

How to find us

Our centre is located in Chiswell Green, St Albans, Herts next to the Co-op.



If you are travelling by bus, visit tfl.gov.uk/modes/buses/ for bus information.



You can park on the side roads around the centre, or we have a small car park at the front of the centre.



If you are travelling by train, you can find directions on Google Maps.

Specialist Endodontics

The Art of Dental Excellence

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UK Dental Specialists
at Chiswell Green

What is root canal treatment?

Root canal treatment is a dental treatment that aims to resolve apical periodontitis, which is an infection that can affect the tooth and its surrounding tissues. The aim of the root canal treatment is to kill the bacteria that penetrate into the tooth, remove the dead tissues from the inside of the tooth and fill the tooth, in order to prevent a new infection.



What is root canal re-treatment?

Root canal re-treatment is necessary when bacteria have re-entered a previously root filled tooth. Occasionally an infected root filled tooth becomes painful or diseased months or even years after treatment. Sometimes the infected tooth can develop inflammation without giving any pain at all. The inflammation can go on for years undetected until it becomes painful or is detected at a routine x-ray examination.



Root canal treatment procedure

It usually takes one visit (one and a half hour appointment) to carry out root canal treatment or re-treatment. Additional visits might be necessary due to particular circumstances (for example, anatomical or technical difficulties).

The process is as follows:

Preoperative radiograph A small radiograph (X-ray) of the tooth is taken before starting the root canal treatment.

Isolation of the infected tooth from the rest of the mouth The infected tooth is isolated from the rest of the mouth applying a special rubber sheet called a rubber dam.

Mechanical cleansing of the root canals The inside of the tooth is then mechanically cleaned using precision files and instruments and rinsed thoroughly using several solutions able to kill the bacteria that cause the infection.

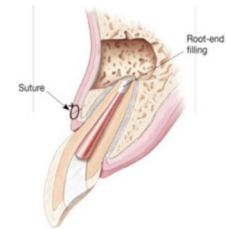
Root canals obturation The root canals are filled using guttapercha coated with a special root canal sealer. Guttapercha is a rubber material chosen for its strength and durability.

Placement of a temporary filling onto the tooth Again the resistant temporary filling material is placed onto the tooth to prevent infection of the tooth before a permanent restoration is placed.

Permanent restoration of the tooth After the endodontic retreatment is completed, you may need to return to your dentist to have a new crown or other restoration placed on the tooth to protect and restore it to its full function as will be advised by the endodontist.

What is root end surgery?

In few cases, root canal treatment alone cannot save the tooth. In such cases, root end surgery may be recommended. In this procedure, the gum tissue near the tooth is opened to remove the inflamed or infected tissue. The very end of the root is also removed. A small filling may be placed in the root to seal the end of the root canal and the gum tissue is closed again.



Why is referral necessary?

All dentists receive basic training in root canal treatment, however some endodontic treatments can be particularly challenging, so many dentists refer patients to specialist endodontists.

Endodontists are experts in performing non surgical and surgical root canal treatments, using technology such as operating microscopes, ultrasonics and digital imaging to achieve the best possible outcomes.