



PERIODONTITIS: DIAGNOSIS

Mandibular bone density/fractal analyses as potential diagnostic indicators for osteoporosis and periodontitis in postmenopausal women [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Oral Surg Oral Med Oral Pathol Oral Radiol 2026. Jun 11
Diagnosing and treating periodontitis and multimorbidity altogether: the case example of the physical exercise hormone irisin	J Periodont Res 2026. 08 Mar
aMMP-8 self-testing and self-administered questionnaires for periodontitis screening: A diagnostic trial in a Chinese population	J Periodontol 2026; 97(6): 1300-1316
Automated periodontitis diagnosis and staging using an end-to-end deep learning model on panoramic dental radiographs	Oral Radiol 2026; 42(3): 801-809
Defensin-4 as a proposed diagnostic marker for gingivitis and periodontitis	J Oral Sci 2026; 68(1): 35-39
Oral-rinse-sourced microbiota in oral health and diseases in a representative US adult population: Implications for diagnostics	J Clin Periodontol 2026; 53(5): 760-773
Self-reported periodontitis: A multiethnic community-based validation study [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2026; 165: 106294
Association between periodontitis severity and exhaled hydrogen sulfide measured using LTCC-GASSET device in healthy Thai patients [Accessible from the Wiley link on this page]	J Periodont 2026; 97(3): 591-604
Machine learning-based transcriptomic diagnosis of periodontitis	Int Dent J 2026; 76(1): 104028
Deep learning photo processing for periodontitis screening	J Dent Res 2026; 105(2): 226-235
Diagnostic accuracy of aMMP-8 levels in oral biofluids for monitoring periodontitis in patients with metabolic syndrome	Clin Oral Investig 2025; 29(11): 500
Clinical features associated with periodontal case misclassification by an active matrix metalloproteinase-8 point-of-care oral rinse test	J Clin Perio 2025; 52(9): 1276-1287
Validity of a self-reported questionnaire for periodontal status in a Thai population	J Perio 2025; 96(12): 1413-1421
Accuracy in diagnosing periodontitis using the AAP/EFP 2017 classification	Int Dent J 2025; 75(6): 103907
Performance of self-reported periodontitis questionnaire administered by community health workers (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Comm Dent Health 2025; 42(4): 112-119
Metabolomic profiles of oral rinse samples to distinguish severe periodontitis patients from non-periodontitis controls	J Periodont Res 2025; 60(8): 762-774
Rapid detection of Lys-gingipain using fluorogenic peptide substrate for diagnosis of periodontitis	J Dent Sci 2025; 20(2): 802-810
Diagnostic accuracy of self-reported questionnaires for detecting periodontitis across multiple cultures and geographic locations: A systematic review and meta-analysis	J Clin Periodontol 2025; Aug 08



