

เอกสารอ้างอิง

1. Genco RJ. Host responses in periodontal diseases: current concepts. *J Periodontol.* 1992 Apr;63(4 Suppl):338-55.
2. Van Dyke TE. Cellular and molecular susceptibility determinants for periodontitis. *Periodontol 2000.* 2007;45:10-3.
3. Page RC, Kornman KS. The pathogenesis of human periodontitis: an introduction. *Periodontol 2000.* 1997 Jun;14:9-11.
4. กองทันตสานารณสุข กรมอนามัย กระทรวงสาธารณสุข. รายงานผลการสำรวจสภาวะสุขภาพช่องปากระดับประเทศ ครั้งที่ 6 พ.ศ. 2549-2550. 2551.
5. Baelum V, Pisuthanakan S, Teanpaisan R, Pithpornchaiyakul W, Pongpaisal S, Papapanou PN, et al. Periodontal conditions among adults in Southern Thailand. *J Periodontal Res.* 2003 Apr;38(2):156-63.
6. Baelum V, Pisuthanakan S, Teanpaisan R, Pithpornchaiyakul W, Pongpaisal S, Papapanou PN, et al. Periodontal conditions among adults in Southern Thailand. *Journal of Periodontal Research.* 2003;38(2):156-63.
7. Paster BJ, Boches SK, Galvin JL, Ericson RE, Lau CN, Levanos VA, et al. Bacterial diversity in human subgingival plaque. *J Bacteriol.* 2001 Jun;183(12):3770-83.
8. Kumar PS, Griffen AL, Barton JA, Paster BJ, Moeschberger ML, Leys EJ. New bacterial species associated with chronic periodontitis. *J Dent Res.* 2003 May;82(5):338-44.

9. de Lillo A, Booth V, Kyriacou L, Weightman AJ, Wade WG. Culture-independent identification of periodontitis-associated *Porphyromonas* and *Tannerella* populations by targeted molecular analysis. *J Clin Microbiol.* 2004 Dec;42(12):5523-7.
10. de Lillo A, Ashley FP, Palmer RM, Munson MA, Kyriacou L, Weightman AJ, et al. Novel subgingival bacterial phylotypes detected using multiple universal polymerase chain reaction primer sets. *Oral Microbiol Immunol.* 2006 Feb;21(1):61-8.
11. Haffajee AD, Socransky SS. Microbial etiological agents of destructive periodontal diseases. *Periodontol 2000.* 1994 Jun;5:78-111.
12. Haffajee AD, Cugini MA, Tanner A, Pollack RP, Smith C, Kent RL, Jr., et al. Subgingival microbiota in healthy, well-maintained elder and periodontitis subjects. *J Clin Periodontol.* 1998 May;25(5):346-53.
13. Moore WE, Moore LV. The bacteria of periodontal diseases. *Periodontol 2000.* 1994 Jun;5:66-77.
14. Socransky SS, Haffajee AD. Periodontal microbial ecology. *Periodontol 2000.* 2005;38:135-87.
15. Armitage GC. Development of a classification system for periodontal diseases and conditions. *Ann Periodontol.* 1999 Dec;4(1):1-6.
16. Slots J, Listgarten MA. *Bacteroides gingivalis*, *Bacteroides intermedius* and *Actinobacillus actinomycetemcomitans* in human periodontal diseases. *J Clin Periodontol.* 1988 Feb;15(2):85-93.
17. Zambon JJ. Periodontal diseases: microbial factors. *Ann Periodontol.* 1996 Nov;1(1):879-925.

