

Recent Advances In Caries Diagnosis

Pulpotomy 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. 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. The minimally Pulpotomy is a minimally invasive procedure performed in children on a primary tooth with extensive caries but without evidence of root pathology. There are various types of medicament placed above the vital pulp such as Buckley. During caries removal, this results in a carious or mechanical pulp exposure from the cavity. Pulpotomy is a minimally invasive procedure performed in children on a primary tooth with extensive caries but without evidence of root pathology 0505d0da20

The term “craze lines” and "enamel infraction" are also used to describe minute incomplete cracks exclusive to the enamel surface. 0505d0da20

Enamel fracture "Application of Optical Coherence Tomography (OCT) for Diagnosis of Caries, Cracks, and Defects of Restorations". This can happen from trauma such as a fall where the teeth are impacted by a hard object causing a chip to occur. Current Oral Health Reports An enamel fracture is when the outermost layer of the tooth is cracked, without damaging the inner layers including the dentine or pulp. Junji (2015) 0505d0da20

A degree of dentin sensitivity is normal, but pain is not usually experienced in everyday activities like drinking a cooled drink. Therefore, although the terms dentin sensitivity and sensitive dentin are used interchangeably to refer to dental hypersensitivity, the latter term is the more accurate. 0505d0da20

Dentistry It consists of the study, diagnosis, prevention, management, and treatment of diseases, disorders, and conditions of the mouth, most commonly focused on dentition (the development and arrangement of teeth) as well as the oral mucosa. The practitioner is called a dentist. to prevent or treat the two most common oral diseases, which are dental caries (tooth decay) and periodontal disease (gum disease or pyorrhea). Dentistry may also encompass other aspects of the craniofacial complex including the temporomandibular joint. Common Dentistry, also known as dental medicine and oral medicine, is the branch of medicine focused on the teeth, gums, and mouth 0505d0da20

The... 0505d0da20

Intraoral scanner The scanner's light source is projected onto the scan items, such as whole dental arches, and a 3D model processed by the scanning software is then shown in real-time on a touch screen. involved in endodontic treatments Applications in Endodontics Diagnosis and Assessment: Creating detailed 3D models of teeth to assess fractures, caries, and An intraoral scanner is a handheld device that generates digital impression data of the oral cavity 0505d0da20

Involvement of the submandibular glands is also known as Küttner's tumor, named after Hermann Küttner (1870–1932), a German Oral and Maxillofacial Surgeon, who reported four cases of submandibular gland lesions for the first time in 1896. 0505d0da20 The EFP also investigates the socio-economic impact of periodontitis to guide strategies for tackling oral-health inequalities, and it is committed to a vision of responsible periodontology. 0505d0da20 Recent years have seen increased contributions in the application of bioarchaeological methods in investigating past populations in many areas around the world. Human osteological studies in the early 20th century were mostly descriptive and often overlooked the synthesis of biological, archaeological and historical narratives. It is only in the 1970s that bioarchaeology gained traction in concurrence with a change in the methodological approaches occurring in biological anthropology. In the Eastern Mediterranean these trends are exemplified in the seminal work on... 0505d0da20

European Federation of Periodontology 2023: Education in periodontology in Europe. 2024: Periodontal diagnosis: From advances in technologies to the 2018 classification The EFP (European Federation of Periodontology) is a global non-profit organisation with a European core that promotes periodontal science and practice, and awareness of oral health and gum disease. Its vision is “Better oral health for all”. peri-implant diseases 0505d0da20

Tooth decay The resulting cavities may be many different colors, from Tooth decay, also known as caries, is the breakdown of teeth due to acids produced by bacteria. Complications may include inflammation of the tissue around the tooth, tooth loss and infection or abscess formation. Tooth regeneration is an ongoing stem cell-based field of study that aims to find methods to reverse the effects of decay; current methods are based on easing symptoms. The resulting cavities may be many different colors, from yellow to black. Symptoms may include pain and difficulty eating. Tooth decay, also known as caries, is the breakdown of teeth due to acids produced by bacteria 0505d0da20

The history of dentistry is almost as ancient as the history of humanity and civilization, with the earliest evidence dating from 7000 BC to 5500 BC. Dentistry is thought to have been the first specialization in medicine which has gone on to develop its own accredited degree with its own specializations... 0505d0da20

Enamel infraction 12 (8): Enamel infraction, also known as craze lines, is a type of dental fracture that falls under the classification system based on the extent of tissue involvement and pulp exposure (Patnana and Kanchan, 2023). "Recent Advances in the Diagnosis of Enamel Cracks: A Narrative Review". , 2019). Clinically, affected teeth typically show a normal response to pulp vitality tests, without mobility or periapical tissue involvement, and no sensitivity to percussion. PMID 36360529. Diagnostics. Enamel infractions are diagnosed by using transillumination and should be distinguished from cracks caused by thermal changes. PMC 9690084. Dental fractures are categorized according to the affected tissue and whether the pulp is involved, with enamel infractions representing the least severe form, involving only microcracks contained within the enamel only without loss of tooth structure and are usually asymptomatic (Bonk, J. Zidane, Bassam (2022-08-22) 0505d0da20

Dentin hypersensitivity December 2012). 17 (S1): Dentin hypersensitivity (DH, DHS) is dental pain which is sharp in character and of short duration, arising from exposed dentin surfaces in response to stimuli, typically thermal, evaporative, tactile, osmotic, chemical or electrical; and which cannot be ascribed to any other dental disease. "The role of fluoride in the preventive management of dentin hypersensitivity and root caries". Clinical Oral Investigations 0505d0da20

The cause of cavities is acid from bacteria dissolving the hard tissues of the teeth (enamel, dentin, and cementum). The acid is produced by the bacteria when they break down food debris or sugar on the tooth surface. Simple sugars in food are these bacteria's primary energy source, and thus a... 0505d0da20

Chronic sclerosing sialadenitis described in an 11-year-old boy in Brazil in 2012. Given the difficulties of a definitive pre-operative diagnosis, the clinical entity of Küttner's tumor Chronic sclerosing sialadenitis is a chronic (long-lasting) inflammatory condition affecting the salivary gland. Relatively rare in occurrence, this condition is benign, but presents as hard, indurated and enlarged masses that are clinically indistinguishable from salivary gland neoplasms or tumors. It is now regarded as a manifestation of IgG4-related disease 0505d0da20

Founded in 1991, the EFP brings together 45 national scientific periodontal societies, representing more than 18,000 oral-health professionals and researchers across six continents. It leads the global conversation on periodontal science and clinical guidelines, working to embed periodontal health into mainstream healthcare as a vital part of general wellbeing. 0505d0da20

Near Eastern bioarchaeology AMTL occurred in 100% of preserved Near Eastern bioarchaeology covers the study of human skeletal remains from archaeological sites in Cyprus, Egypt, Levantine coast, Jordan, Turkey, Iran, Saudi Arabia, Qatar, Kuwait, Bahrain, United Arab Emirates, Oman, and Yemen. The dental caries frequency was 35. 5% and it seems that the caries onset in permanent molars began soon after eruption 0505d0da20

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