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APD-FFNet: A novel explainable deep feature fusion network for automated periodontitis diagnosis on dental panoramic radiography	DMFR 2025; May 09
TREM-1 pathway biomarkers for classification of periodontal diseases and monitoring of treatment response in Grade B and C periodontitis	J Clin Periodontol 2025; 52(9):1288-1297
High-frequency ultrasound for detecting periodontal inflammation: A preclinical diagnostic accuracy study	J Periodont Res 2025; 60(7): 699-709
Salivary proteomics for detecting novel biomarkers of periodontitis: A systematic review	J Periodont Res 2025; 60(7): 633-655
Metabolomics analysis as a tool in periodontitis diagnosis: A systematic review	Clin Exp Dent Res 2025; 11(1): e70095
Artificial intelligence models for periodontitis classification: A systematic review	J Dent 2025; 156: 105690
Methods for clinical assessment in periodontal diagnostics: A systematic review [Accessible from the Wiley link on this page]	J Clin Periodontol 2025; 52 (Suppl. 29): 58-73
Accuracy of ionizing-radiation-based and non-ionizing imaging assessments for the diagnosis of periodontitis: systematic review and meta-analysis	J Clin Periodontol 2025; 52 (Suppl. 29): 74-124
Estimating periodontal stability using computer vision [can be accessed on DOSS free by logging in on this page]	J Dent Res 2025; 104(7): 725-733
Diagnostic accuracy of a point-of-care aMMP-8 test for discriminating periodontal health status in adults: validation trials and updated meta-analysis	J Clin Periodontol 2025; 52(4): 510-529
Identification of periodontal disease diagnostic markers via data cross-validation	Int Dent J 2025; 75(3): 1936-1950
Observational prospective study to determine the association and diagnostic utility of salivary nitrite levels in periodontitis [can be accessed on DOSS free by logging in on this page]	Quintessence Int 2025; 56(2): 100-107
Detection of periodontal bone loss and periodontitis from 2D dental radiographs via machine learning and deep learning: systematic review employing APPRAISE-AI and meta-analysis	DMFR 2025; 54(2): 89-108
In vivo periodontal ultrasound imaging via a hockey-stick transducer and comparison to periodontal probing: a proof-of-concept study	Clin Oral Investig 2025; 29: 275
Diagnostic accuracy of novel protein biomarkers in saliva to detect periodontitis using untargeted 'SWATH' mass spectrometry	J Clin Periodontol 2025; 52(2): 199-214
Deep learning method to automatically diagnose periodontal bone loss and periodontitis stage in dental panoramic radiograph [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2024; 150: 105373



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Diagnostic accuracy of salivary active matrix metalloproteinase (aMMP)-8 point-of-care test for detecting periodontitis in adults: A systematic review and meta-analysis	J Clin Periodontol 2024; 51(8): 1093-1108
Conventional diagnostic criteria for periodontal diseases (plaque-induced gingivitis and periodontitis)	Perio 2000 2024; online 3 Jun doi.org/10.1111/prd.12579
Plasmon resonance biosensor for interleukin-1beta point-of-care determination: A tool for early periodontitis diagnosis	iScience 2024; 27(1): 108741
Accuracy of periodontitis diagnosis obtained using multiple molecular biomarkers in oral fluids: A systematic review and meta-analysis	J Clin Periodontol 2023; 50(11): 1420-1443
Identification of biomarkers related to prognosis and diagnosis of periodontitis by bioinformatics based on public database [Accessible from the Wiley link on this page]	Oral Diseases 2023; Sep 28 [Early view]
Accuracy of clinical and radiographic recording protocols for diagnosing periodontitis [Accessible from the Wiley link on this page]	Oral Diseases 2022; 29(7): 2854-2864
Application of deep machine learning for the radiographic diagnosis of periodontitis [can be accessed on DOSS free by logging in on this page]	Clin Oral Investig 2022; 26(11): 6629-6637
The role of bone-specific biomarkers in chronic periodontitis diagnosis and treatment outcomes - a systematic review [Log in to the BDA home page and follow the link to the BDJ and then EBD to access]	EBD 2022; Mar 16 [Early view]
Artificial intelligence for caries and periapical periodontitis detection [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Dent 2022; (122): 104107
Epigenetics in susceptibility, progression, and diagnosis of periodontitis	Jpn Dent Sci Rev 2022; 58: 183-192
The emerging role of small extracellular vesicles in saliva and gingival crevicular fluid as diagnostics for periodontitis	J Periodont Res 2022; 57(1): 219-231
External validation of a rapid, non-invasive tool for periodontitis screening in a medical care setting	Clin Oral Invest 2021; 25 (12): 6661-9
Evaluation of salivary biomarkers for the diagnosis of periodontitis	BMC Oral Health 2021; 21: 266
The staging and grading system in defining periodontitis cases: consistency and accuracy amongst periodontal experts, general dentists and undergraduate students [Accessible from the Wiley link on this page]	J Clin Perio 2021; 48 (2): 205-15
Discrepancies in periodontitis classification among dental practitioners with different educational backgrounds	BMC Oral Health 2021; (21): 39
Do differences in cultivable subgingival species exist between different periodontitis stages and grades?	Oral Health Prev Dent 2021; 19(1): 1-6



