

Alternative To Root Canal

State-of-the-art procedures make use of microsurgical endodontic techniques, such as a dental operating microscope, micro instruments, ultrasonic preparation tips and calcium-silicate based filling materials. 84809b16cd

Apicoectomy A root end surgery, also known as apicoectomy (apico- + -ectomy), apicectomy (apic- + -ectomy), retrograde root canal treatment (cf. It is an example of a periradicular surgery. orthograde root canal treatment) or root-end filling, is an endodontic surgical procedure whereby a tooth's root tip is removed and a root end cavity is prepared and filled with a biocompatible material. orthograde root canal A root end surgery, also known as apicoectomy (apico- + -ectomy), apicectomy (apic- + -ectomy), retrograde root canal treatment (cf 84809b16cd

The radiographic features of periapical inflammatory lesions vary depending on the time course of the lesion. Because very early... 84809b16cd

Tooth resorption However, pathological root resorption occurs in the permanent or secondary dentition and sometimes in the primary dentition. is insult leading to inflammation (trauma, bacteria, tooth whitening, orthodontic movement, periodontal treatment) in the root canal/s or beside the external Resorption of the root of the tooth, or root resorption, is the progressive loss of dentin and cementum by the action of odontoclasts, a tooth-related osteoblast. Root resorption is a normal physiological process that occurs in the exfoliation of the primary

dentition 84809b16cd

In the film, root canal therapies are claimed to be associated with cancer, and it is suggested that pulling an infected tooth is a better approach. The film's trailer implies that root canals or infected teeth can lead to migraines, diabetes, lupus, fibromyalgia and heart disease. The film makes specific false claims of "97% of patients with breast cancer had a root canal on the same side as the cancer," and "the #1 cause of heart attack is root canal treated teeth," and that root canals result in inflammation leading to systemic disease. 84809b16cd Root canal anatomy consists of the pulp chamber and root canals. Both contain the dental pulp. The smaller branches, referred to as accessory canals, are most frequently found near the root end (apex), but may be encountered anywhere along the root length. The total number of root canals per tooth depends on the number of the tooth roots... 84809b16cd

Tooth fusion Alternatively, instead of cutting the Tooth fusion (also known as syndontia or double teeth) occurs when two separate tooth germs fuse to form one tooth. The fusion may be complete (involves crown and root) or partial (involves only the crown), depending on the stage of tooth development when the teeth started to fuse. two teeth have separate root systems, then they can be cut in half, however, root canal treatment may be needed. Tooth fusion is difficult to distinguish from tooth gemination, thus, both conditions are often referred to together as "double teeth" 84809b16cd

Root resorption most commonly occurs due to inflammation caused by pulp necrosis, trauma, periodontal treatment, orthodontic tooth movement and tooth whitening. Less common causes include pressure from malpositioned ectopic teeth, cysts, and tumors. 84809b16cd

Mineral trioxide aggregate apexification, repairing root perforations during root canal therapy,

and treating internal root resorption. MTA is used for creating apical plugs during apexification, repairing root perforations during root canal therapy, and treating internal root resorption. It can be used for root-end filling material and as pulp capping material. It can be used for root-end filling material Mineral trioxide aggregate (MTA) is an alkaline, cementitious dental repair material. It has better pulpotomy outcomes than calcium hydroxide or formocresol, and may be the best known material, as of 2018 data. For pulp capping, it has a success rate higher than calcium hydroxide, and indistinguishable from Biodentin 84809b16cd

== Causes == 84809b16cd

Periapical periodontitis It is a likely outcome of untreated dental caries (tooth decay), and in such cases it can be considered a sequela in the natural history of tooth decay, irreversible pulpitis and pulpal necrosis. Periapical periodontitis may develop into a periapical abscess, where a collection of pus forms at the end of the root, the consequence of spread of infection from the tooth pulp (odontogenic infection), or into a periapical cyst, where an epithelial lined, fluid-filled structure forms. periradicular surgery are treatment alternatives to save the tooth. Kvist, Thomas; Jonasson, Peter (2021). Retrograde Root Canal Treatment. Other causes can include occlusal trauma due to 'high spots' after restoration work, extrusion from the tooth of root filling material, or bacterial invasion and infection from the gums. Cham: Springer International Periapical periodontitis or apical periodontitis (AP) is an acute or chronic inflammatory lesion around the apex of a tooth root, most commonly caused by bacterial invasion of the pulp of the tooth 84809b16cd

The film follows the filmmaker's 10-year journey to solve his chronic fatigue and anxiety, starting with mainstream medicine but then winding through a range of alternative medicine

practices, and finally arriving at the conclusion that his old root canals were the source of his ailments. 84809b16cd == Structure == 84809b16cd Holistic dentistry can be traced to the research of Weston A. Price, who blamed tooth decay on modern Western diet habits such as consumption of white flour, pasteurized milk, and processed sugar, which he also linked to criminal behavior. Price's theories were expanded by Melvin E. Page and Hal Huggins, who promoted the pseudoscientific idea of "balancing body chemistry". 84809b16cd == Premise == 84809b16cd Originally, MTA was dark gray in color, but white versions have been on the market since 2002. Bismuth oxide, which was added as a radioopacifier (to make the filling stand out on X-rays), can discolour the teeth. Original versions were also hard for dentists to handle and had a long setting time, but otherwise had few drawbacks. Newer versions replace the... 84809b16cd

Root canal tooth), the main canal(s), and more intricate anatomical branches that may connect the root canals to each other or to the surface of the root. At the center A root canal is the naturally occurring anatomic space within the root of a tooth. It consists of the pulp chamber (within the coronal part of the tooth), the main canal(s), and more intricate anatomical branches that may connect the root canals to each other or to the surface of the root 84809b16cd

