



Debridement and disinfection of the root canal walls, penetrating deep into the dentin tubules.

How Waterlase RapidEndo Works

The Waterlase uses a combination of water, laser energy, and chemical irrigants to clean and disinfect the root canal system. Here's a step-by-step overview:

1. Accessing the Pulpal Chamber

The dentist creates an opening in the tooth to access the infected pulp.

2. Laser Cleaning

After the infected pulp is removed, the Waterlase is used to remove remaining infected tissue, debris, and calcifications. The laser energy also helps to remove the smear layer and biofilm from the canal walls, penetrating deep into the dentin tubules.

3. Irrigation and Disinfection

Waterlase's unique capabilities create pressure waves and cavitation bubbles that propel an antiseptic irrigant through the root canal system, accessing areas that are very tough to reach with traditional files, ensuring a thorough disinfection.

4. Sealing the Tooth

Once the canals are cleaned and disinfected, they are filled and sealed to prevent future infections.

What Happens If You Don't Get Root Canal Therapy?

If you choose not to undergo root canal therapy on a severely infected/decayed tooth, the infection or decay will likely worsen. Here are some potential consequences of ignoring the situation:

✦ Increased Pain

The infection can cause severe, persistent pain that can impact your daily life.

✦ Spread of Infection

The infection can spread to surrounding teeth, gums, and even other parts of your body, leading to more serious health issues.

✦ Tooth Loss

The infected tooth may eventually die and require extraction, resulting in the loss of your tooth.

✦ Bone Loss

Tooth extraction can lead to the deterioration of the jawbone in the affected area, causing further dental problems and costly restorative procedures such as dental implants.

Conclusion

Waterlase RapidEndo represents a significant advancement in root canal therapy, offering our patients a more effective, comfortable, and efficient solution. By choosing Waterlase RapidEndo, you are opting for a cutting-edge technology that prioritizes your dental health and overall well-being. We have invested significantly into this advanced technology to provide the best possible standard of care for our patients. If you need a root canal, talk to your dentist today about Waterlase RapidEndo and the benefits of this innovative approach to root canal therapy.



RAPIDENDO™
For Root Canal Therapy

What is Root Canal Therapy?

Root Canal Therapy (RCT) is a dental procedure designed to save a tooth that is severely infected or decayed. Inside each tooth is a soft tissue called the pulp, which contains nerves and blood vessels. When the pulp becomes infected or damaged (Pulpitis), it can cause severe pain and lead to further complications—including the loss of the tooth. RCT involves removing the infected pulp, cleaning the inside of the tooth, and sealing it to prevent future infections.

Benefits of RCT:

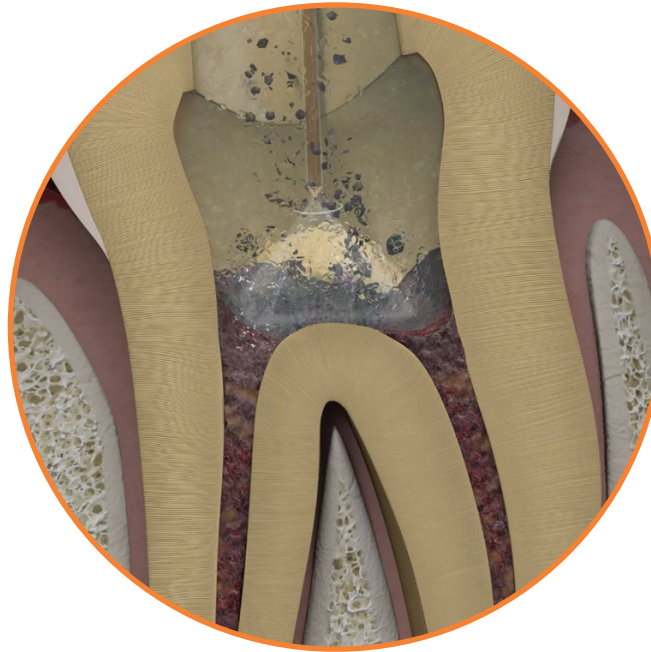
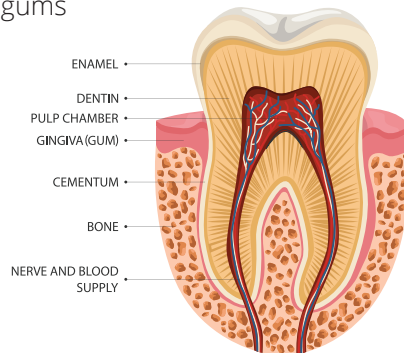
- + Pain relief/reduce inflammation
- + Mitigate further decay/infection
- + Preservation of the natural tooth structure

Diagnosis

Your Dentist may diagnose an infection or decay in your tooth through a combination of symptoms, dental exams, and imaging techniques. Dental X-rays help visualize the extent of the damage and infection, guiding the dentist in planning the root canal therapy.

Symptoms of Infection/Severe Decay:

- + Severe toothache/pain
- + Sensitivity to hot or cold temperatures
- + Swelling of the gums
- + Tenderness



The dental pulp and debris is removed and disinfected.

Traditional Root Canal Therapy

In traditional root canal treatments, the dentist uses manual tools, such as mechanical abrasion with drills and files, and chemicals to clean out the infected pulp from the root canals. While effective, this method has some limitations:

- + **Complex Anatomy**
The intricate and narrow root canals can be difficult to clean thoroughly, sometimes leaving behind bacteria which can cause reinfection.
- + **Multiple Visits**
Traditional RCT often requires multiple appointments to ensure thorough disinfection of the root canals.
- + **Post-Treatment Discomfort**
Traditional methods can require larger access, which may result in more postoperative discomfort.

Waterlase RapidEndo Laser RCT

Waterlase RapidEndo is a revolutionary root canal therapy that utilizes advanced laser technology to enhance the procedure. Here's why it's beneficial:

- + **Precision and Thorough Disinfection**
The Waterlase uses laser energy to precisely target and remove infected tissue, debris, and bacteria from the root canals, even in the most complex dental anatomy. This ensures a more thorough cleaning compared to traditional methods.
- + **Enhanced Disinfection**
The laser's energy helps eliminate >99.9% of bacteria within the tooth, significantly reducing the risk of post-treatment re-infections.
- + **Minimized Pain and Discomfort**
The minimally invasive nature of Waterlase often results in less postoperative pain and faster healing. Most patients experience reduced discomfort during and after the procedure.
- + **Faster with Fewer Appointments Needed**
The efficiency of Waterlase RapidEndo often means the procedure can be completed in fewer visits, saving you time and reducing the inconvenience of multiple appointments.

