Supplementary Table S2. Articles excluded after full-text evaluation, with reasons (n = 57)

Article excluded	Reason[a]
Alazmi SO, Almutairi FJ, Alresheedi BA. Comparison of peri-implant clinicoradiographic parameters among non-smokers and individuals using electronic nicotine delivery systems at 8 years of follow-up. Oral Health Prev Dent. 2021 Sep 30;19:511-16.	1
Albandar JM, Abbas DK, Waerhaug M, Gjermo P. Comparison between standardized periapical and bitewing radiographs in assessing alveolar bone loss. Community Dent Oral Epidemiol. 1985 Aug;13(4):222-25.	1
Alberti A, Morandi B, Frascolino C, Cavalli N, Francetti L, Corbella S. The morphology of peri-implantitis bone defects: a retrospective study on periapical radiographs. Int J Dent. 2024 Apr 30;2024:4324114.	1
Alharthi SS, BinShabaib MS, Ahmed HB, Mehmood A, Khan J, Javed F. Comparison of peri-implant clinical and radiographic inflammatory parameters among cigarette and waterpipe (narghile) smokers and never-smokers. J Periodontol. 2018 Feb;89(2):213-18.	2
Bishop K, Dummer PM, Kingdom A, Newcombe RG, Addy M. Radiographic alveolar bone loss from posterintraoral radiographs teeth in young adults over a 4-year period. J Clin Periodontol. 1995 Nov;22(11):835-41.	3
Brägger U, Hugel-Pisoni C, Bürgin W, Buser D, Lang NP. Correlations between radiographic, clinical and mobility parameters after loading of oral implants with fixed partial dentures. A 2-year longitudinal study. Clin Oral Implants Res. 1996 Sep;7(3):230-39.	1
Chan M, Dadul T, Langlais R, Russell D, Ahmad M. Accuracy of extraoral bite-wing radiography in detecting proximal caries and crestal bone loss. J Am Dent Assoc. 2018 Jan;149(1):51-58.	3
Corpas Ldos S, Jacobs R, Quirynen M, Huang Y, Naert I, Duyck J. Peri-implant bone tissue assessment by comparing the outcome of intra-oral radiograph and cone beam computed tomography analyses to the histological standard. Clin Oral Implants Res. 2011 May;22(5):492-99.	4
de Faria Vasconcelos K, Evangelista KM, Rodrigues CD, Estrela C, de Sousa TO, Silva MA. Detection of periodontal bone loss using cone beam CT and intraoral radiography. Dentomaxillofac Radiol. 2012 Jan;41(1):64-69.	1
de Paula-Silva FW, Wu MK, Leonardo MR, da Silva LA, Wesselink PR. Accuracy of periapical radiography and cone-beam computed tomography scans in diagnosing apical periodontitis using histopathological findings as a gold standard. J Endod. 2009 Jul;35(7):1009-1012.	4
Duinkerke AS, Van de Poel AC, Purdell-Lewis DJ, Doesburg WH. Estimation of alveolar crest height using routine periapical dental radiographs. Oral Surg Oral Med Oral Pathol. 1986 Nov;62(5):603-606.	2
French D, Grandin HM, Ofec R. Retrospective cohort study of 4,591 dental implants: Analysis of risk indicators for bone loss and prevalence of peri-implant mucositis and peri-implantitis. J Periodontol. 2019 Jul;90(7):691-700.	1
Fukuda CT, Carneiro SR, Alves VT, Pustiglioni FE, De Micheli G. Radiographic alveolar bone loss in patients undergoing periodontal maintenance. Bull Tokyo Dent Coll. 2008 Aug;49(3):99-106.	3
Furkart AJ, Dove SB, McDavid WD, Nummikoski P, Matteson S. Direct digital radiography for the detection of periodontal bone lesions. Oral Surg Oral Med Oral Pathol. 1992 Nov;74(5):652-60.	2
Galal A, Manson-Hing L, Jamison H. A comparison of combinations of clinical and radiographic examinations in evaluation of a dental clinic population. Oral Surg Oral Med Oral Pathol. 1985 Nov;60(5):553-61.	5
Green PT, Mol A, Moretti AJ, Tyndall DA, Kohltfarber HB. Comparing the diagnostic efficacy of intraoral radiography and cone beam computed tomography volume registration in the detection of mandibular alveolar bone defects. Oral Surg Oral Med Oral Pathol Oral Radiol. 2019 Aug;128(2):176-85.	2
Griffiths GS, Brägger U, Fourmousis I, Sterne JA. Use of an internal standard in subtraction radiography to assess initial periodontal bone changes. Dentomaxillofac Radiol. 1996 Apr;25(2):76-81.	2
Gröndahl K, Sundén S, Gröndahl HG. Inter- and intraobserver variability in radiographic bone level assessment at Brånemark fixtures. Clin Oral Implants Res. 1998 Aug;9(4):243-50.	1
Hausmann E, Allen K, Clerehugh V. What alveolar crest level on a bite-wing radiograph represents bone loss? J Periodontol. 1991 Sep;62(9):570-72.	2