18. Socransky SS, Haffajee AD, Cugini MA, Smith C, Kent RL, Jr. Microbial complexes in subgingival plaque. *J Clin Periodontol.* 1998 Feb;25(2):134-44.
19. Fives-Taylor PM, Meyer DH, Mintz KP, Brissette C. Virulence factors of *Actinobacillus actinomycetemcomitans*. *Periodontology* 2000. 1999;20(1):136-67.
20. Slots J, Ting M. *Actinobacillus actinomycetemcomitans* and *Porphyromonas gingivalis* in human periodontal disease: occurrence and treatment. *Periodontology* 2000. 1999;20(1):82-121.
21. van Winkelhoff AJ, Loos BG, van der Reijden WA, van der Velden U. *Porphyromonas gingivalis*, *Bacteroides forsythus* and other putative periodontal pathogens in subjects with and without periodontal destruction. *J Clin Periodontol.* 2002 Nov;29(11):1023-8.
22. Yang HW, Huang YF, Chou MY. Occurrence of *Porphyromonas gingivalis* and *Tannerella forsythensis* in periodontally diseased and healthy subjects. *J Periodontol.* 2004 Aug;75(8):1077-83.
23. Tanner AC, Haffer C, Bratthall GT, Visconti RA, Socransky SS. A study of the bacteria associated with advancing periodontitis in man. *J Clin Periodontol.* 1979 Oct;6(5):278-307.
24. Slots J, Reynolds HS. Long-wave UV light fluorescence for identification of black-pigmented *Bacteroides* spp. *J Clin Microbiol.* 1982 Dec;16(6):1148-51.
25. Slots J, Genco RJ. Black-pigmented *Bacteroides* species, *Capnocytophaga* species, and *Actinobacillus actinomycetemcomitans* in human periodontal disease: virulence factors in colonization, survival, and tissue destruction. *J Dent Res.* 1984 Mar;63(3):412-21.

26. Chen LL, Wu YM, Yan J, Sun WL, Sun YZ, Ojcius D. Association between coinfection of *Porphyromonas gingivalis*, *Actinobacillus actinomycetemcomitans* and *Treponema denticola* and periodontal tissue destruction in chronic periodontitis. Chin Med J (Engl). 2005 Jun 5;118(11):915-21.
27. Cortelli JR, Cortelli SC, Jordan S, Haraszthy VI, Zambon JJ. Prevalence of periodontal pathogens in Brazilians with aggressive or chronic periodontitis. J Clin Periodontol. 2005 Aug;32(8):860-6.
28. Rylev M, Kilian M. Prevalence and distribution of principal periodontal pathogens worldwide. J Clin Periodontol. 2008 Sep;35(8 Suppl):346-61.
29. Papapanou PN. Epidemiology of periodontal diseases: an update. J Int Acad Periodontol. 1999 Oct;1(4):110-6.
30. Takeuchi Y, Umeda M, Ishizuka M, Huang Y, Ishikawa I. Prevalence of periodontopathic bacteria in aggressive periodontitis patients in a Japanese population. J Periodontol. 2003 Oct;74(10):1460-9.
31. Suzuki N, Yoshida A, Saito T, Kawada M, Nakano Y. Quantitative microbiological study of subgingival plaque by real-time PCR shows correlation between levels of *Tannerella forsythensis* and *Fusobacterium* spp. J Clin Microbiol. 2004 May;42(5):2255-7.
32. Thiha K, Takeuchi Y, Umeda M, Huang Y, Ohnishi M, Ishikawa I. Identification of periodontopathic bacteria in gingival tissue of Japanese periodontitis patients. Oral Microbiol Immunol. 2007 Jun;22(3):201-7.
33. Morikawa M, Chiba T, Tomii N, Sato S, Takahashi Y, Konishi K, et al. Comparative analysis of putative periodontopathic bacteria by multiplex polymerase chain reaction. J Periodontal Res. 2008 Jun;43(3):268-74.

34. Choi BK, Park SH, Yoo YJ, Choi SH, Chai JK, Cho KS, et al. Detection of major putative periodontopathogens in Korean advanced adult periodontitis patients using a nucleic acid-based approach. *J Periodontol.* 2000 Sep;71(9):1387-94.
35. Kasuga Y, Ishihara K, Okuda K. Significance of detection of *Porphyromonas gingivalis*, *Bacteroides forsythus* and *Treponema denticola* in periodontal pockets. *Bull Tokyo Dent Coll.* 2000 Aug;41(3):109-17.
36. Okada M, Hayashi F, Nagasaka N. PCR detection of 5 putative periodontal pathogens in dental plaque samples from children 2 to 12 years of age. *J Clin Periodontol.* 2001 Jun;28(6):576-82.
37. Amano A, Kuboniwa M, Nakagawa I, Akiyama S, Morisaki I, Hamada S. Prevalence of specific genotypes of *Porphyromonas gingivalis fimA* and periodontal health status. *J Dent Res.* 2000 Sep;79(9):1664-8.
38. Zhao L, Wu YF, Meng S, Yang H, OuYang YL, Zhou XD. Prevalence of *fimA* genotypes of *Porphyromonas gingivalis* and periodontal health status in Chinese adults. 2007. p. 511-7.
39. Nakagawa I, Amano A, Ohara-Nemoto Y, Endoh N, Morisaki I, Kimura S, et al. Identification of a new variant of *fimA* gene of *Porphyromonas gingivalis* and its distribution in adults and disabled populations with periodontitis. *J Periodontal Res.* 2002 Dec;37(6):425-32.
40. Tan KS, Song KP, Ong G. *Bacteroides forsythus prtH* genotype in periodontitis patients: occurrence and association with periodontal disease. *J Periodontal Res.* 2001 Dec;36(6):398-403.

