

## DISCUSSION & INFORMED CONSENT FOR ROOT CANAL TREATMENT

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### FACTS FOR CONSIDERATION

Root canal treatment, also called *endodontic treatment* involves removing the nerve tissue (called *pulp*) located in the center of the tooth and its root or roots (called the *root canal*). Treatment involves creating an opening through the biting surface of the tooth to expose the remnants of the pulp, which then are removed. Medications may be used to sterilize the interior of the tooth to prevent further infection. Root canal treatment may relieve symptoms such as pain and discomfort. If any unexpected difficulties occur during treatment, I may refer you to an endodontist, who is a specialist in root canal treatment.

Twisted, curved, accessory, or blocked canal(s) may prevent removal of all of the inflamed or infected pulp. The presence of any residual pulp in the canal(s) may cause your symptoms to continue or worsen. This might require an additional procedure called an *apicoectomy*. A small opening is cut in the gums and surrounding bone; any infected tissue is removed and the canal(s) is sealed. An apicoectomy may also be required if your symptoms continue and the tooth does not heal.

Each empty canal(s) that can be located is filled with a material designed specifically for root canal therapy. Sometimes a canal is present but cannot be located. Occasionally, a post is also inserted into the canal to help restore the tooth. After filling the opening in the tooth, the tooth is closed with a temporary filling. At a later appointment, a permanent filling or *crown* may be placed. This is a separate dental procedure not included in this discussion.

Once the root canal treatment is completed, it is essential to return promptly to begin the next step in treatment.

Because a temporary seal is designed to last only a short time, failing to return as directed to have the tooth sealed permanently with a crown or filling can lead to other problems such as the need to repeat the treatment at an additional cost, deterioration of the seal, resulting in decay, infection, gum disease, fracture, and the possible loss of the tooth.

Even in cases with no complications, where a crown or filling is placed right away, this procedure will not prevent future tooth decay, tooth fracture or gum disease, and occasionally a tooth that has had root canal treatment may require endodontic re-treatment, endodontic surgery, or tooth extraction.

### BENEFITS OF ROOT CANAL TREATMENT, NOT LIMITED TO THE FOLLOWING:

Root canal treatment is intended to extend the life span of your tooth, which will help to maintain your

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natural bite and the healthy functioning of your jaws. This treatment may also be recommended to relieve the symptoms that may be associated with the diagnosis described above.

**RISKS OF ROOT CANAL TREATMENT, NOT LIMITED TO THE FOLLOWING:**

I understand that following treatment I may experience bleeding, pain, swelling, and discomfort for several days, which may be treated with pain medication. It is possible infection may accompany root canal treatment and may require treatment with antibiotics. I will immediately contact the office if conditions worsen or if I experience fever, chills, sweats, numbness, sinus problems, severe pain or swelling.

I understand that all medications in this office have the potential for accompanying risks, side effects and drug interactions. They can cause redness and swelling of the tissues, pain, itching, vomiting and/or anaphylactic shock. I attest that to my knowledge, I have given an accurate report of my physical and mental health history. I have also report any prior allergic or unusual reactions to drugs, food, insect bites, anesthetics, pollens, dust, blood or body diseases, gum or skin reactions, abnormal bleeding or any other conditions related to my health.

I understand that I may receive a topical and/or local anesthetic by injection and/or other medication(s). I understand that I may have loss of feeling in my teeth, lips, tongue and surrounding tissue (paresthesia) following injections. In rare instances, patients can have a strong and unpredictable reaction to the anesthetic, which may require emergency medical attention. The medication may affect my ability to control swallowing. This increases the chance of swallowing foreign objects during treatment. *Depending on the anesthesia and medications administered, I may need a designated driver to take me home. Rarely, temporary or permanent nerve injury resulting in loss of feeling of the chin, lips, gums, tongue and partial loss of taste can result from an injection.*

I understand that holding my mouth open during treatment may temporarily leave my jaw feeling stiff and sore and may make it difficult for me to open wide for several days, sometimes referred to as trismus. However, this can occasionally be an indication of a most significant condition or problem. In the event this occurs, I must notify this office if I experience persistent trismus or other similar concerns arise.