Continued...

Article excluded	Reason[a]
Hong RY, Kwon S, Steffensen B, Jain S, Levi PA Jr. Diagnosing periodontal and dental indicators with horizontal and vertical bitewing radiographs. J Dent Educ. 2020 May;84(5):552-58.	5
Hou GL, Hung CC, Yang YH, Chen YC, Tsai CC, Shieh TY. Periodontal bone loss in Chinese subjects with untreated early-onset and adult periodontitis: a cross-sectional study using digital scanning radiographic image analysis. Kaohsiung J Med Sci. 2002 Oct;18(10):500-507.	1
Jenkins WM, Brocklebank LM, Winning SM, Wylupek M, Donaldson A, Strang RM. A comparison of two radiographic assessment protocols for patients with periodontal disease. Br Dent J. 2005 May 14;198(9):565-69; discussion 557; quiz 586.	5
Joly JC, Palioto DB, de Lima AF, Mota LF, Caffesse R. Clinical and radiographic evaluation of periodontal intrabony defects treated with guided tissue regeneration. A pilot study. J Periodontol. 2002 Apr;73(4):353-59	1
Kattimani VS, Bajantai NV, Sriram SK, Sriram RR, Rao VK, Desai PD. Observer strategy and radiographic classification of healing after grafting of cystic defects in maxilla: a radiological appraisal. J Contemp Dent Pract. 2013 Mar 1;14(2):227-32.	3
Khocht A, Janal M, Harasty L, Chang KM. Comparison of direct digital and conventional intraoral radiographs in detecting alveolar bone loss. J Am Dent Assoc. 2003 Nov;134(11):1468-1475.	1
Kim DM, Badovinac RL, Lorenz RL, Fiorellini JP, Weber HP. A 10-year prospective clinical and radiographic study of one-stage dental implants. Clin Oral Implants Res. 2008 Mar;19(3):254-58.	1
Kim TS, Obst C, Zehaczek S, Geenen C. Detection of bone loss with different X-ray techniques in periodontal patients. J Periodontol. 2008 Jul;79(7):1141-1149.	1
Komšić S, Plančak D, Kašaj A, Puhar I. A comparison of clinical and radiological parameters in the evaluation of molar furcation involvement in periodontitis. Acta Stomatol Croat. 2019 Dec;53(4):326-36.	5
Korkmaz MZ, Altin A, Günaçar DN, Köse TE. Comparison of trabecular bone structure in individuals with healthy periodontium and stage III/IV, grade C periodontitis by fractal analysis. Oral Surg Oral Med Oral Pathol Oral Radiol. 2023 Mar;135(3):427-32.	5
Lam J, Yeung AWK, Acharya A, Fok C, Fok M, Pelekos G. Comparison between conventional modality versus cone-beam computer tomography on the assessment of vertical furcation in molars. Diagnostics. 2023;13(1):106.	3
