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Resistance and resilience to experimental gingivitis

A systematic scoping review

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Additional file 1

Author, year	Title	Reason for exclusion
Barker, 2015	Response of chronic gingivitis to hygiene therapy and EG. Clinical, microbiological and metabolomic changes.	No full text available
Bergstorm, 1986	The influence of cigarette smoking on the development of EG.	No full text available
Biesbrock, 2000	Relationship of surface epithelium concentrations of IL-1 alpha and IL-1 beta to clinical inflammation during EG.	No full text available
Brecx, 1988	Stereological observations on long-term EG in man	No full text available
Bostanci, 2013	Label-free quantitative proteomics reveals differentially regulated proteins in EG.	Split mouth
Condacci, 1982	Alpha 2-macroglobulin in sulci from healthy and inflamed human gingivae.	Split mouth
Danielsen, 1933	Serum immunoglobulin G antibodies to <i>Porphyromonas gingivalis</i> , <i>Prevotella intermedia</i> , <i>Fusobacterium nucleatum</i> and <i>Streptococcus sanguis</i> during EG in young adults.	No full text available
Domisch, 2015	Expression of antimicrobial peptides and interleukin-8 during early stages of inflammation: an EG study.	Split mouth
Eberhard, 2013	EG induces systemic inflammatory markers in young healthy individuals: a single-subject interventional study.	Split mouth
Fransson, 1999	Differences in the inflammatory response in young and old human subjects during the course of EG.	Split mouth
Gaumer, 1976	Indirect blastogenesis of peripheral blood leukocytes in EG.	No outcome of interest
Giannopoulou, 1992	Neutrophil elastase and its inhibitors in human gingival crevicular fluid during EG.	Split mouth
Glenwright, 1996	Chemiluminescent assay of alkaline phosphatase in human gingival crevicular fluid: investigations with an EG model and studies on the source of the enzyme within crevicular fluid.	Split mouth
Gonzales, 2001	Concentration of interleukin-1beta and neutrophil elastase activity in gingival crevicular fluid during EG.	Split mouth
Grant, 2010	Proteomic analysis of a noninvasive human model of acute inflammation and its resolution: the twenty-one day gingivitis model.	No outcome of interest
Henry, 1987	Relationships of serum opsonins and complement in human EG.	No outcome of interest
Hoerauf, 2015	Neutrophil extracellular trap formation in supragingival biofilms.	Split mouth
Holthuis, 1977	Interepithelial lymphocytes in EG in young and elderly individuals.	No outcome of interest
Johnson, 1997	EG in periodontitis-susceptible subjects.	No healthy control
Jonsson, 2011	Gingival tissue transcriptomes in EG.	Split mouth
Kinane, 1994	Acute-phase proteins in gingival crevicular fluid during	No full text available

	experimentally induced gingivitis.	
Kinane, 1991	Immunocytochemical characterization of cellular infiltrate, related endothelial changes and determination of GCF acute-phase proteins during human EG.	No full text available
Kistler, 2013	Bacterial community development in EG.	Split mouth
Kowashi, 1979	Increase of free collagenase and neutral protease activities in the gingival crevice during EG in man.	No full text available
Kowashi, 1980	Sulcular polymorphonuclear leucocytes and gingival exudate during EG in man.	Split mouth
Kolb-Bachofen, 2007	Comparison of EG with persistent gingivitis: differences in clinical parameters and cytokine concentrations.	No healthy control
Konradsson, 2007	Dental biofilm, gingivitis and interleukin-1 adjacent to approximal sites of a bonded ceramic.	No healthy control
Kowolik, 2001	Systemic neutrophil response resulting from dental plaque accumulation.	No outcome of interest
Kunimatsu, 1990	Granulocyte medullasin levels in gingival crevicular fluid from chronic adult periodontitis patients and EG subjects.	No outcome of interest
Kunimatsu, 1995	Identification and possible function of cathepsin G in gingival crevicular fluid from chronic adult periodontitis patients and from EG subjects.	No outcome of interest
Kunimatsu, 2990	Cathepsins B, H and L activities in gingival crevicular fluid from chronic adult periodontitis patients and EG subjects.	No outcome of interest
Lamster, 1985	Lactate dehydrogenase, beta-glucuronidase and arylsulfatase activity in gingival crevicular fluid associated with EG in man.	Split mouth
Lang, 1976	Lymphocyte response to T-cell mitogen during EG in humans.	No outcome of interest
Lee, 2015	Modulation of the host response by probiotic <i>Lactobacillus brevis</i> CD2 in EG.	No outcome of interest
Lehner, 1974	Sequential cell-mediated immune responses in EG in man.	No outcome of interest
Li, 2014	Evaluation of the antigingivitis effect of a chlorhexidine mouthwash with or without an antidiscoloration system compared to placebo during EG.	No full text available
Lie, 2001	Occurrence of <i>Prevotella intermedia</i> and <i>Prevotella nigrescens</i> in relation to gingivitis and gingival health.	No outcome of interest
Lie, 2001	Salivary cystatin activity and cystatin C in EG in non-smokers.	Double
Lie, 1995	Oral microbiota in subjects with a weak or strong response in EG.	Split mouth
Loesche, 1987	Bacteriology of human EG: effect of plaque and gingivitis score.	No outcome of interest

