

Ausgabe: Dental Tribune German Edition 1/18

Thema: Auswirkung von Xerostomie auf die Lebensqualität. Eine sorgfältige Anamnese und angepasste Zahn- und Mundpflegekonzepte können die Ursachen wirksam bekämpfen.

Autoren: Dr. Frederic Meyer, Dr. Joachim Enax

Literatur

- 1 Nederfors, T. Xerostomia and hyposalivation. *Advances in dental research* **14**, 48-56, doi:10.1177/08959374000140010701 (2000).
- 2 Fejerskov, O. & Kidd, E. *Dental Caries: The Disease and its Clinical Management*. (Wiley, 2009).
- 3 Bardow, A., Nyvad, B. & Nauntofte, B. Relationships between medication intake, complaints of dry mouth, salivary flow rate and composition, and the rate of tooth demineralization *in situ*. *Archives of oral biology* **46**, 413-423, doi:[http://dx.doi.org/10.1016/S0003-9969\(01\)00003-6](http://dx.doi.org/10.1016/S0003-9969(01)00003-6) (2001).
- 4 Selwitz, R. H., Ismail, A. I. & Pitts, N. B. Dental caries. *Lancet* **369**, 51-59, doi:10.1016/S0140-6736(07)60031-2 (2007).
- 5 Ying Joanna, N. D. & Thomson, W. M. Dry mouth – An overview. *Singapore Dental Journal* **36**, 12-17, doi:<https://doi.org/10.1016/j.sdj.2014.12.001> (2015).
- 6 Thomson, W. M., Chalmers, J. M., Spencer, A. J. & Williams, S. M. The xerostomia inventory: a multi-item approach to measuring dry mouth. *Community Dent. Health* **16**, 12-17 (1999).
- 7 Scully, C. Drug effects on salivary glands: dry mouth. *Oral diseases* **9**, 165-176 (2003).
- 8 Barbe, A. G. & Noack, M. J. Medikamentenbedingte Mundtrockenheit bei Morbus Parkinson. *Prophylaxe Impuls* **3**, 118-123 (2016).
- 9 Grundmann, O., Mitchell, G. C. & Limesand, K. H. Sensitivity of Salivary Glands to Radiation: from Animal Models to Therapies. *Journal of Dental Research* **88**, 894-903, doi:10.1177/0022034509343143 (2009).
- 10 Mutneja, P., Dhawan, P., Raina, A. & Sharma, G. Menopause and the oral cavity. *Indian Journal of Endocrinology and Metabolism* **16**, 548-551, doi:10.4103/2230-8210.98007 (2012).
- 11 Santoro, N., Epperson, C. N. & Mathews, S. B. Menopausal Symptoms and Their Management. *Endocrinology and metabolism clinics of North America* **44**, 497-515, doi:10.1016/j.ecl.2015.05.001 (2015).
- 12 Suri, V. & Suri, V. Menopause and oral health. *J Midlife Health* **5**, 115-120, doi:10.4103/0976-7800.141187 (2014).
- 13 Narhi, T. O. *et al.* Association between salivary flow rate and the use of systemic medication among 76-, 81-, and 86-year-old inhabitants in Helsinki, Finland. *J Dent Res* **71**, 1875-1880, doi:10.1177/00220345920710120401 (1992).
- 14 Narhi, T. O., J. H. Meurman & Ainamo, A. Xerostomia and hyposalivation: causes, consequences and treatment in the elderly. *Drug & Aging* **15**, 103-116 (1999).
- 15 Hahnel, S., Schwarz, S., Zeman, F., Schafer, L. & Behr, M. Prevalence of xerostomia and hyposalivation and their association with quality of life in elderly patients in dependence on dental status and prosthetic rehabilitation: a pilot study. *J Dent* **42**, 664-670, doi:10.1016/j.jdent.2014.03.003 (2014).