== Diagnosis == 84809b16cd

Root canal treatment It is generally done when the cavity is too big for a normal filling. Root canal treatment (also known as endodontic therapy, endodontic treatment, or root canal therapy) is a treatment sequence for the infected pulp of Root canal treatment (also known as endodontic therapy, endodontic treatment, or root canal therapy) is a treatment sequence for

the infected pulp of a tooth—an abscess—that is intended to result in the elimination of infection and the protection of the decontaminated tooth from future microbial invasion. Root canals, and their associated pulp chamber, are the physical hollows within a tooth that are naturally inhabited by nerve tissue, blood vessels and other cellular entities 84809b16cd

Although the holistic dental community is diverse in its practices and approaches, common threads include strong opposition to the use of amalgam in dental fillings, nonsurgical approaches to gum disease, and the belief that root canal treatments may endanger systemic health of the patient through the spread of trapped dental bacteria to the body. Many dentists who use these terms regard water fluoridation unfavorably. 84809b16cd The Holistic Dental Network defines the field as: "an approach to Dentistry that promotes... 84809b16cd In an apicoectomy, only the tip of the root is removed. This is in contrast to root resection, where an entire root is removed, and hemisection, where a root together with its overlying portion of the crown are separated from the rest of... 84809b16cd

Holistic dentistry strong opposition to the use of amalgam in dental fillings, nonsurgical approaches to gum disease, and the belief that root canal treatments may endanger Holistic dentistry, also called biological dentistry, biologic dentistry, alternative dentistry, unconventional dentistry, or biocompatible dentistry, is the equivalent of complementary and alternative medicine for dentistry. As such, it typically incorporates pseudoscientific beliefs and practices 84809b16cd

MTA, when mixed with water, forms a calcium silicate hydrate gel which contains calcium hydroxide. When it contacts the tooth pulp or dentin, its alkalinity promotes tissue regeneration. It does not resorb, and is biocompatible, forming a seal against the tooth

material that minimizes leakage. Endodontic therapy involves the removal of these structures, disinfection and the subsequent shaping, cleaning, and decontamination of the hollows with small files and irrigating solutions, and the obturation (filling) of the decontaminated canals. Filling of the cleaned and decontaminated canals is done with an inert filling such as gutta-percha and typically a zinc oxide eugenol-based cement. Epoxy resin is employed to bind gutta-percha in some root canal procedures. In the past, in the discredited Sargenti method, an antiseptic filling material containing paraformaldehyde like N2 was used. Endodontics includes both primary and secondary... == Diagnostic features == At the center of every tooth is a hollow area that houses soft tissues, such as the nerve, blood vessels, and connective tissue. This hollow area contains a relatively wide space in the coronal portion of the tooth called the pulp chamber. These canals run through the center of the roots, similar to the way graphite runs through a pencil. The pulp receives nutrition through the blood vessels, and sensory nerves carry signals back to the brain. In the case of irreversible damage to the pulp, root canal treatment can relieve associated dental pain. Etymologically, the name refers to inflammation (Latin, -itis) around (peri-) the root tip or apex (-apical) of the tooth (-odont-). Periradicular periodontitis is an alternative term. Double teeth can cause other dental problems such as crowding, ectopic eruption of adjacent teeth, gum issues, cavities, malocclusion, poor esthetics, and more. Treatment depends on whether the tooth is a primary or permanent tooth, the degree of fusion, and its functional & esthetic impact.

Pulpotomy During pulpotomy, the inflamed/diseased pulp tissue is removed from the coronal pulp chamber of the tooth, leaving healthy pulp tissue which is dressed with a long-term clinically successful medicament that maintains the survival of the pulp and promotes repair. There is another term also related to vital pulp therapy, apexogenesis. It is also recommended

to be the preferred pulpotomy agent in the future. indicate that pulpotomy can be a potential alternative to root canal therapy (RCT). After the coronal pulp chamber is filled, the tooth is restored with a filling material that seals. During caries removal, this results in a carious or mechanical pulp exposure from the cavity. There are various types of medicament placed above the vital pulp such as Buckley's Solution of formocresol, ferric sulfate, calcium hydroxide or mineral trioxide aggregate (MTA). Apexogenesis Pulpotomy is a minimally invasive procedure performed in children on a primary tooth with extensive caries but without evidence of root pathology. MTA is a more recent material used for pulpotomies with a high rate of success, better than formocresol or ferric sulfate. The minimally invasive, endodontic techniques of vital pulp therapy (VPT) are based on improved understanding of the capacity of pulp tissues to heal and regenerate plus the availability of advanced endodontic materials 84809b16cd

An apicoectomy is necessary when conventional root canal therapy has failed and a re-treatment was already unsuccessful or is not advised. Removal of the root tip is indicated to remove the entire apical delta ensuring no uncleaned missed anatomy. The only alternative may be extraction followed by prosthetic replacement with a denture, dental bridge or dental implant. 84809b16cd == History == 84809b16cd

Root Cause (film) The film has been denounced by dentists for making false and misleading claims. the conclusion that his old root canals were the source of his ailments. In the film, root canal therapies are claimed to be associated with cancer, and Root Cause is a documentary film produced by Frazer Bailey. The film makes claims regarding symptoms and illness that purportedly can originate from root canal treatment 84809b16cd

While resorption of bone is a normal physiological response to stimuli throughout the body, root resorption in permanent dentition and sometimes in the primary dentition is pathological. The root is protected internally (endodontium) by pre-dentin and externally on the root surface by cementum and the periodontal ligament. Chronic stimuli that damage these protective layers expose underlying dentin to the action of osteoclasts. 84809b16cd

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