41. Boutaga K, van Winkelhoff AJ, Vandenbroucke-Grauls CM, Savelkoul PH. The additional value of real-time PCR in the quantitative detection of periodontal pathogens. *J Clin Periodontol.* 2006 Jun;33(6):427-33.
42. van der Reijden WA, Bosch-Tijhof CJ, Strooker H, van Winkelhoff AJ. prtH in *Tannerella forsythensis* is not associated with periodontitis. *J Periodontol.* 2006 Apr;77(4):586-90.
43. Ashimoto A, Chen C, Bakker I, Slots J. Polymerase chain reaction detection of 8 putative periodontal pathogens in subgingival plaque of gingivitis and advanced periodontitis lesions. *Oral Microbiol Immunol.* 1996 Aug;11(4):266-73.
44. Avila-Campos MJ, Velasquez-Melendez G. Prevalence of putative periodontopathogens from periodontal patients and healthy subjects in Sao Paulo, SP, Brazil. *Rev Inst Med Trop Sao Paulo.* 2002 Jan-Feb;44(1):1-5.
45. Lau L, Sanz M, Herrera D, Morillo JM, Martin C, Silva A. Quantitative real-time polymerase chain reaction versus culture: a comparison between two methods for the detection and quantification of *Actinobacillus actinomycetemcomitans*, *Porphyromonas gingivalis* and *Tannerella forsythensis* in subgingival plaque samples. *J Clin Periodontol.* 2004 Dec;31(12):1061-9.
46. Papapanou PN, Teanpaisan R, Obiechina NS, Pithpornchaiyakul W, Pongpaisal S, Pisuthananakan S, et al. Periodontal microbiota and clinical periodontal status in a rural sample in southern Thailand. 2002. p. 345-52.
47. พลกัทร์ จรัสชัยวรรณ, ณรงค์ศักดิ์ เหล่าศรีสิน, ดวงพร ศรีสุภาพ. ความชุกของเชื้อพ่อร ไฟโรโนมแนส จิงจิวัลิส ในผู้ป่วยโรคปริทันต์อักเสบในคนไทยกลุ่มหนึ่ง. *วิทยาสารปริทันตวิทยา.* 2551;1:31-7.

48. Torrungruang K, Bandhaya P, Likittanasombat K, Grittayaphong C. Relationship between the presence of certain bacterial pathogens and periodontal status of urban thai adults. *J Periodontol.* 2009 Jan;80(1):122-9.
49. Wara-Aswapati N, Pitiphat W, Chanchaimongkon L, Taweechaisupapong S, Boch JA, Ishikawa I. Red bacterial complex is associated with the severity of chronic periodontitis in a Thai population. *Oral Dis.* 2009 Apr 6.
50. Krisanaprakornkit S, Khongkhunthian S, Chotipanich T, Umpriwan R. The pilot syudy of association between the quantitives of five periodontopathic pathogens and the levels of periodontal pocket depth. *J Dent Assoc Thai.* 2003 53(5-6):391-405.
51. Socransky SS, Haffajee AD. The bacterial etiology of destructive periodontal disease: current concepts. *J Periodontol.* 1992;63:322-31.
52. Slots J. *Actinobacillus actinomycetemcomitans* and *Porphyromonas gingivalis* in periodontal disease: introduction. *Periodontology 2000.* 1999;20(1):7-13.
53. Alpagot T, Wolff LF, Smith QT, Tran SD. Risk indicators for periodontal disease in a racially diverse urban population. *J Clin Periodontol.* 1996 Nov;23(11):982-8.
54. Ezzo PJ, Cutler CW. Microorganisms as risk indicators for periodontal disease. *Periodontol 2000.* 2003;32:24-35.
55. Griffen AL, Becker MR, Lyons SR, Moeschberger ML, Leys EJ. Prevalence of *Porphyromonas gingivalis* and periodontal health status. *J Clin Microbiol.* 1998 Nov;36(11):3239-42.
56. Papapanou PN, Baelum V, Luan WM, Madianos PN, Chen X, Fejerskov O, et al. Subgingival microbiota in adult Chinese: prevalence and relation to periodontal disease progression. *J Periodontol.* 1997 Jul;68(7):651-66.