- 16 Napeñas, J. J., Brennan, M. T. & Fox, P. C. Diagnosis and treatment of xerostomia (dry mouth). *Odontology* **97**, 76-83, doi:10.1007/s10266-008-0099-7 (2009).
- 17 Mortazavi, H., Baharvand, M., Movahhedian, A., Mohammadi, M. & Khodadoustan, A. Xerostomia due to systemic disease: a review of 20 conditions and mechanisms. *Ann Med Health Sci Res* **4**, 503-510, doi:10.4103/2141-9248.139284 (2014).
- 18 Shirzaiy, M. & Bagheri, F. Prevalence of Xerostomia and its Related Factors in Patients Referred to Zahedan Dental School in Iran. *Dental Clinical and Experimental Journal In Press*, e7138, doi:10.17795/dcej-7138.
- 19 Wiener, R. C. et al. Hyposalivation and xerostomia in dentate older adults. *J. Am. Dent. Assoc.* **141**, 279-284 (2010).
- 20 Wick, J. Y. Xerostomia: causes and treatment. *Consult Pharm* **22**, 985-992 (2007).
- 21 Villa, A., Connell, C. L. & Abati, S. Diagnosis and management of xerostomia and hyposalivation. *Ther. Clin. Risk Manag.* **11**, 45-51 (2015).
- 22 Guggenheimer, J. & Moore, P. A. Xerostomia: etiology, recognition and treatment. *J. Am. Dent. Assoc.* **134**, 61-69 (2003).
- 23 da Silva, L., Kupek, E. & Peres, K. G. General health influences episodes of xerostomia: a prospective population-based study. *Community dentistry and oral epidemiology* **45**, 153-159, doi:10.1111/cdoe.12271 (2017).
- 24 Putten, G. J. v. d., Brand, H. S., Schols, J. M. & Baat, C. d. The diagnostic suitability of a xerostomia questionnaire and the association between xerostomia, hyposalivation and medication use in a group of nursing home residents. *Clin. Oral Investig.* **15**, 185-192 (2011).
- 25 Dirix, P., Nuyts, S., Vander Poorten, V., Delaere, P. & Van den Bogaert, W. Efficacy of the BioXtra dry mouth care system in the treatment of radiotherapy-induced xerostomia. *Support Care Cancer* **15**, 1429-1436, doi:10.1007/s00520-006-0210-y (2007).
- 26 Jordan, A. R. & Micheelis, W. *Fünfte Deutsche Mundgesundheitsstudie (DMS V)*. (Institut der Deutschen Zahnärzte, 2016).
- 27 Gati, D. & Vieira, A. R. Elderly at Greater Risk for Root Caries: A Look at the Multifactorial Risks with Emphasis on Genetics Susceptibility. *International journal of dentistry* **2011**, 6, doi:10.1155/2011/647168 (2011).
- 28 Gibbins, H. L., Proctor, G. B., Yakubov, G. E., Wilson, S. & Carpenter, G. H. Concentration of salivary protective proteins within the bound oral mucosal pellicle. *Oral diseases* **20**, 707-713, doi:10.1111/odi.12194 (2014).
- 29 de Almeida Pdel, V., Gregio, A. M., Machado, M. A., de Lima, A. A. & Azevedo, L. R. Saliva composition and functions: a comprehensive review. *The journal of contemporary dental practice* **9**, 72-80 (2008).
- 30 Carpenter, G. H. The secretion, components, and properties of saliva. *Annu Rev Food Sci Technol* **4**, 267-276, doi:10.1146/annurev-food-030212-182700 (2013).
- 31 Humphrey, S. P. & Williamson, R. T. A review of saliva: normal composition, flow, and function. *J Prosthet Dent* **85**, 162-169, doi:10.1067/mpr.2001.113778 (2001).
- 32 Mandel, I. D. The functions of saliva. *J Dent Res* **66 Spec No**, 623-627, doi:10.1177/00220345870660S203 (1987).
- 33 Tiwari, M. Science behind human saliva. *J Nat Sci Biol Med* **2**, 53-58, doi:10.4103/0976-9668.82322 (2011).
- 34 Levine, M. J. