

Supporting Information

Table S1. Search strategy

Plain text / natural language	Controlled vocabulary (MeSH)
Terms for target condition: periodontal disease	
Periodontal diseases* Parodontos* Pyorrhea Alveolaris	Periodontal disease
Furcation Defect	Furcation Defects
Gingival Diseases* Epuli* Gingivos*	Gingival Diseases
Gingival Hemorrhag*	Gingival Hemorrhage
Gingival Neoplas* Congenital Epuli*	Gingival Neoplasms
Gingival Overgrowt*	Gingival Overgrowth
Gingival Hypertroph*	Gingival Hypertrophy
Gingival Hyperplasi*	Gingival Hyperplasia
Gingival Fibromatos* Fibromatosis Gingivae	Fibromatosis, Gingival
Gingival Recessio* Gingival Atroph* Atrophy of Gingiva Gingiva Atroph*	Gingival Recession
Gingiviti* Gingival inflammation	Gingivitis
Vincent Infection Vincent's Infection Fusospirochloa Vincent's Stomatitis Phagedenic Gingivitis Vincent's Gingivitis Trench Mouth Vincent Angina Ulcerative Stomatitis	Gingivitis, Necrotizing Ulcerative
Gingival Pocke*	Gingival Pocket
Peri Implantiti* Peri-Implantiti* Periimplantiti*	Peri-Implantitis
Periapical	Periapical Diseases
Dental Granulom*	Periapical Granuloma
Periapical Absces* Apical Alveolar Absces* Dentoalveolar Absces*	Periapical Abscess
Periodontal Atrophies Atrophy of Periodontium Periodontium Atroph* Gingivo-Osseous Atroph*	Periodontal Atrophy
Periodontal Attachment Loss	Periodontal Attachment Loss
Gingival Recessio* Gingival Atroph* Atrophy of Gingiva Gingiva Atroph*	Gingival Recession

Plain text / natural language	Controlled vocabulary (MeSH)
Alveolar Bone Los* Alveolar Process Atroph* Alveolar Resorptio* Periodontal Bone Los* Periodontal Resorptio* Alveolar Bone Atroph*	Alveolar Bone Loss
Periodontal Cys* Dental Root Cys* Dentoalveolar Cys* Lateral Cys*	Periodontal Cyst
Radicular Cys* Periapical Cys* Apical Periodontal Cys*	Radicular Cyst
Periodontiti* Pericementiti*	Periodontitis
Aggressive Periodonti* Circumpubertal Periodontitis Prepubertal Periodontitis Early-Onset Periodontiti* Early Onset Periodontiti* Juvenile Periodontiti* Periodontos*	Aggressive Periodontitis
Chronic Periodontiti* Adult Periodontiti*	Chronic Periodontitis
Periapical Periodontiti* Apical Periodontiti* Acute Nonsuppurative Periodontiti* Periapical Absces* Apical Alveolar Absces* Apical Dentoalveolar Absces* Periapical Granulom* Dental Granulom*	Periapical Periodontitis
Periodontal Pocke*	Periodontal Pocket
Periodontal Absces*	Periodontal Abscess
Tooth Los*	Tooth Loss
Tooth Migration Tooth Drif*	Tooth Migration
Teeth Mesial Movement Mesial Migration of Teeth Teeth Mesial Migration Mesial Drift of Teeth Teeth Mesial Drift	Mesial Movement of Teeth
Tooth Mobilit*	Tooth Mobility
Periodontal status Periodontal Index Periodontal Indices Periodontal Indexes Community Periodontal Index of Treatment Needs CPITN Gingival Bleeding on Probing Gingival Index Gingival Indices	Periodontal Index
Periodontal evaluation	
Stimulated saliva	
1 or 2 or 3 or ~ or 134 or 135 or 136	
Terms for the type of oral sample analyzed: saliva	
Saliv*	Saliva
138 or 139	

Plain text / natural language	Controlled vocabulary (MeSH)
Terms for the index tests: salivary biomarkers	
Saliva Enzymes	
ALP alkaline phosphatase	Alkaline Phosphatase
ACP Acid Phosphatase Acid beta-Glycerophosphate Acid β -glycerophosphate	Acid Phosphatase
AST Aspartate Aminotransferase Aspartate Transaminase Glutamic-Oxaloacetic Transaminase Glutamic Oxaloacetic Transaminase L-Aspartate-2-Oxoglutarate Aminotransferase L Aspartate 2 Oxoglutarate Aminotransferase Glutamate-Aspartate Transaminase Glutamate Aspartate Transaminase SGOT Serum Glutamic-Oxaloacetic Transaminase Serum Glutamic Oxaloacetic Transaminase	Aspartate Aminotransferases
ALT Alanine Transaminase Glutamic-Alanine Transaminase Glutamic Alanine Transaminase Alanine-2-Oxoglutarate Aminotransferase Alanine 2 Oxoglutarate Aminotransferase ALAT Alanine Aminotransferase SGPT Glutamic-Pyruvic Transaminase Glutamic Pyruvic Transaminase Glutamate-Pyruvate Transaminase Glutamic-Pyruvic Transaminase	Alanine Transaminase
LDH L-Lactate Dehydrogenase A LDH-A LDHA L-Lactate Dehydrogenase B LDH-B LDHB L-Lactate Dehydrogenase C LDH-C LDHC L-Lactate Dehydrogenase Lactate Dehydrogenase	L-Lactate Dehydrogenase
CRE Creatinine	Creatinine
BUN Blood Urea Nitrogen	Blood Urea Nitrogen
UA Urea	Urea
F-Hb Free-hemoglobin	
Neopterin 2-Amino-6-(1,2,3-trihydroxypropyl)-4(3H)-pteridinone Monapterin	Neopterin

Plain text / natural language	Controlled vocabulary (MeSH)
MDA Malondialdehyde Propanedial Malonyldialdehyde Malonaldehyde Malonylaldehyde	Malondialdehyde
GSHPx Glutathione Peroxidase Liperoxidase	Glutathione Peroxidase
SOD Superoxide dismutase Erythrocuprein Hemocuprein	Superoxide Dismutase
MMP-8 MMP8 Matrix Metalloproteinase-8 Matrix Metalloproteinase 8 Neutrophil Collagenase Fibroblast Collagenase Collagenase-2 Collagenase2	Matrix Metalloproteinase 8
MMP-9 MMP9 Matrix Metalloproteinase-9 Matrix Metalloproteinase 9 92-kDa Type IV Collagenase 92 kDa Type IV Collagenase 92-kDa Gelatinase 92 kDa Gelatinase Gelatinase B	Matrix Metalloproteinase 9
TIMP-1 TIMP1 Tissue Inhibitor of Metalloproteinase-1 Tissue Inhibitor of Metalloproteinase 1	Tissue Inhibitor of Metalloproteinase-1
MPO Myeloperoxidase Peroxidase	Peroxidase
IL-1 β Interleukin-1beta Interleukin 1beta IL-1 beta Interleukin-1 beta Interleukin 1 beta Catabolin	Interleukin-1 beta
IL-6 Interleukin-6 IL6 B-Cell Stimulatory Factor-2 B-Cell Differentiation Factor-2 BSF-2 Hybridoma Growth Factor IFN-beta 2 Plasmacytoma Growth Factor Hepatocyte-Stimulating Factor MGI-2 Myeloid Differentiation-Inducing Protein B-Cell Differentiation Factor Interferon beta-2	Interleukin-6

Plain text / natural language	Controlled vocabulary (MeSH)
IL-8 IL8 Interleukin 8 Interleukin-8 Monocyte-Derived Neutrophil Chemotactic Factor Neutrophil Activation Factor Lymphocyte-Derived Neutrophil-Activating Peptide Monocyte-Derived Neutrophil-Activating Peptide Alveolar Macrophage Chemotactic Factor-I AMCF-I Anionic Neutrophil-Activating Peptide Chemokine CXCL8 Macrophage-Derived Chemotactic Factor Neutrophil Chemotactic Factor	Interleukin-8
TNF-a Tumor Necrosis Factor Blockers TNF Inhibitors TNF Blockers Tumor Necrosis Factor Blocker Tumor Necrosis Factor Antagonist Tumor Necrosis Factor Inhibitor TNF Antagonist TNF Blocker TNF Inhibitor Tumor Necrosis Factor Antagonists TNF Antagonists Tumor Necrosis Factor-a	Tumor Necrosis Factor Inhibitors
Lysozyme N-Acetylmuramide Glycanhydrolase	Muramidase
Leukocyte Elastase Neutrophil Elastase Polymorphonuclear Leukocyte Elastase Neutrophil Elastase PMN Elastase Granulocyte Elastase Lysosomal Elastase	Leukocyte Elastase
Lymphocyte Lymphoid Cell	Lymphocytes
Uric Acid Trioxopurine Urate	Uric Acid
8-iso PGF2α 8-isoprostaglandin F2a	Dinoprost
< Integration concepts of Saliva Enzymes> 141 or 142 or 143 or ~ or 318 or 319 or 320	
Immunoglobulin (Ig)	
Immunoglobulin A IgA	Immunoglobulin A
Immunoglobulin D IgD IgD1 IgD2	Immunoglobulin D
Immunoglobulin E IgE	Immunoglobulin E
Immunoglobulin G IgG	Immunoglobulin G
Immunoglobulin M IgM	Immunoglobulin M
< Integration concepts of immunoglobulin> 322 or 323 or 324 or ~ 336 or 337 or 338	

Plain text / natural language	Controlled vocabulary (MeSH)
Hormones	
Cotinine Scotine	Cotinine
Cortisol Hydrocortisone	Hydrocortisone
<Integration concepts of terms for hormones> 340 or 341 or 342 or 343 or 344 or 345	
<Integration concepts of terms for the index tests> 321 or 339 or 346	
Terms for target condition AND Terms for the type of oral sample analyzed AND Terms for the index tests: salivary biomarkers 137 AND 140 AND 347	
348 NOT ("review"[Publication Type] OR "review literature as topic"[MeSH Terms])	