57. Preus HR, Anerud A, Boysen H, Dunford RG, Zambon JJ, Loe H. The natural history of periodontal disease. The correlation of selected microbiological parameters with disease severity in Sri Lankan tea workers. *J Clin Periodontol.* 1995 Sep;22(9):674-8.
58. Socransky SS, Haffajee AD, Dzink JL, Hillman JD. Associations between microbial species in subgingival plaque samples. *Oral Microbiol Immunol.* 1988 Mar;3(1):1-7.
59. Haffajee AD, Socransky SS, Dzink JL, Taubman MA, Ebersole JL. Clinical, microbiological and immunological features of subjects with refractory periodontal diseases. *J Clin Periodontol.* 1988 Jul;15(6):390-8.
60. Dzink JL, Socransky SS, Haffajee AD. The predominant cultivable microbiota of active and inactive lesions of destructive periodontal diseases. *J Clin Periodontol.* 1988 May;15(5):316-23.
61. Mullally BH, Dace B, Shelburne CE, Wolff LF, Coulter WA. Prevalence of periodontal pathogens in localized and generalized forms of early-onset periodontitis. *J Periodontal Res.* 2000 Aug;35(4):232-41.
62. Riviere GR, Smith KS, Tzagaroulaki E, Kay SL, Zhu X, DeRouen TA, et al. Periodontal status and detection frequency of bacteria at sites of periodontal health and gingivitis. *J Periodontol.* 1996 Feb;67(2):109-15.
63. Klein MI, Goncalves RB. Detection of *Tannerella forsythensis* (*Bacteroides forsythus*) and *Porphyromonas gingivalis* by polymerase chain reaction in subjects with different periodontal status. *J Periodontol.* 2003 Jun;74(6):798-802.

64. Amano A, Nakagawa I, Kataoka K, Morisaki I, Hamada S. Distribution of *Porphyromonas gingivalis* strains with *fimA* genotypes in periodontitis patients. *J Clin Microbiol.* 1999 May;37(5):1426-30.
65. Nakagawa I, Amano A, Kimura RK, Nakamura T, Kawabata S, Hamada S. Distribution and molecular characterization of *Porphyromonas gingivalis* carrying a new type of *fimA* gene. *J Clin Microbiol.* 2000 May;38(5):1909-14.
66. Sakamoto M, Suzuki M, Umeda M, Ishikawa I, Benno Y. Reclassification of *Bacteroides forsythus* (Tanner et al. 1986) as *Tannerella forsythensis* corrig., gen. nov., comb. nov. *Int J Syst Evol Microbiol.* 2002 May;52(Pt 3):841-9.
67. White D, Mayrand D. Association of oral *Bacteroides* with gingivitis and adult periodontitis. *J Periodontal Res.* 1981 May;16(3):259-65.
68. Haraszthy VI, Zambon JJ, Trevisan M, Zeid M, Genco RJ. Identification of periodontal pathogens in atherosomatous plaques. *J Periodontol.* 2000 Oct;71(10):1554-60.
69. Holt SC, Kesavalu L, Walker S, Genco CA. Virulence factors of *Porphyromonas gingivalis*. *Periodontology 2000.* 1999;20(1):168-238.
70. Takeuchi Y, Umeda M, Sakamoto M, Benno Y, Huang Y, Ishikawa I. *Treponema socranskii*, *Treponema denticola*, and *Porphyromonas gingivalis* are associated with severity of periodontal tissue destruction. *J Periodontol.* 2001 Oct;72(10):1354-63.
71. Takamatsu N, Yano K, He T, Umeda M, Ishikawa I. Effect of initial periodontal therapy on the frequency of detecting *Bacteroides forsythus*, *Porphyromonas gingivalis*, and *Actinobacillus actinomycetemcomitans*. *J Periodontol.* 1999 Jun;70(6):574-80.

