

## Department of Oral and Maxillofacial Surgery

# Apicectomy

This leaflet aims to improve your understanding of any forthcoming treatment and contains the answers to frequently asked questions. If you have any other questions that the leaflet does not answer or would like further explanation please ask the staff.

### The problem

An infection has occurred at the tip of the root of one of your teeth. Sometimes this does not cause any symptoms but usually people are aware of discomfort and occasional episodes of swelling, gum boils or a bad taste in the mouth. You may have been given a course of antibiotics to treat the infection.

### Why do I need treatment?

If left untreated, the infection is likely to develop into an abscess or cyst. As well as causing pain, this can lead to the loss of bone surrounding the root. As a result the tooth will become loose.

### What does treatment involve?

Your dentist will have already tried to get rid of the infection by removing the nerve of the tooth and placing a root filling. The infection now needs to be removed surgically in a procedure called an apicectomy. This involves cleaning out the infection from the bone by removing a small portion of the tip of the root of the tooth and then sealing the root with a small filling.



## Patient Information

It is necessary to make a small cut in the gum over the root of the tooth and then lift the gum off the bone. The area of infection is uncovered by removing a small amount of bone with a drill. Any infected tissue is thoroughly cleaned away from the tip of the root before 2-3mm of the root tip are removed. The root is sealed with a small filling. The gum is then stitched back into place with dissolvable stitches that take around two weeks to disappear. The whole procedure will take around 30 minutes from start to finish.

### **What type of anaesthetic is used?**

Usually an apicectomy is carried out under a local anaesthetic, in which an injection into the gum numbs the area. This anaesthetic will prevent you feeling any pain during the procedure.

### **What can I expect after the operation?**

When the local anaesthetic wears off a few hours after surgery, there will be some discomfort. If it is likely to be very sore your surgeon will arrange pain killers for you. It might also be necessary to take a course of antibiotics. The discomfort is usually worse for the first few days although it may take a couple of weeks to completely disappear.

- Some swelling can occur both inside and outside the mouth after surgery. This is usually most noticeable for about two days
- You may require a day or two off work
- You should try to avoid strenuous exercise
- It is important to keep the site of the surgery as clean as possible for the first few weeks after surgery
- If it is difficult to use a toothbrush the area can be kept free of food debris by gently rinsing with a mouth wash or warm salt water (dissolve a teaspoon of kitchen salt in a cup of warm water) beginning on the day after surgery

## **What are the possible problems?**

It is unusual for the area to bleed after surgery but should this happen it can usually be stopped by applying pressure over the area for at least 10 minutes with a rolled up, clean, handkerchief or swab. If the bleeding does not stop please contact the department.

Lifting the gum to uncover the root of the tooth can occasionally lead to a numb feeling in the gum. This usually disappears after a few months. Because the gum is cut it can occasionally shrink back a few months after surgery as scar tissue forms. This is not normally a problem but if the tooth has been crowned the edge of the crown may become exposed.

Even if all the infection is successfully removed it can sometimes return months or even years later. If this happens it might be necessary to have the operation repeated or the tooth removed.

## **What are the chances of success?**

The success rate is usually around 70-80%. This does vary depending on which tooth is being treated and what previous treatment has been carried out on the tooth.

## **When can I return to work?**

This largely depends on your occupation and how you feel afterwards. It may be possible to return to work the next day if you have had a local anaesthetic. A day or so extra maybe advisable if you have had sedation or a general anaesthetic.

## **Review appointment**

An appointment will be given for a review in 2-3 months. An X-ray maybe required if the clinician thinks it necessary, to check healing is progressing satisfactorily.

## Patient Information

### Further questions

Please contact the Maxillofacial Department (clinic 11) during normal office hours on 024 7696 6500.

If you experience any problems out of these hours please contact:  
The main hospital switchboard on: - 024 7696 4000, asking for the maxillofacial senior house officer on call.

Adapted from British Association of Oral and Maxillofacial Surgeons  
<http://www.baoms.org.uk/>

The Trust has access to interpreting and translation services. If you need this information in another language or format please contact 024 7696 6500 and we will do our best to meet your needs.

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#### Document History

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