

CONSENT FOR THE USE OF PERIODONTAL BONE REGENERATIVE PROCEDURES

Diagnosis. After a careful oral examination and study of my dental condition, my periodontist has advised me that I have periodontal disease. I understand that periodontal disease weakens support of my teeth by separating the gum from the teeth and possibly destroying some of the bone that supports the tooth roots. The pockets caused by this separation allow for greater accumulation of bacteria under the gum in hard to clean areas and can result in further erosion or loss of bone and gum supporting the roots of my teeth. If untreated, periodontal disease can cause me to lose my teeth and can have other adverse consequences to my health. Bone augmentation procedures are also provided for augmentation of part of the bone in the jaw to allow future placement of dental implant(s). Without the added bone grafting, insufficient room will exist for implant placement.

Recommended Treatment. In order to treat this condition, my periodontist has recommended that my treatment include bone regenerative surgery. I understand that sedation may be utilized and that a local anesthetic will be administered to me as part of the treatment. I further understand that antibiotics and other substances may be applied to the roots of my teeth.

During this procedure, my gum will be opened to permit better access to the roots and to the eroded bone. Inflamed and infected gum tissue will be removed, and the root surfaces will be thoroughly cleaned. Bone irregularities may be reshaped.

The gums may also be opened to access and harvest bone from one part of my jaw to be used in another deficient part of my mouth.

Graft material will be placed in the areas of bone loss around the teeth. Various types of graft materials may be used. These materials may include my own bone, synthetic bone substitutes, or bone obtained from tissue banks (allografts – human bone or xenografts – animal bone). Synthetic growth factors (enamel matrix derivative or recombinant human platelet derived growth factor) may also be added to the bone or bone substitutes or used on their own. Membranes may be used with or without graft material- depending on the type of bone defect present. My gum will be sutured back into position over the above materials, and a periodontal bandage or dressing may be placed.

I further understand that unforeseen conditions may call for a modification or change from the anticipated surgical plan. These may include, but are not limited to,

- 1) extraction of hopeless teeth to enhance healing of adjacent teeth,
- 2) the removal of a hopeless root of a multi-rooted tooth so as to preserve the tooth, or
- 3) termination of the procedure prior to completion of all of the surgery originally outlined.

Expected Benefits. The purpose of bone regenerative surgery is to reduce infection and inflammation and to restore my gum and bone to the extent possible. The surgery is intended to help me keep my teeth in the operated areas and to make my oral hygiene more effective. It should also enable professionals to better clean my teeth. The use of bone, bone graft material, or the placement of a membrane is intended to enhance bone and gum healing.

Bone grafting may also provide sufficient width of bone to allow proper placement of a dental implant.

Principal Risks and Complications. I understand that some patients do not respond successfully to bone regenerative procedures. The procedure may not be successful in preserving function or appearance. Because each patient's condition is unique, long-term success may not occur. In rare cases, the involved teeth/implant may ultimately be lost.

I understand that complications may result from the periodontal surgery involving bone regenerative materials, drugs, or anesthetics. These complications include, but are not limited to post-surgical infection, bleeding, swelling and pain, facial discoloration, transient but on occasion permanent numbness of the jaw, lip, tongue, teeth, chin, or gum, jaw joint injuries or associated muscle spasm, transient, but on occasion permanently increased tooth looseness, sensitivity to hot, cold, sweet or acidic foods, shrinkage of the gum upon healing resulting in elongation of some teeth/implant and greater spaces between some teeth/implant, cracking or bruising of the corners of the mouth, restricted ability to open the mouth for several days or weeks, adverse impact on speech, allergic reaction and accidental swallowing of foreign matter. In the event that donated tissue is used for the graft, the tissue should have been tested for hepatitis, syphilis, and other infectious disease. Nevertheless, there is a remote possibility that tests will not determine the presence of diseases in a particular donor tissue. The exact duration of any complications cannot be determined, and they may be irreversible. It is important to note that medications typically taken for osteoporosis, certain cancers as well as other disorders (bisphosphonates) such as Fosamax may NOT allow proper healing and may cause additional damage to my bone and teeth.

There is no method that will accurately predict or evaluate how my gum and bone will heal. I understand that there may be a need for a second procedure if the initial surgery is not entirely successful. In addition, the success of bone regenerative procedures can be affected by medical conditions, dietary and nutritional problems, smoking, alcohol consumption, clenching and grinding of the teeth, inadequate oral hygiene, and medications that I may be taking. To my knowledge I have reported to my periodontist any prior drug reactions, allergies, diseases, symptoms, habits, or conditions which might in any way relate to this surgical procedure. I understand that my diligence in providing the personal daily care as recommended by my periodontist and taking all medications as prescribed is important to the ultimate success of the procedure.