Matthews, 2013	Host-bacterial interactions during induction and resolution of EG in current smokers.	Split mouth
Mengel, 2009	Effect of age on gingival crevicular fluid concentrations of MIF and PGE2.	No outcome of interest
Michelet, 1991	Extracellular matrix and intermediate filaments in the first stages and repair of EG in man.	No full text available
Moore, 1982	Bacteriology of EG in children.	No outcome of interest
Moore, 1984	Bacteriology of EG in young adult humans.	No outcome of interest
Moore, 1987	Bacteriology of human gingivitis.	No full text available
Moughal, 1992	Langerhans cell dynamics in human gingiva during experimentally induced inflammation.	No full text available
Moughal, 1992	Endothelial cell leukocyte adhesion molecule-1 (ELAM-1) and intercellular adhesion molecule-1 (ICAM-1) expression in gingival tissue during health and experimentally-induced gingivitis.	No full text available
Nord, 1971	Enzyme activities in EG in man.	No full text available
Nylander, 1993	Expression of the endothelial leukocyte adhesion molecule-1 (ELAM-1) on endothelial cells in EG in humans.	No outcome of interest
Patters, 1989	Assessment of complement cleavage in gingival fluid during EG in man.	No outcome of interest
Patters, 1989	The lymphoproliferative response during human EG.	No full text available
Payne, 1975	Histopathologic features of the initial and early stages of EG in man.	No full text available
Persson, 1990	Relationship between levels of aspartate aminotransferase in gingival crevicular fluid and gingival inflammation.	No outcome of interest
Raber-Durlacher, 1993	EG during pregnancy and post-partum: immunohistochemical aspects.	Wrong design
Raber-Durlacher, 1994	EG during pregnancy and post-partum: clinical, endocrinological, and microbiological aspects.	Wrong population
Robertson, 1972	Collagenolytic activity in EG.	No full text available
Rudiger, 2002	Dental biofilms at healthy and inflamed gingival margins.	Split mouth
Salvi, 2012	Reversibility of experimental peri-implant mucositis compared with EG in humans.	Split mouth
Salvi, 2005	EG in type 1 diabetics: a controlled clinical and microbiological study.	No outcome of interest
Salvi, 2010	Pro-inflammatory biomarkers during EG in patients with type 1 diabetes mellitus: a proof-of-concept study.	No outcome of interest
Scapoli, 2005	Modulation of clinical expression of plaque-induced gingivitis: interleukin-1 gene cluster polymorphisms.	Split mouth
Scott, 2012	Mapping biological to clinical phenotypes during the development (21 days) and resolution (21 days) of EG.	Split mouth

Schenk, 1993	Levels of salivary IgA antibodies reactive with bacteria from dental plaque are associated with susceptibility to EG.	No outcome of interest
Seymour, 1983	Immunohistological analysis of EG in humans.	Split mouth
Seymour, 1988	EG in humans. A clinical and histologic investigation.	No outcome of interest
Slotwinska, 1998	T-cell interactions with extracellular matrix proteins in periodontal disease.	No outcome of interest
Syed, 1978	Bacteriology of human EG: effect of plaque age.	No outcome of interest
Thurre, 1984	Gingival sulcular leukocytes in periodontitis and in EG in humans.	Split mouth
Topoll, 1988	Phenotypic dynamics of macrophage subpopulations during human EG.	No outcome of interest
Tsalikis, 2002	Crevicular fluid levels of interleukin-1alpha and interleukin-1beta during EG in young and old adults.	No full text available
Tynekius-Bratthall, 1985	Fluctuations in crevicular and salivary anti- <i>A. viscosus</i> antibody levels in response to treatment of gingivitis.	No outcome of interest
Tzamouranis, 1977	Increase of extracellular cathepsin D activity in gingival washings during EG in man.	Wrong design
Van Dyke, 2005	Effect of topical cimetidine rinse on gingival crevicular neutrophil leukocyte function.	No real healthy control
Wahaidi, 2011	Endotoxemia and the host systemic response during EG.	No outcome of interest
Walsh, 1986	Oral mucosal Langerhans cells express DR and DQ antigens.	No outcome of interest
Wynne, 1986	In situ demonstration of natural killer (NK) cells in human gingival tissue.	No outcome of interest
Zee, 1996	Predominant cultivable supragingival plaque in Chinese "rapid" and "slow" plaque formers.	No outcome of interest
Zee, 1996	Predominant cultivable microflora of supragingival dental plaque in Chinese individuals.	No outcome of interest
Zhang, 2010	Interferon-gamma promoter hypomethylation and increased expression in chronic periodontitis.	Split mouth