Latcham NL, Powell RN, Jago JD, Seymour GJ, Aitken JF. A radiographic study of chronic periodontitis in 15 year old Queensland children. J Clin Periodontol. 1983 Jan;10(1):37-45.	3
Mahasneh SA, Goodwin M, Pretty I, Cunliffe J. The use of radiographs to assess the impact of the distance between the contact area and the crest of the bone to predict the presence or absence of interdental papilla: an in vivo study. Br Dent J. 2023 Aug 21.	2
Mailoa J, Arnett M, Chan HL, George FM, Kaigler D, Wang HL. The association between buccal mucosa thickness and peri-implant bone loss and attachment loss: a cross-sectional study. Implant Dent. 2018 Oct;27(5):575-81.	1
Mengel R, von Rosen CS, Mogk M, Thöne-Mühling M. Correlation between crestal bone loss and PPD at teeth and implants: a 5- to 20-year long-term cohort study in patients with treated periodontal disease. Quintessence Int. 2023 Sep 19;54(8):612-20.	1
Merchant AT, Pitiphat W, Parker J, Joshipura K, Kellerman M, Douglass CW. Can nonstandardized bitewing radiographs be used to assess the presence of alveolar bone loss in epidemiologic studies? Community Dent Oral Epidemiol. 2004 Aug;32(4):271-76.	5
Natto ZS, Olwi A, Abduljawad F. A comparison of the horizontal and vertical bitewing images in detecting approximal caries and interdental bone loss in posterintraoral radiographs teeth: a diagnostic accuracy randomized cross over clinical trial. J Dent Sci. 2023 Apr;18(2):645-51.	5
Nieri M, Muzzi L, Cattabriga M, Rotundo R, Cairo F, Pini Prato GP. The prognostic value of several periodontal factors measured as radiographic bone level variation: a 10-year retrospective multilevel analysis of treated and maintained periodontal patients. J Periodontol. 2002 Dec;73(12):1485-1493.	1
Okano T, Mera T, Ohki M, Ishikawa I, Yamada N. Digital subtraction of radiograph in evaluating alveolar bone changes after initial periodontal therapy. Oral Surg Oral Med Oral Pathol. 1990 Feb;69(2):258-62.	1
Papapanou PN, Lindhe J. Preservation of probing attachment and alveolar bone levels in 2 random population samples. J Clin Periodontol. 1992 Sep;19(8):583-88.	2
Papapanou PN, Wennström JL, Johnsson T. Evaluation of a radiographic partial recording system assessing the extent and severity of periodontal destruction. Community Dent Oral Epidemiol. 1991 Dec;19(6):318-20.	1

Continued...

