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Thema: Bakterien gegen Parodontitis – macht das Sinn?

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Literatur

- 1 Eke, P. I., G. O. Thornton-Evans, L. Wei, W. S. Borgnakke, B. A. Dye and R. J. Genco (2018). Periodontitis in us adults: National health and nutrition examination survey 2009-2014. *J Am Dent Assoc* 149(7): 576-588.e576.
- 2 Pihlstrom, B. L., B. S. Michalowicz and N. W. Johnson (2005). Periodontal diseases. *The Lancet* 366(9499): 1809-1820.
- 3 Kruis, W., P. Frič, J. Pokrotnieks, M. Lukáš, B. Fixa, M. Kaščák, M. Kamm, J. Weismueller, C. Beglinger and M. Stolte (2004). Maintaining remission of ulcerative colitis with the probiotic escherichia coli nissle 1917 is as effective as with standard mesalazine. *Gut* 53(11): 1617-1623.
- 4 https://www.awmf.org/uploads/tx_szleitlinien/083-029k_S3_Adjuvante-systemische-Antibiotikagabe_Parodontitistherapie_2018-11_1.pdf.
- 5 Beikler, T., H. Karch and T. Flemmig (2003). Adjuvante antibiotika in der parodontitistherapie. *Dtsch Zahnärztl*(58): 263-265.
- 6 Ziebolz, D. and E. Hornecker (2010). Möglichkeiten adjuvanter systemischer antibiotikatherapie bei parodontitis. *ZWR-Das Deutsche Zahnärzteblatt* 119(01/02): 28-35.
- 7 Teughels, W., M. Van Essche, I. Sliepen and M. Quirynen (2008). Probiotics and oral healthcare. *Periodontol* 2000 48: 111-147.
- 8 Hotel, A. C. P. and A. Cordoba (2001). Health and nutritional properties of probiotics in food including powder milk with live lactic acid bacteria. *Prevention* 5(1): 1-10.
- 9 GUM_PerioBalance_USAGE_PROTOCOL2017.pdf, h. w. g.-p. d. f. u. B. P.
- 10 Bischoff, S. C. (2009). Probiotika, präbiotika und synbiotika, Georg Thieme Verlag.
- 11 Grangette, C., S. Nutten, E. Palumbo, S. Morath, C. Hermann, J. Dewulf, B. Pot, T. Hartung, P. Hols and A. Mercenier (2005). Enhanced antiinflammatory capacity of a lactobacillus plantarum mutant synthesizing modified teichoic acids. *Proceedings of the National Academy of Sciences* 102(29): 10321-10326.
- 12 Sheil, B., J. McCarthy, L. O'mahony, M. Bennett, P. Ryan, J. Fitzgibbon, B. Kiely, J. Collins and F. Shanahan (2004). Is the mucosal route of administration essential for probiotic function? Subcutaneous administration is associated with attenuation of murine colitis and arthritis. *Gut* 53(5): 694-700.
- 13 Ukena, S. N., A. Singh, U. Dringenberg, R. Engelhardt, U. Seidler, W. Hansen, A. Bleich, D. Bruder, A. Franzke and G. Rogler (2007). Probiotic escherichia coli nissle 1917 inhibits leaky gut by enhancing mucosal integrity. *PloS one* 2(12): e1308.
- 14 Yan, F., H. Cao, T. L. Cover, R. Whitehead, M. K. Washington and D. B. Polk (2007). Soluble proteins produced by probiotic bacteria regulate intestinal epithelial cell survival and growth. *Gastroenterology* 132(2): 562-575.

- 15 Cleusix, V., C. Lacroix, S. Vollenweider and G. Le Blay (2008). Glycerol induces reuterin production and decreases escherichia coli population in an in vitro model of colonic fermentation with immobilized human feces. *FEMS Microbiology Ecology* 63(1): 56-64.
- 16 Asahara, T., K. Shimizu, K. Nomoto, T. Hamabata, A. Ozawa and Y. Takeda (2004). Probiotic bifidobacteria protect mice from lethal infection with shiga toxin-producing escherichia coli o157: H7. *Infection and Immunity* 72(4): 2240-2247.
- 17 Teughels, W., M. Newman, W. Coucke, A. Haffajee, H. Van Der Mei, S. K. Haake, E. Schepers, J.-J. Cassiman, J. Van Eldere and D. van Steenberghe (2007). Guiding periodontal pocket recolonization: A proof of concept. *Journal of Dental Research* 86(11): 1078-1082.
- 18 Kashket, S. and T. Yaskell (1997). Effectiveness of calcium lactate added to food in reducing intraoral demineralization of enamel. *Caries research* 31(6): 429-433.
- 19 Caglar, E., S. Kavaloglu Cildir, S. Ergeneli, N. Sandalli and S. Twetman (2006). Salivary mutans streptococci and lactobacilli levels after ingestion of the probiotic bacterium lactobacillus reuteri atcc 55730 by straws or tablets. *Acta Odontologica Scandinavica* 64(5): 314-318.
- 20 Roberts, F. A. and R. P. Darveau (2002). Beneficial bacteria of the periodontium. *Periodontology 2000* 30(1): 40-50.
- 21 Wolff, L., W. Liljemark, C. Bloomquist, B. Pihlstrom, E. Schaffer and C. Bandt (1985).
- 22 Tekce, M., G. Ince, H. Gursoy, S. Dirikan Ipci, G. Cakar, T. Kadir and S. Yilmaz (2015). Clinical and microbiological effects of probiotic lozenges in the treatment of chronic periodontitis: A 1-year follow-up study. *Journal of Clinical Periodontology* 42(4): 363-372.
- 23 Ince, G., H. Gursoy, Ş. D. İpçi, G. Cakar, E. Emekli-Alturfan and S. Yilmaz (2015). Clinical and biochemical evaluation of lozenges containing lactobacillus reuteri as an adjunct to non-surgical periodontal therapy in chronic periodontitis. *Journal of Periodontology* 86(6): 746-754.
24. GUM_PerioBalance_USAGE_PROTOCOL2017.pdf, h. w. g.-p. d. f. u. B. P.