72. Hamlet SM, Cullinan MP, Westerman B, Lindeman M, Bird PS, Palmer J, et al. Distribution of *Actinobacillus actinomycetemcomitans*, *Porphyromonas gingivalis* and *Prevotella intermedia* in an Australian population. *J Clin Periodontol.* 2001 Dec;28(12):1163-71.
73. Kawada M, Yoshida A, Suzuki N, Nakano Y, Saito T, Oho T, et al. Prevalence of *Porphyromonas gingivalis* in relation to periodontal status assessed by real-time PCR. *Oral Microbiol Immunol.* 2004 Oct;19(5):289-92.
74. Renvert S, Dahlem G, Wikstrom M. Treatment of periodontal disease based on microbiological diagnosis. Relation between microbiological and clinical parameters during 5 years. *J Periodontol.* 1996 Jun;67(6):562-71.
75. Rodenburg JP, van Winkelhoff AJ, Winkel EG, Goene RJ, Abbas F, de Graaff J. Occurrence of *Bacteroides gingivalis*, *Bacteroides intermedius* and *Actinobacillus actinomycetemcomitans* in severe periodontitis in relation to age and treatment history. *J Clin Periodontol.* 1990 Jul;17(6):392-9.
76. Savitt ED, Kent RL. Distribution of *Actinobacillus actinomycetemcomitans* and *Porphyromonas gingivalis* by subject age. *J Periodontol.* 1991 Aug;62(8):490-4.
77. Drake CW, Hunt RJ, Beck JD, Zambon JJ. The distribution and interrelationship of *Actinobacillus actinomycetemcomitans*, *Porphyromonas gingivalis*, *Prevotella intermedia*, and BANA scores among older adults. *J Periodontol.* 1993 Feb;64(2):89-94.
78. Tanner AC, Goodson JM. Sampling of microorganisms associated with periodontal disease. *Oral Microbiol Immunol.* 1986 Nov;1(1):15-22.
79. Maiden MF, Cohee P, Tanner AC. Proposal to conserve the adjectival form of the specific epithet in the reclassification of *Bacteroides forsythus* Tanner et al.

- 1986 to the genus *Tannerella* Sakamoto et al. 2002 as *Tannerella forsythia* corrig., gen. nov., comb. nov. Request for an Opinion. Int J Syst Evol Microbiol. 2003 Nov;53(Pt 6):2111-2.
80. Wyss C. Dependence of proliferation of *Bacteroides forsythus* on exogenous N-acetylmuramic acid. Infect Immun. 1989 Jun;57(6):1757-9.
81. Grenier D. Characterization of the trypsin-like activity of *Bacteroides forsythus*. 1995. p. 921-6.
82. Holt SC, Bramanti TE. Factors in virulence expression and their role in periodontal disease pathogenesis. Crit Rev Oral Biol Med. 1991;2(2):177-281.
83. Arakawa S, Nakajima T, Ishikura H, Ichinose S, Ishikawa I, Tsuchida N. Novel apoptosis-inducing activity in *Bacteroides forsythus*: a comparative study with three serotypes of *Actinobacillus actinomycetemcomitans*. Infect Immun. 2000 Aug;68(8):4611-5.
84. Gmur R, Strub JR, Guggenheim B. Prevalence of *Bacteroides forsythus* and *Bacteroides gingivalis* in subgingival plaque of prosthetically treated patients on short recall. J Periodontal Res. 1989 Mar;24(2):113-20.
85. Kamma JJ, Nakou M, Manti FA. Microbiota of rapidly progressive periodontitis lesions in association with clinical parameters. J Periodontol. 1994 Nov;65(11):1073-8.
86. Yano-Higuchi K, Takamatsu N, He T, Umeda M, Ishikawa I. Prevalence of *Bacteroides forsythus*, *Porphyromonas gingivalis* and *Actinobacillus actinomycetemcomitans* in subgingival microflora of Japanese patients with adult and rapidly progressive periodontitis. J Clin Periodontol. 2000 Aug;27(8):597-602.

