Periodontal Disease V 1 Immunological Factors

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Periodontal Disease V 1 Immunological

Periodontal Disease
Chapter 1 Periodontal Disease: Is This the Common Denominator? Few would dispute that the human body is an almost indescribably well-designed organism It is composed of many different tissues and organs that are carefully orchestrated with one another to allow a tremendous variety of complex func-tions

Destructive periodontal disease - Columbia University
Microbial Etiology of Periodontal Disease, Dr Lee 2 Dental plaque biofilm infection Ecological point of view Ecological community evolved for survival as a whole Complex community of more than 400 bacterial species Dynamic equilibrium between bacteria and a host defense Adopted survival strategies favoring growth in plaque “Selection” of “pathogenic” bacteria among …

The Role of the Immunology in Periodontal Disease - Update ...
periodontal disease1 Autoimmunity can be delimited as level, immunological understanding and better targeting of disease therapy based on novel pathogen composition in the approximate future more beneficial control of PD advancement may be on the purview

Periodontal, Microbiological and Immunological Clinical ...
Periodontal, Microbiological and Immunological Clinical Conditions in a 9-Year-Old Child with Localized Advanced [1] The disease is caused by an exacerbated immune response to microbial communities resident in the teeth, which extend into the subgingival region Usually, and for most people,

Nutritional intervention in patients with periodontal ...

Nutritional intervention in patients with periodontal disease: clinical, immunological and microbiological variables during 12 months Axel Jenzsch1*, Sigrun Eick2, Fausi Rassoul3, Regina Purschwitz1 and Holger Jentsch1 1Department of Conservative Dentistry and Periodontology, University of Leipzig, Liebigstraße 57, D-04103 Leipzig, Germany 2Department of Oral ...

The role of immune system in the development of ...

this severe inflammatory disease (1) (Fig 1) Therefore, there is general support for this concept of periodontal disease It is also well recognized that the presence of only pathogenic bacteria is insufficient to cause periodontitis Progression of this disease occurs due to a combination of factors, including the presence of periodontopathic

Possible evidence of systemic lupus erythematosus and ...

Conversely, periodontal disease is an infectious disease caused by microorganisms in the oral cavity, resulting in a chronic inflammatory process which continuously stimulates the immune response, thus causing damage to the periodontal tissues The expression of both TLR-2 and TLR-4 receptors are increased in both SLE and periodontal disease

ASSOCIATIONS BETWEEN ORAL BIOFILM, PERIODONTAL ...

In Study II , the aim was to evaluate the incidence of BC in subjects with periodontal disease and the characteristic tooth loss in a 16-year prospective investigation Participants diagnosed with periodontal disease and BC had significantly more missing molars when compared with subjects with periodontal disease but without BC The

Periodontal Disease, Infertility Treatment and In Vitro ...

periodontal tissues or a possible relationship between the maternal periodontal disease and the efficacy of the infertility treatment, which is defined by a successful ovarian stimulation and the development of multiple oocytes Maternal or Paternal Periodontitis and Infertility The term “infertility” is used to define the failure of a woman to

Salivary antioxidants and periodontal disease status

D V Sculley, fax +44 1604 791114, email DeanSculley@Northamptonacuk Periodontal disease is a common chronic adult condition The bacterium Porphyromonas gingivalis has been implicated in the aetiology of this disease, which causes destruction of the connective tissue and bone around the root area of the tooth It has been observed that

Non-inflammatory destructive periodontal disease: a ...

associated to periodontal disease susceptibility, as described previously5,6,9,15,47,48,55# ‘ ˇ C the genetic status of the patient could account for the differential clinical condition observed When ˝2ˇ/3 V|\} 0˙˚ 1 K " 1 ! ˇ the non-polymorphic CC genotype The present data also demonstrated that the patient carried the

CONTRIBUTIONS TO THE POSSIBLE COMMON PATHOGENIC ...

IV15 Conclusions IV2 IMMUNOLOGICAL STUDY ON THE GINGIVAL CREVICULAR FLUID NLRP3 INFLAMMASOME, CASPASE-1 AND INTERLEUKIN 18 LEVELS IN CHRONIC HEPATITIS C PATIENTS WITH/WITHOUT PERIODONTAL DISEASE IV11 Introduction IV12 Materials and method IV13 Results IV14 Discussion IV15 Conclusions CHAPTER V ...

Impact of Hashimoto’s Thyroiditis (Ht) On Periodontal ...

periodontal disease Similarly, we present a case of Hashimoto’s thyroiditis which altered the periodontal therapy Hashimoto’s thyroiditis is an

autoimmune disease seen in children and women A female patient diagnosed as chronic periodontitis was treated with periodontal flap surgical procedure with bone grafting as and where required

Prevention of inflammation-mediated bone loss in murine ...

the periodontal tissue including the gingiva, periodontal lig-ament, and alveolar bone, and it is considered the most pressing oral health concern today, affecting more than 78 million indi-viduals in the United States alone (1) Importantly, this disease affects not only tooth loss, but also may impact the incidence of

Effect of Periodontal Diseases on Pregnancy

women Severe periodontal disease was found in 722% of severely pre-eclamptic and 500% of mildly pre-eclamptic women After adjusting for potential confounders women with severe pre-eclampsia were 378 (177-1274) times and those with mild pre-eclampsia were 243 (113-819) times more likely to have severe periodontal disease than

Role of Genetics in Periodontal Diseases

risk for periodontal diseases is not uniform for all individuals In periodontitis, the host-activated inflammatory and immunological cascades, which result in the destruction of connective tissue and bone are under genetic control[1] Thus, it is now evident that there exists a …

OPT Dataset Introduction - CAUSEweb

with periodontal disease at baseline Diagnosis of periodontal disease was defined based on pocket depth, clinical attachment loss, and bleeding on probing: (1) At least 4 teeth with probing depth ≥ 4 mm and clinical attachment loss ≥ 2 mm, and (2) Bleeding on probing at ≥ 35% of all sites All 823 randomized participants

Research Article Evaluation of Alteration in Serum Lipid ...

with this disease, its chronic nature and local and systemic immunological responses of the host, it is reasonable to assume that periodontal infections affect the overall health of a patient and could be involved in the development of systemic diseases such as hyperlipoproteinemia and hypertriglyceridemia9

Oral Manifestation of Respiratory Disorder -A Review

Oral diseases such as dental caries, periodontal disease, tooth loss, oral mucosal lesions and oropharyngeal cancers, human immunodeficiency virus/acquired immunodeficiency syndrome (HIV/AIDS)-related oral disease and orodental trauma are major public health problems worldwide and poor oral health has a profound

Host defence mechanisms against bacterial aggression in ...

fectious diseases, the manifestation of a disease (Fig 1) depends on interaction between environmental, micro-biologic agent- and host-related factors Thus, specific environmental and genetic factors are likely to deter-mine individual susceptibility for periodontal disease, ie, for the tissue to be colonised by pathogenic microbi-