

Dynamic Aspects Of Dental Pulp Molecular Biology Pharmacology And Pathophysiology

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Dynamic Aspects Of Dental Pulp

One of the reasons the pulp is of such interest is that it not only provides the vitality to the teeth but also produces the dentine - both the primary and secondary, as well as reparative. The latter-type dentine is a result of the pulp's functions in response to disease as the former dentine is in response to health.

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Dynamic Aspects of Dental Pulp: Molecular biology ...

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Dynamic Aspects of Dental Pulp - Molecular biology ...

Dynamic Aspects of Dental Pulp: Molecular biology, pharmacology and pathophysiology Reizo Inoki , Teruo Kudo , Leif M. Olgart (auth.) This book presents a circumspetive overview and update of the present existing knowledge of the biology, chemistry and pathophysiology of the dental pulp.

Dynamic Aspects of Dental Pulp: Molecular biology ...

Dynamic Aspects of Dental Pulp: Molecular biology, pharmacology and pathophysiology % This book presents a circumspetive overview and update of the present existing knowledge of the biology, chemistry and pathophysiology of the dental pulp.

Dynamic Aspects of Dental Pulp: Molecular biology ...

Part 4 Biochemical aspects of the pulp-enzyme and matrix: enzymes of the glycolytic pathway - phosphofructokinase, pyruvate kinase and lactase dehydrogenase, N.Nakanishi et al; collagenase synthesis by odontoblast-like cells (RP cells) - preparation of monoclonal antibodies against RP cell collagenase and characterization of the enzyme, S ...

Dynamic aspects of dental pulp : molecular biology ...

These reactions involve dentin and pulp, both in the initiation of the processes and in their resolution. These responses of the dental pulp to irritation of dentin demonstrate the dynamic nature of the pulpo-dentin complex. Keywords Dentin, pulp, collagen, odontoblasts, nerves, pulpal blood flow, inflammation, dentin permeability.

Dynamics of the Pulpo-Dentin Complex - D.H. Pashley, 1996

Dental Pulp. Dental pulp is an unmineralized oral tissue composed of soft connective tissue, vascular, lymphatic and nervous elements that occupies the central pulp cavity of each tooth. Pulp has a soft, gelatinous consistency. Figure 1 (adjacent), indicates that by either weight or volume, the majority of pulp (75-80%) is water. Aside from the presence of pulp stones, found pathologically within the pulp cavity of aging teeth, there is no inorganic component in normal dental pulp.

Oral Histology: Dental Pulp Lecture

- Development of dental pulp begins at 8th week of embryonic life.
- As peripheral dental papilla cells transform into columnar shaped odontoblast, they develop cell processes.
- The odontoblasts then begin dentin formation. Development of the pulp

Pulp Morphology and Histology - PDWG

Inoki R, Kudo T, Olgart LM (Eds.), Dynamic aspects of dental pulp, Chapman & Hall, London (1990), pp. 349-362. Google Scholar. 68. Taylor PE, Byers MR An immunohistochemical study of the response of nerves containing calcitonin gene-related peptide to microabscess formation and healing in rat molars. Arch Oral Biol, 35 (1990), pp. 629-638.

Neural elements in dental pulp and dentin - ScienceDirect

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Dental Pulp - LinkedIn SlideShare

Brannstrom, M. (1968) Physiopathological aspects of dentinal and pulp responses to irritants, in Dentine and Pulp: their structure and function (ed. N. Symons), Thomson, Dundee, p. 231. Google Scholar

The cholinergic system and the dental pulp | SpringerLink

Dynamic Aspects of Dental Pulp: Molecular biology, pharmacology and pathophysiology. 2019-08-20. Ingle's Endodontics, 7th Edition. 2019-07-06. The Dental Pulp: Biology, Pathology, and Regenerative Therapies. 2019-06-25. The Principles of Endodontics, 2nd Edition. 2019-06-20.

Endodontics > Oasis Dental Library

The repair of dental pulp by direct capping with calcium hydroxide or by implantation of bioactive extracellular matrix (ECM) molecules implies a cascade of four steps: a moderate inflammation, the commitment of adult reserve stem cells, their proliferation and terminal differentiation. The link between the

Inflammatory and immunological aspects of dental pulp repair.

1. Author(s): Inoki,Reizō,1929-; Kudo,Teruo,1929-; Olgart,Leif,1938- Title(s): Dynamic aspects of dental pulp : molecular biology, pharmacology, and pathophysiology ...

9103334 - NLM Catalog Result

The pulp is the part in the center of a tooth made up of living connective tissue and cells called odontoblasts. The pulp is a part of the dentin-pulp complex (endodontium). The vitality of the dentin-pulp complex, both during health and after injury, depends on pulp cell activity and the signaling processes that regulate the cell's behavior.

Pulp (tooth) - Wikipedia

Inflammatory and immunological aspects of dental pulp repair The repair of dental pulp by direct capping with calcium hydroxide or by implantation of bioactive extracellular matrix (ECM) molecules implies a cascade of four steps: a moderate inflammation, the commitment of adult reserve stem cells, their proliferation and terminal differentiation.

Inflammatory and immunological aspects of dental pulp repair

The dental pulp has a relatively low interstitial compliance due to its enclosure between rigid dentin walls. Accordingly, even a modest increase in pulpal fluid volume will raise the tissue pressure, which may compress blood vessels, leading to ischemia and necrosis.

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