Alternatives to Suggested Treatment. Alternatives to periodontal surgery with bone regenerative surgery include:

- 1) no treatment- which may result in the advancement of my condition which may result in premature loss of teeth or implant,
- 2) extraction of a tooth or teeth or implant involved with periodontal disease,
- 3) non-surgical scraping of tooth roots and lining of the gum (scaling and root planing), with or without medication, in an attempt further to reduce bacteria and tartar under the gum line- with the expectation that this may not fully eliminate deep bacteria and tartar, may not reduce gum pockets, will require more frequent professional care and time commitment, and may not arrest in the worsening of my condition and the premature loss of teeth or implant.
- 4) in the case of grafting in preparation for implants, fixed or removable partial dentures, or no treatment are alternatives that may be investigated.

Necessary Follow-up Care and Self-Care. I understand that it is important for me to continue to see my regular dentist. Existing restorative dentistry can be an important factor in the success or failure of periodontal therapy. From time to time, my periodontist may make recommendations for the placement of restorations, the replacing of existing restorations or their modification, the joining together of two or more teeth or implants, the performance of root canal therapy, or the movement of one, several, or all of my teeth. I understand that the failure to follow such recommendations could lead to ill effects, which would become my sole responsibility.

I recognize that natural teeth and their artificial replacements should be maintained daily in a clean, hygienic manner. I will need to come for appointments following my surgery so that my healing may be monitored and so that my periodontist can evaluate and report on the outcome of surgery upon completion of healing. Smoking or alcohol intake may adversely affect gum healing and may limit the successful outcome of my surgery. I know that it is important (1) to abide by the specific prescriptions and instructions given by the

periodontist and (2) to see my periodontist and dentist for periodic examination and preventive treatment. Maintenance also may include adjustment of prosthetic appliances.

It is important to note that medications typically taken for osteoporosis, certain cancers as well as other disorders (bisphosphonates or other types of medication) such as Fosamax or Prolia may NOT allow proper healing and may cause additional damage to my bone and teeth.

No Warranty or Guarantee. I hereby acknowledge that no guarantee, warranty or assurance has been given to me that the proposed treatment will be successful. In most cases, the treatment should provide benefit in reducing the cause of my condition and should produce healing which will improve the volume of bone in the area treated. Due to individual patient differences, however, a periodontist cannot predict certainty of success. There is a risk of failure, relapse, additional treatment, or even worsening of my present condition, including the possible loss of certain teeth, despite the best of care.

Jurisdiction. I acknowledge that the treatment /service is to be performed in the province of Ontario, and agree that the courts of the province of Ontario shall have exclusive jurisdiction to adjudicate any complaint, demand, claim or cause of action, whether based on alleged breach of contract or provide benefit in reducing the cause of my condition and should produce healing which will help me keep my teeth. Due to individual patient differences, however, a periodontist cannot predict the absolute certainty of success. There exists the risk of failure, relapse, additional treatment, or worsening of my present condition, including the possible loss of certain teeth or implants, despite the best of care.

Publication of Records. I authorize photos, slide, x-rays or any other viewings of my care and treatment during or after its completion to be used for the advancement of dentistry and for reimbursement purposes. My identity will not be revealed to the general public, however, without my permission.

Governing Law. I agree that the relationship between me and the dentist shall be governed alleged negligence arising out of the treatment.

PATIENT CONSENT

I have been fully informed of the nature of bone regenerative surgery, the procedure to be utilized, the risks and benefits of such surgery, the alternative treatments available and the necessity for follow-up and self-care. I have had the opportunity to ask any questions I may have in connection with the treatment and to discuss my concerns with the periodontist. After thorough deliberation, I hereby consent to the performance of bone regenerative surgery as presented to me during consultation and in the treatment plan presentation as described in this document. I also consent to the performance of such additional or alternative procedures as may be deemed necessary in the best judgment of my periodontist.

I CERTIFY THAT I HAVE READ AND FULLY UNDERSTAND THIS DOCUMENT

Date

(Printed Name of Patient,
Parent or Guardian)

(Signature of Patient, Parent
or Guardian)

Date

(Printed Name of Witness)

(Signature of Witness)