Article excluded	Reason[a]
Pecoraro M, Azadivatan-Ie N, Janal M, Khocht A. Comparison of observer reliability in assessing alveolar bone height on direct digital and conventional radiographs. Dentomaxillofac Radiol. 2005 Sep;34(5):279-84.	1
Persson RE, Tzannetou S, Feloutzis AG, Brägger U, Persson GR, Lang NP. Comparison between panoramic and intra-oral radiographs for the assessment of alveolar bone levels in a periodontal maintenance population. J Clin Periodontol. 2003 Sep;30(9):833-39.	1
Pitiphat W, Crohin C, Williams P, Merchant AT, Douglass CW, Colditz GA, Joshipura KJ. Use of preexisting radiographs for assessing periodontal disease in epidemiologic studies. J Public Health Dent. 2004 Fall;64(4):223-30.	3
Ricci G, Aimetti M, Stablum W, Guasti A. Crestal bone resorption 5 years after implant loading: clinical and radiologic results with a 2-stage implant system. Int J Oral Maxillofac Implants. 2004 Jul-Aug;19(4):597-602.	1
Rise J, Albandar JM. Pattern of alveolar bone loss and reliability of measurements of the radiographic technique. Acta Odontol Scand. 1988 Aug;46(4):227-32.	1
Rohlin M, Akesson L, Hakansson J, Hakansson H, Nasstrom K. Comparison between panoramic and periapical radiography in the diagnosis of periodontal bone loss. Dentomaxillofac Radiol. 1989 May;18(2):72-76.	1
Rohlin M, Akesson L, Hakansson J, Hakansson H, Nasstrom K. Comparison between panoramic and periapical radiography in the diagnosis of periodontal bone loss. Dentomaxillofac Radiol. 1989 May;18(2):72-76.	2
Sakka S, Al-ani Z, Kasioumis T, Worthington H, Coulthard P. Inter-examiner and intra-examiner reliability of the measurement of marginal bone loss around oral implants. Implant Dent. 2005 Dec;14(4):386-88.	2
Takeshita WM, Vessoni Iwaki LC, Da Silva MC, Tonin RH. Evaluation of diagnostic accuracy of conventional and digital periapical radiography, panoramic radiography, and cone-beam computed tomography in the assessment of alveolar bone loss. Contemp Clin Dent. 2014 Jul;5(3):318-23.	3
Tammisalo T, Luostarinen T, Rosberg J, Vähätalo K, Tammisalo EH. A comparison of detailed zonography with periapical radiography for the detection of periapical lesions. Dentomaxillofac Radiol. 1995 May;24(2):114-20.	5
Tammisalo T, Luostarinen T, Vähätalo K, Neva M. Detailed tomography of periapical and periodontal lesions. Diagnostic accuracy compared with periapical radiography. Dentomaxillofac Radiol. 1996 Apr;25(2):89-96.	1
Theilade J. An evaluation of the reliability of radiographs in the measurement of bone loss in periodontal disease. Univ Toronto Undergrad Dent J. 1965 Dec-1966 Jan;2:19-27.	2
Tokajuk G, Pawińska M, Kedra BA. The clinical and radiological assessment of periodontal bone loss treatment using Emdogain. Adv Med Sci. 2006;51 Suppl 1:227-29.	1
Windisch P, Sculean A, Klein F, Tóth V, Gera I, Reich E, Eickholz P. Comparison of clinical, radiographic, and histometric measurements following treatment with guided tissue regeneration or enamel matrix proteins in human periodontal defects. J Periodontol. 2002 Apr;73(4):409-17.	1
Wouters FR, Salonen LE, Helldén LB, Frithiof L. Prevalence of interproximal periodontal intrabony defects in an adult population in Sweden. A radiographic study. J Clin Periodontol. 1989 Mar;16(3):144-49.	2
Zhang L, Geraets W, Zhou Y, Wu W, Wismeijer D. A new classification of peri-implant bone morphology: a radiographic study of patients with lower implant-supported mandibular overdentures. Clin Oral Implants Res. 2014 Aug;25(8):905-909.	1
Ziebolz D, Szabadi I, Rinke S, Hornecker E, Mausberg RF. Initial periodontal screening and radiographic findings--a comparison of two methods to evaluate the periodontal situation. BMC Oral Health. 2011 Jan 14;11:3.	1

[a]Reasons for exclusion: 1 = outcomes not matching eligibility criteria; 2 = study design not matching eligibility criteria; 3 = reference test not matching eligibility criteria; 4 = population not matching eligibility criteria; 5 = index test not matching eligibility criteria.

CITATION

Almeida FT, Compton SM, Pratt R, Kung JY, Senior A, Pacheco-Pereira C. Intraoral radiographs for the diagnosis, treatment, and follow-up of periodontal disease: Position paper from the Canadian Dental Hygienists Association. *Can J Dent Hyg*. 2026;60(1):46–63.