87. Hamlet S, Ellwood R, Cullinan M, Worthington H, Palmer J, Bird P, et al. Persistent colonization with *Tannerella forsythensis* and loss of attachment in adolescents. *J Dent Res.* 2004 Mar;83(3):232-5.
88. Suda R, Kobayashi M, Nanba R, Iwamaru M, Hayashi Y, Lai CH, et al. Possible periodontal pathogens associated with clinical symptoms of periodontal disease in Japanese high school students. *J Periodontol.* 2004 Aug;75(8):1084-9.
89. Ali RW, Bakken V, Nilsen R, Skaug N. Comparative detection frequency of 6 putative periodontal pathogens in Sudanese and Norwegian adult periodontitis patients. *J Periodontol.* 1994 Nov;65(11):1046-52.
90. Machtei EE, Dunford R, Hausmann E, Grossi SG, Powell J, Cummins D, et al. Longitudinal study of prognostic factors in established periodontitis patients. *J Clin Periodontol.* 1997 Feb;24(2):102-9.
91. Socransky SS, Haffajee AD. Evidence of bacterial etiology: a historical perspective. *Periodontol 2000.* 1994 Jun;5:7-25.
92. Haffajee AD, Cugini MA, Dibart S, Smith C, Kent RL, Jr., Socransky SS. The effect of SRP on the clinical and microbiological parameters of periodontal diseases. *J Clin Periodontol.* 1997 May;24(5):324-34.
93. Fujise O, Hamachi T, Inoue K, Miura M, Maeda K. Microbiological markers for prediction and assessment of treatment outcome following non-surgical periodontal therapy. *J Periodontol.* 2002 Nov;73(11):1253-9.
94. Sanz M, Lau L, Herrera D, Morillo JM, Silva A. Methods of detection of *Actinobacillus actinomycetemcomitans*, *Porphyromonas gingivalis* and *Tannerella forsythensis* in periodontal microbiology, with special emphasis on advanced molecular techniques: a review. *J Clin Periodontol.* 2004 Dec;31(12):1034-47.

95. D'Ercole S, Catamo G, Tripodi D, Piccolomini R. Comparison of culture methods and multiplex PCR for the detection of periodontopathogenic bacteria in biofilm associated with severe forms of periodontitis. *New Microbiol.* 2008 Jul;31(3):383-91.
96. Chen C, Slots J. Microbiological tests for *Actinobacillus actinomycetemcomitans* and *Porphyromonas gingivalis*. *Periodontology* 2000. 1999;20(1):53-64.
97. Nishihara T, Koseki T. Microbial etiology of periodontitis. *Periodontol 2000.* 2004;36:14-26.
98. Boutaga K, van Winkelhoff AJ, Vandenbroucke-Grauls CM, Savelkoul PH. Periodontal pathogens: a quantitative comparison of anaerobic culture and real-time PCR. *FEMS Immunol Med Microbiol.* 2005 Aug 1;45(2):191-9.
99. Nonnenmacher C, Dalpke A, Mutters R, Heeg K. Quantitative detection of periodontopathogens by real-time PCR. *J Microbiol Methods.* 2004 Oct;59(1):117-25.
100. Jervoe-Storm PM, Koltzscher M, Falk W, Dorfler A, Jepsen S. Comparison of culture and real-time PCR for detection and quantification of five putative periodontopathogenic bacteria in subgingival plaque samples. *J Clin Periodontol.* 2005 Jul;32(7):778-83.
101. Wahlfors J, Meurman JH, Vaisanen P, Alakuijala P, Korhonen A, Torkko H, et al. Simultaneous detection of *Actinobacillus actinomycetemcomitans* and *Porphyromonas gingivalis* by a rapid PCR method. *J Dent Res.* 1995 Nov;74(11):1796-801.
102. Riggio MP, Macfarlane TW, Mackenzie D, Lennon A, Smith AJ, Kinane D. Comparison of polymerase chain reaction and culture methods for detection of

Actinobacillus actinomycetemcomitans and *Porphyromonas gingivalis* in subgingival plaque samples. J Periodontal Res. 1996 Oct;31(7):496-501.

103. Watanabe K, Frommel TO. Detection of *Porphyromonas gingivalis* in oral plaque samples by use of the polymerase chain reaction. J Dent Res. 1993 Jun;72(6):1040-4.

104. Nozaki T, Kusumoto Y, Kitamura M, Hirano H, Kohyama A, Hayakawa M, et al. A sensitive method for detecting *Porphyromonas gingivalis* by polymerase chain reaction and its possible clinical application. J Periodontol. 2001 Sep;72(9):1228-35.

105. Gomes BP, Jacinto RC, Pinheiro ET, Sousa EL, Zaia AA, Ferraz CC, et al. *Porphyromonas gingivalis*, *Porphyromonas endodontalis*, *Prevotella intermedia* and *Prevotella nigrescens* in endodontic lesions detected by culture and by PCR. Oral Microbiol Immunol. 2005 Aug;20(4):211-5.

106. Loomer PM. Microbiological diagnostic testing in the treatment of periodontal diseases. Periodontol 2000. 2004;34:49-56.