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Periodontitis phenotypes and clinical response patterns to non-surgical periodontal therapy: reflections on the new periodontitis classification [Accessible from the Wiley link on this page]	European Journal of Oral Sciences 2020; 128(1): 55-65
Posterior bite collapse and diagnostic grading for periodontitis [can be accessed on DOSS free by logging in on this page]	Int J Periodont Restor Dent 2021; 41(1): 61-69
Do patients with aggressive and chronic periodontitis exhibit specific differences in the subgingival microbial composition? [Accessible from the Wiley link on this page]	J Periodont 2020; 91(11): 1503-1520
Differential immune cell infiltrations between healthy periodontal and chronic periodontitis tissues	BMC Oral Health 2020; 20(1): 293
Azurocidin in gingival crevicular fluid as a potential biomarker of chronic periodontitis [can be accessed on DOSS free by logging in on this page]	J Perio Res 2020; 55(2): 209-214
Periodontal diagnosis in the context of the BSP implementation plan for the 2017 classification system of periodontal diseases and conditions: presentation of a patient with severe periodontitis following successful periodontal therapy and supportive periodontal treatment [Log in to the BDA home page and follow the link to the BDJ to access]	Br Dent J 2019; 227 (6): 411-413
Oxidative stress-related biomarkers in saliva and gingival crevicular fluid associated with chronic periodontitis: a systematic review and meta-analysis [Accessible from the Wiley link on this page]	J Clin Periodontol 2019; 46(6): 608-622
Definition of aggressive periodontitis in periodontal research. A systematic review [Accessible from the Wiley link on this page]	J Clin Periodontol 2018; (45): 278-284
Diagnosis of aggressive periodontitis: a dilemma? [can be accessed on DOSS free by logging in on this page]	Quintessence Int 2018; 49 (3): 173-180
Assessing the progression of chronic periodontitis using subgingival pathogen levels: a 24-month prospective multicenter cohort study	BMC Oral Health 2017; (17): 46
Differentiation of chronic and aggressive periodontitis by FTIR spectroscopy [can be accessed on DOSS free by logging in on this page]	J Dent Res 2016; 95(13): 1472-1478
Diagnostic accuracy of cone-beam computed tomography and conventional radiography on apical periodontitis: a systematic review and meta-analysis [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Endod 2016; 42(3): 356-364
Gingival crevicular fluid as a source of biomarkers for periodontitis [Accessible from the Wiley link on this page]	Periodontology 2000, 2016; 70(1): 53-64
Comparing clinical attachment level and pocket depth for predicting periodontal disease progression in healthy sites of patients with chronic periodontitis using multi-state Markov models	J Clin Periodontol 2014; 41: 837-845
Clinical and microbiological characterization of localized aggressive periodontitis: a cohort study	Aust Dent J 2014 <u>59</u> 165-171



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Aggressive periodontitis: case definition and diagnostic criteria [Accessible from the Wiley link on this page]	Periodontol 2000 2014 <u>65</u> (1) 13-26
Comparison of neutrophil functions in aggressive and chronic periodontitis [Accessible from the Wiley link on this page]	Periodontol 2000 (53) 2010: 124-137
Histopathological features of chronic and aggressive periodontitis [Accessible from the Wiley link on this page]	Periodontol 2000 53 (1) 2010: 45-54
Comparison of the microbiological features of chronic and aggressive periodontitis [Accessible from the Wiley link on this page]	Periodontol 2000 53 (1) 2010: 70-88
Comparative biology of chronic and aggressive periodontitis vs. Peri-implantitis [Accessible from the Wiley link on this page]	Periodontol 2000 53 (1) 2010: 167-181
Comparison of the clinical features of chronic and aggressive periodontitis [Accessible from the Wiley link on this page]	Periodontol 2000 53 (1) 2010: 12-27