater Periodontal Center will be hosting an open house for dentists, dental hygienists, and their staff to view the capabilities of Sirona Galileos 3-D first hand. Complimentary CT scans will be provided for dentists and their staff. The event will be held from 5:00pm – 6:30pm on February 19th, 2009. Hors d'oeuvres and drinks will be provided. Please join us to see the possibilities.

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### Our Newest Addition



Oliver Charles Sutherland was born November 19th at Stillwater Medical Center. He weighed 10 pounds 10 ounces and was 23 inches long.

Oliver has already had football scholarship offers from a variety of Universities! Both Jennifer and Oliver are home and healthy.