107. Shelburne CE, Prabhu A, Gleason RM, Mullally BH, Coulter WA. Quantitation of *Bacteroides forsythus* in subgingival plaque comparison of immunoassay and quantitative polymerase chain reaction. J Microbiol Methods. 2000 Jan;39(2):97-107.

108. Meurman JH, Wahlfors J, Korhonen A, Alakuijala P, Vaisanen P, Torkko H, et al. Identification of *Bacteroides forsythus* in subgingival dental plaque with the aid of a rapid PCR method. J Dent Res. 1997 Jul;76(7):1376-80.

109. Loesche WJ. DNA probe and enzyme analysis in periodontal diagnostics. J Periodontol. 1992 Dec;63(12 Suppl):1102-9.

110. Papapanou PN, Madianos PN, Dahlen G, Sandros J. "Checkerboard" versus culture: a comparison between two methods for identification of subgingival microbiota. *Eur J Oral Sci.* 1997 Oct;105(5 Pt 1):389-96.
111. Wong M, DiRienzo JM, Lai CH, Listgarten MA. Comparison of randomly cloned and whole genomic DNA probes for the detection of *Porphyromonas gingivalis* and *Bacteroides forsythus*. *J Periodontal Res.* 1996 Jan;31(1):27-35.
112. Strzempko MN, Simon SL, French CK, Lippke JA, Raia FF, Savitt ED, et al. A cross-reactivity study of whole genomic DNA probes for *Haemophilus actinomycetemcomitans*, *Bacteroides intermedius*, and *Bacteroides gingivalis*. *J Dent Res.* 1987 Oct;66(10):1543-6.
113. Lotufo RF, Flynn J, Chen C, Slots J. Molecular detection of *Bacteroides forsythus* in human periodontitis. *Oral Microbiol Immunol.* 1994 Jun;9(3):154-60.
114. Socransky SS, Smith C, Martin L, Paster BJ, Dewhirst FE, Levin AE. "Checkerboard" DNA-DNA hybridization. *Biotechniques.* 1994 Oct;17(4):788-92.
115. Hayes RJ, Bennett S. Simple sample size calculation for cluster-randomized trials. *Int J Epidemiol.* 1999 Apr;28(2):319-26.
116. Loe H. The Gingival Index, the Plaque Index and the Retention Index Systems. *J Periodontol.* 1967 Nov-Dec;38(6):Suppl:610-6.
117. Silness J, Loe H. Periodontal Disease in Pregnancy. II. Correlation between Oral Hygiene and Periodontal Condition. *Acta Odontol Scand.* 1964 Feb;22:121-35.
118. Ploeg JR, Giertsen E, Ludin B, Morgeli C, Zinkernagel AS, Gmur R. Quantitative detection of *Porphyromonas gingivalis fimA* genotypes in dental plaque. 2004. p. 31-7.

119. Hamlet SM, Taiyeb-Ali TB, Cullinan MP, Westerman B, Palmer JE, Seymour GJ. *Tannerella forsythensis* *prtH* genotype and association with periodontal status. J Periodontol. 2007 Feb;78(2):344-50.
120. Haffajee AD, Bogren A, Hasturk H, Feres M, Lopez NJ, Socransky SS. Subgingival microbiota of chronic periodontitis subjects from different geographic locations. J Clin Periodontol. 2004 Nov;31(11):996-1002.
121. Takemoto T, Kurihara H, Dahlen G. Characterization of *Bacteroides forsythus* isolates. J Clin Microbiol. 1997 Jun;35(6):1378-81.
122. Mineoka T, Awano S, Rikimaru T, Kurata H, Yoshida A, Ansai T, et al. Site-specific development of periodontal disease is associated with increased levels of *Porphyromonas gingivalis*, *Treponema denticola*, and *Tannerella forsythia* in subgingival plaque. J Periodontol. 2008 Apr;79(4):670-6.
123. Christersson LA, Fransson CL, Dunford RG, Zambon JJ. Subgingival distribution of periodontal pathogenic microorganisms in adult periodontitis. J Periodontol. 1992 May;63(5):418-25.
124. van Winkelhoff AJ, Loos BG, van der Reijden WA, van der Velden U. *Porphyromonas gingivalis*, *Bacteroides forsythus* and other putative periodontal pathogens in subjects with and without periodontal destruction. Journal of Clinical Periodontology. 2002;29(11):1023-8.



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