



## Regenerative Periodontal Therapy

Periodontal disease is an infection. Bacteria infect the gums and grow down the tooth root destroying the bone that holds the tooth. When periodontal disease results in moderate to severe bone loss the only way to stop the disease is to get rid of the pocket where the bacteria live. There are two ways to remove the infected pocket. Resective surgery cuts away the tissue and eradicates the pocket. Regenerative surgery rebuilds the lost tissue.

Resective surgery removes the infected tissue but results in a loss of support for the teeth producing long teeth, exposed roots and sensitive teeth. Regenerative surgery rebuilds the bone and support for the tooth with the goal of producing normal healthy teeth and gums.

The most advanced periodontal therapy to date is the inverted periosteal graft. This surgery uses the patients own progenitor cells that have the ability to grow bone and increase support for the teeth.

Rebuilding lost tissue of any type is complex and challenging and therefore more costly. Some periodontists only perform regenerative surgery while others limit their practice to conventional methods. Your dentist will refer you the periodontist he thinks is the most appropriate for your care.

The photo at the right shows a patient who has periodontal disease with deep pockets and inflamed gums. The infection was removed and bone grafts were placed. The periosteum that covers the jaw is released and covers the bone graft. The periosteum has progenitor cells that will regenerate the lost bone and tooth attachment.



The next photo shows healthy gums with no pockets one month after surgery. Three months after surgery this patient will have no pockets and the bone will continue to mature and become more dense. At seven months post op the bone density of the treated lesions will be nearly indistinguishable from the surrounding bone.



Teeth are intended to last a lifetime. Even with dentures the loss of teeth results in a decrease in the ability to chew. The loss of teeth also results in premature aging of the face and poor nutrition due to the inability to properly prepare food for digestion. Your appearance and health depends on your teeth. Jackson Creek Dental Group is dedicated to providing you with the most advanced treatment available to maintain your health and appearance.

*Note: The inverted periosteal graft (patent pending) is the intellectual property of STEINER LABORATORIES. Use of the inverted periosteal graft is granted in writing to those practitioners using STEINER LABORATORIES bone graft products. This presentation was developed at Jackson Creek Dental Group in conjunction with Steiner Laboratories. Copyright Steiner Laboratories*