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## Literatur

1. Abusleme L, Dupuy AK, Dutzan N, Silva N, Burleson J., Strausbaugh .D, Gamonal and Diaz, PI. The subgingival microbiome in health and periodontitis and its relationship with community biomass and inflammation. *The ISME Journal* 7, 1016–1025 (2013).
2. Amano A: Host-parasite interactions in periodontitis: microbial pathogenicity and innate immunity. *Periodontology 2000* 54, 9 – 14 (2010).
3. Camelo-Castillo A, Novoa L, Balsa-Castro C, Blanco J, Mira A, Tomás I. Relationship between periodontitis-associated subgingival microbiota and clinical inflammation by 16S pyrosequencing. *J Clin Periodontol*, 42: 1074–1082 (2015).
4. Colombo AP, Boches K, Cotton SL, Goodson JM, Kent R, Haffajee AD, Socransky S., Hasturk H, van Dyke TE, Paster B: Comparisons of Subgingival Microbial Profiles of Refractory Periodontitis, Severe Periodontitis and Periodontal Health using the Human Oral Microbe Identification Microarray (HOMIM). *J Periodontol.* 80(9), 1421–1432 (2009).
5. Diaz PI, Hoare A, Hong BY: Subgingival microbiome shifts and community dynamics in periodontal diseases. *CDA Journal* 44 (7), 421 – 435 (2016).
6. Dombrowa, S.: Sinnhaftigkeit der mikrobiologischen Diagnostik in der Therapie von Parodontitis und Periimplantitis. *ZMK* 7/8, 422 – 426 (2010).
7. Eick S, Seltmann T, Pfister W: Efficacy of antibiotics to strains of periodontopathogenic bacteria within a single species biofilm – an in vitro study. *J Clin. Periodontol*, 31, 376–383 (2004).
8. Ezzo P, Cutler CW: Microorganisms as risk indicators for periodontal disease. *Periodontol.* 2000, 32, 24–35 (2003).
9. Feres M, Soares GMS, Mendes JAV, Silva MP, Faveri M, Teles R, Socransky SS, Figueiredo LC: Metronidazole alone or with amoxicillin as adjuncts to non-surgical treatment of chronic periodontitis: a 1-year double-blinded, placebo-controlled, randomized clinical trial. *J Clin Periodontol*; 39, 1149–1158 (2012).
10. Haffajee AD, Socransky SS, Gunsolley JC: Systemic anti-infective periodontal therapy. A systemic review. *Ann Periodontol.* 8 (1) 115-81 (2003).
11. Hajishengallis G: Periodontitis: from microbial immune subversion to systemic inflammation. *Nature Reviews Immunology* 15, 30-44 (2015).

12. Hajishengallis G, Darveau RP, Curtis MA: The Keystone Pathogen Hypothesis. *Nat Rev Microbiol.* 10 (10), 717–725 (2012).
13. Herrera D, Sanz M, Jepsen S, Needleman I, Roldáñ S: A systematic review on the effect of systemic antimicrobials as an adjunct to scaling and root planing in periodontitis patients. *J Clin Periodontol* 2002; 29(Suppl. 3): 136–159.
14. Herrera, D, Alonso B, Léon R, Roldán S, Sanz M: Antimicrobial therapy in periodontitis: the use of systemic antimicrobials against the subgingival biofilm. *J Clin Periodontol*, 35 (8), 45–66 (2008).
15. Hong BY, Furtado Araujo MV, Strausbaugh LD, Terzi E, Ioannidou E, Diaz PI: Microbiome profiles in periodontitis in relation to host and disease characteristics. *PLoS ONE* 10 (5), 1 – 14.
16. Kilian M, Chapple ILC, Hannig M, Marsh PD, Meuric V, Pedersen A M L, Tonetti M, Wade WG, Zaura E: The oral microbiome – an update for oral healthcare professionals. *British Dental Journal* (10), 657 – 666 (2016).
17. Marsh PD: Microbial ecology of dental plaque and its significance in health and disease. *Adv Dent Res* 8 (2), 263–271 (1994).
18. Marsh PD, Zaura E: Dental biofilm: ecological interactions in health and disease. *J Clin Periodontol* 44 (Suppl. 18), 12–22 (2017).
19. Page, R.C., Kornman, K. S.: The pathogenesis of human periodontitis: an introduction. *Periodontology 2000*, 14, 9-11 (1997).
20. Position Paper: Systemic Antibiotics in Periodontics. *J. Periodontol* 75, 1553–1565 (2004).
21. Quirynen M, Mongardini C, Pauwels M, Bollen CML, van Elderle J, van Steenberghe D: One stage full- versus partial-mouth disinfection in the treatment of chronic adult or generalized early-onset periodontitis. II. Long-term impact on microbial load. *J. Periodontol* 70, 646–656 (1999).
22. Rabelo CC , Feres M, Gonc\_alves C, Figueiredo LC, Faveri M, Tu Y-K, Chambrone L. Systemic antibiotics in the treatment of aggressive periodontitis. A systematic review and a Bayesian Network meta-analysis. *J Clin Periodontol* 42, 647–657.
23. Shi B, Chang M, Martin J, Mitreva M, Lux R, Klokkevold P, Sodergren E, Weinstock .M, Haake SK, Li H: Dynamic changes in the subgingival microbiome and their potential for diagnosis and prognosis of periodontitis. *mBio* 6(1), 1-11 (2015).
24. Socransky SS, Haffajee AD, Cugini MA, Smith C, Kent RL: Microbial complexes in subgingival plaque. *J. Clin. Peridontol.* 25, 134–144 (1998).
25. Socransky SS, Smith C, Haffajee AD: Subgingival microbial profiles in refractory periodontal disease. *J Clin Periodontol* 29, 260–268 (2002).

26. Van Winkelhoff AJ, Winkel EG: Microbiological diagnostics in periodontics: biological significance and clinical validity. *Periodontology 2000* 39, 40–52 (2005).