

Video Project 3: Endodontic Therapy (Continued)

- vital /'vaɪ.təl/
 vitalize /'vaɪ.tə.laɪz/
 devitalize /dɪ'vaɪ.tə.laɪz/

- trauma** /'trɔː.mə/ noun [C or U]
 1 severe emotional shock and pain caused by an extremely upsetting experience:
the trauma of marriage breakdown
He had psychotherapy to help him deal with his childhood traumas.
 2 SPECIALIZED a severe injury, usually caused by a violent attack or an accident

- ninety /'naɪn.ti/
 percent /pə'sent/

- modern /'mɒd.ən/

- therapy /'θer.ə.pi/

- Lidocaine is a commonly used local anaesthetic. /'laɪdə,kem/

- anaesthesia, anesthesia** /,æ.n.əs'θiː.zi.ə/ /-ʒə/ noun [U]
anaesthetic, anesthetic /,æ.n.əs'θet.ɪk/ noun [C or U]
anaesthetist, anesthesiologist /ə'niːs.θə.tɪst/ noun [C]
anaesthetise, anesthetize /ə'niːs.θə.taɪz/ verb [T]

- You notice you have an infected tooth only when it becomes sensitive to...
heat and cold.
hot and cold food.

- To cure the infection the dentist scrapes the infected pulp out of the root canals.

 to scrape **something** out
 to scrape out **something**
 to scrape **it** out

scrape /skreɪp/ verb [T]
 to remove an unwanted covering or a top layer from something, especially using a sharp edge or something rough:
Scrape your boots clean before you come in.
We'll have to scrape the snow off the car before we go out in it.
Emily scraped away the dead leaves to reveal the tiny shoot of a new plant.

scraper /'skreɪ.pər/ noun [C]

a tool for scraping:

Using a scraper to remove wallpaper can be very time-consuming.

- The dentist cleans the tooth by scratching and irrigating...

scratch /skrætʃ/ verb

1 [I or T] to cut or damage a surface or your skin slightly with or on something sharp or rough:

We scratched the paintwork trying to get the bed into Martha's room.

Be careful not to scratch yourself on the roses.

A few chickens were scratching about/around (= searching with their beaks) in the yard for grain.

2 [T] If you scratch something on or off a surface, you add it or remove it by scratching:

People have been scratching their names on this rock for years.

I'm afraid I scratched some paint off the door as I was getting out of the car.

3 [I] If an animal scratches, it rubs something with its claws:

The dog's scratching at the door - he wants to be let in.

4 [T] to rub your skin with your nails:

He was scratching (at) his mosquito bites.

Hannah scratched her head thoughtfully.

- radiology /,reɪ.di'ɒl.ə.dʒi/
radiological /,reɪ.di'ɒl.dʒi.kəl/

- When bacteria penetrate the pulp...

penetrate /'pen.ɪ.treɪt/ verb

[I or T] to move into or through something:

Amazingly, the bullet did not penetrate his brain.

- definitive** /dɪ'fɪn.ɪ.tɪv/ adjective
not able to be questioned or improved; final, complete, or best:
a definitive judgment/ruling
There are no definitive answers/solutions to this problem.
The police have no definitive proof of her guilt.
He's written the definitive (= best and most complete) guide to Britain's Lake District.

- pulp chamber /'tʃeɪm.bər/

- irrigate** /'ɪr.ɪ.geɪt/ verb [T]
to supply land with water so that crops and plants will grow:
irrigated land/fields

irrigation /,ɪr.ɪ'geɪ.ʃən/ noun [U]

- Heloise and Eva's Presentation:**

- Today we are going to talk about root canal therapy, and more particularly, symptoms, complications and success rates.

- Could you explain (to us) what the symptoms are, please?
Could you describe the symptoms, please?
Sure / Certainly / Of course.
- First of all you have to know that an infected tooth is most of the time due to an infection of the dental pulp.
- The dental pulp is in the pulp chamber and **is surrounded by** the enamel and the dentin.
(= the enamel and the dentin **surround** the pulp.)
- There **are** different causes of ...
- Most of the time it is due to bacteria spreading through a deep cavity or through the apical foramen.

due to /dju:/ /du:./ adjective

because of:

A lot of her unhappiness is due to boredom.

Due to wet leaves on the line, this train will arrive an hour late.

- Other causes are/ include trauma or chronic aggressive forces on the teeth.

Another cause...

Other causes...

- When the pulp becomes infected or dies, root canal therapy is necessary / is indicated to save the tooth, which our friends are going to describe in detail in their presentation.
- Now, let me tell you about the different symptoms which may occur during an infection.
- You may realize that you have an infected tooth when it is sensitive to heat and cold, when it is painful during biting pressure, when you have severe throbbing pain, or when you have a bad taste in your mouth. But some patients don't feel any symptoms at all.
- However some patients go through the pain and don't visit the dentist. When the pain is unbearable those patients become emergency cases.
emergency-case patients.

→ How'ever

- Could you tell us about the complications?
- There are two kinds of complications. The first type is related to the patient himself and the second one is due to malpractice.

malpractice /,mæ'l'præk.tɪs/ noun [U] SPECIALIZED

failure to act correctly or legally when doing your job, often causing injury or loss:

They are accused of medical/financial/electoral malpractice.

- I am going to talk about the first one and Eva will explain the second one (to you).

explain something (to someone)

- Some patients have poor oral hygiene or poor dental health or a lack of motivation. All (of) these factors make the treatment harder for the dentist and result in a low success rate.
- The second type of complications is due to the dentist's malpractice. Malpractice happens much more than it should.
- In some patients malpractice goes unnoticed because it doesn't create any symptoms whereas in others / other cases it creates many complications.
- Let me give you some examples of malpractice.

Could you give me an example of the improvements you have mentioned?

- When a piece of instrument breaks off during the procedure and isn't taken out as we can see here in this molar, when the dentist forgets one of the roots, he doesn't fill the root, and the third complication when the filling material extends into the jaw...

a broken bit or a broken file

bit /bit/ noun [C]

the part of a tool used for cutting or drilling (= making holes)

- 95 per'cent of French dentists don't use operative fields, also called rubber dam frames, which prevent bacteria from entering the tooth.

prevent something from happening

- In theory there are three methods available to evaluate the success rate. They are clinical, radiological and histological methods.

success /sək'ses/

- In the clinical evaluation, the patient is questioned about any symptoms experienced and after that a clinical examination is carried out to look for the signs of disease. A lack of signs of disease is considered as success.

carry sth out phrasal verb [M]

to do or complete something, especially that you have said you would do or that you have been told to do:

Nigel is carrying out research on early Christian art.

- In the radio'logical evaluation, X-rays of the tooth are taken and viewed on the light box with magnification. They evaluate periodontal health, the quality of root fillings, and radio-opacities and areas of radiolucency.

Other things we talked about:

- Which group would like to begin?
- It's the same to us. / It doesn't make any difference.

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>