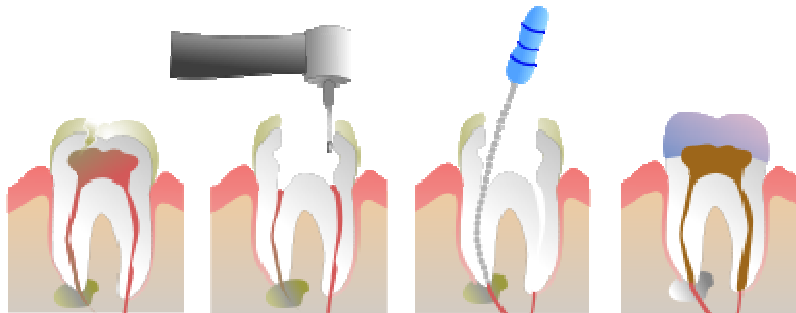


Video Project 3: Endodontic Therapy

- abscess** /'æb.ses/ noun [C]
 a painful swollen area on or in the body, which contains pus (= thick, yellow liquid):
She had an abscess on her gum.



- calcium hydroxide /,kæ1.sɪəm haɪd'rɒk.saɪd/

- a size 20 broach file

'nail file noun [C]

a small strip of metal or paper with a rough surface used for making the edges of your nails smooth and curved

- bite** /baɪt/ verb **bit, bitten**
 [I or T] to use your teeth to cut into something or someone:
He bit into the apple.
An insect bit me on the arm.
He bites his fingernails.

- According to the present text...

- Video: Root canal treatment (general)**

- When the pulp of the tooth becomes infected or dies, root canal therapy is necessary to save the tooth. The pulp is a soft tissue made up of nerves and blood vessels.

make up sth phrasal verb

to form a particular thing, amount or number as a whole:

Road accident victims make up almost a quarter of the hospital's patients.

The book is made up of a number of different articles.

- It is contained in the pulp chamber, which extends from the middle of the tooth down through the root canals.

/eɪ/ ray, change, chamber, danger



- It becomes infected when bacteria invade the pulp. This happens most commonly through a deep cavity which allows bacteria through the enamel and dentin layers and into the tooth.
- Sometimes the pulp simply dies due to a fracture or a blow to the tooth.
- You may realize you have an infected tooth because it is sensitive to heat or cold.

It's **cold**. ≠ It's **hot**. adjective
 It's sensitive to **cold**. ≠ It's sensitive to **heat**. noun

- It hurts with biting or pressure, or there is throbbing severe pain, swelling or a bad taste in your mouth. You may also be unaware of the problem because you have no symptoms at all.

/sɪ'viər/
 /'sɪm.təm/ /'sɪmp.təm/

The four main tastes:

sweet (like sugar)
 salty (like crisps)
 sour / acid (like lemon)
 bitter (like coffee)

- If left untreated, the infection can travel through the tips of the tooth roots and into the jawbone where it can dissolve the bone and form a painful abscess.
- To determine if your tooth has an infected pulp, we'll do a thorough examination which may include X-rays.

thorough /'θʌr.ə/ adjective

detailed and careful:

a thorough revision of the manuscript

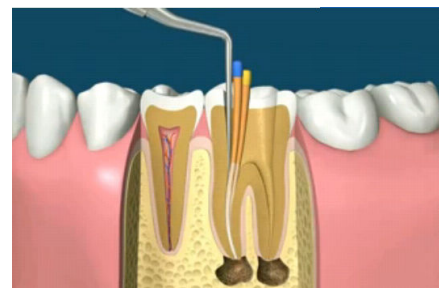
They did a thorough search of the area but found nothing.

- The exam sometimes includes checking the health of the pulp with a pulp tester. We may also apply heat or cold, or tap gently/lightly on the tooth to observe sensitivity, look for changes in the tooth colour, or press gently on the gums next to the tooth to check for pain.
- If we determine you have an infected tooth, we'll talk with you about treatment to remove the infection.
- Root canal therapy is a generally comfortable treatment that can save your tooth and keep your mouth healthy.

/'kʌm.fə.tə.bl/

Video: Root canal treatment (Procedure)

- Root canal treatment starts with the standard drill to access the inside of the tooth. Slower-speed round drills can then be used to remove decay and to expose the canal.



- Tiny files are then used to remove the contents of these canals.

contain verb
content noun

- The manual method of root canal treatment involves using increasing file sizes that gently clean and shape these canals.
- A tooth may have one or more canals.
- Using the manual treatment method of filling the canals involves checking the cone size, then placing rubber cones covered with a liquid sealer into the canals. Once enough cones have been placed, spreading instruments can then be used to compact the cones even further.
- After the canal is tightly sealed, the excess rubber cones can be removed with a heated instrument.

excess /ek'ses/ /'--/ adjective [before noun]

extra:

Cut off any excess pastry and put it to one side.

ex,cess 'baggage noun [U] (UK ALSO **excess luggage**)

bags which weigh more than the allowed amount for an individual passenger, or the money you are charged to take them onto an aircraft:

We had to pay excess baggage.

He arrived with 88 pounds of excess baggage.

- The heated instrument can also be used to heat and compact the cones to better fill the canal space.
- For optimum treatment, one or more posts may be placed to strengthen the tooth and to retain the filling.

retain /rɪ'teɪn/ verb [T]

1 SLIGHTLY FORMAL to keep or continue to have something:

She has lost her battle to retain control of the company.

I have a good memory and am able to retain (= remember) facts easily.

2 SLIGHTLY FORMAL If a substance retains something, such as heat or water, it continues to hold or contain it:

The sea retains the sun's warmth longer than the land.

- In this case, a light-cured resin is used to fill the space. It's soft when placed in the tooth and hardened with a bright light.
- At this point, the tooth is still in a weakened state and can break with heavy biting.
- The best treatment usually involves preparing the tooth and covering it with a full crown sometimes called a cap.
- Any pathology at the tip of the root should disappear with time and the tooth will be saved.

Other things we talked about:

- ☑ What does mean?
I don't know what means.

- ☑ fill → filling /'fɪl.ɪŋ/
file → filing /'faɪ.ɪŋ/

- ☑ **party** /'pɑ:.ti/ /'pɑ:r.əi/ noun [C]
a social event where a group of people meet to talk, eat, drink, dance, etc., often in order to celebrate a special occasion:
a birthday party
a farewell party
a dinner party (= a small sometimes formal party where a meal is eaten)
a UK fancy-dress/US costume party (= a party where people wear clothes that make them look like someone or something else)
*Peter **has/gives/throws** really wild parties.*

Pronunciation:

- ☑ fill → filling /'fɪl.ɪŋ/
file → filing /'faɪ.ɪŋ/

And finally homework:

1. Print-out the class notes and review it actively. (Don't just read it! Try to use the sentences and talk to yourself or your friends about it.)

2. Study the text on Root canal therapy and prepare yourselves for VP3.
Here are some more resources:
<http://www.youtube.com/watch?v=jTrdwBFmOAA&feature=related>
http://www.youtube.com/watch?v=wOLLHNve_iA
<http://www.youtube.com/watch?v=YfQe1QzeDIY>