I understand that occasionally a root canal instrument, may separate in a root canal that is twisted, curved, or blocked with calcium deposits. Depending on its location, the fragment may be retrieved or it may be necessary to seal it in the root canal (these instruments are made of sterile, non-toxic surgical stainless steel, and typically causes no harm). It may also be necessary to perform an apicoectomy as described above, to seal the end or lower part of the root canal.

I understand that during treatment the root canal filling material may extrude out the root canal into the

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surrounding bone and tissue. Occasionally, an apicoectomy may be necessary for retrieving the filling material and sealing the root canal.

I understand that other complications which may occur include, but are not limited to: perforations (extra openings) of the canal made by an instrument, blocked root canals that cannot be completely cleaned and filled, fracture, chipping, or loosening of existing adjacent tooth or crown, requiring replacement at an additional cost, temporary or permanent numbness or painful nerve sensations.

I understand teeth that have received root canal treatments may become brittle and be more prone to cracking and breaking over time, which may require removal and replacement with a bridge, partial denture or implant. In some cases, root canal treatment may not relieve all symptoms. The presence of gum disease (*periodontal disease*) can increase the chance of losing a tooth even though root canal treatment was successful.

I understand that root canal treatment may not relieve my symptoms, and I may need my tooth extracted.

**CONSEQUENCES IF NO ROOT CANAL TREATMENT IS ADMINISTERED, NOT LIMITED TO THE FOLLOWING:**

I understand that if I do not have root canal treatment, my discomfort may continue and I may face the risk of a serious, potentially life-threatening infection, abscesses in the tissue and bone surrounding my teeth and eventually, the loss of my tooth and/or adjacent teeth.

**ALTERNATIVE TREATMENTS IF ROOT CANAL TREATMENT IS NOT THE ONLY SOLUTION, NOT LIMITED TO THE FOLLOWING:**

I understand that depending on my diagnosis, alternatives to root canal treatment may exist which involve other disciplines in dentistry. Extracting my tooth is the most common alternative to root canal treatment. It may require replacing the extracted tooth with a removable or fixed bridge or an artificial tooth called an *implant*. I have asked my dentist about the alternatives and associated expenses. My questions have been answered to my satisfaction regarding the procedures, its risks, benefits, alternatives and cost.

**FOR ALL PATIENTS**

I understand that every reasonable effort will be made to ensure the success of my treatment. I further understand that each person and treatment situation is unique, and therefore, no guarantee or assurance has been given to me by anyone that the proposed treatment or surgery will cure or improve the condition(s) listed above.

I understand that during treatment it may be necessary to change or add procedures because of conditions found while working on the teeth that were not discovered during examination. The dentist will explain all



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changes.

I have been given the opportunity to ask questions about Root Canal Treatment and believe that I have sufficient information to give my consent as noted below.

**CONSENT**

I have been informed, both verbally and by the information provided on this form, of the risks and benefits and alternatives of the proposed treatment. I have been informed, both verbally and by the information provided on this form, of the material risks and benefits of alternative treatment and of electing not to treat my condition. I certify that I have read and understand the above information, that the explanations referred to are understood by me, that my questions have been answered. I authorize and direct the dentist to do whatever he/she deems necessary and advisable under the circumstances. I consent to have treatment performed. While the treatment may be covered by my medical and/or dental insurance, I accept any financial responsibility for this treatment and authorize treatment.

If I am signing for a minor child, I attest that I am the parent and/or a legal guardian or I have the permission of the child's parent and/or a legal guardian (a separate authorization form is required). If I am signing for an adult, I attest that I am a legal guardian and am authorized to make medical and financial decision on patient's behalf.

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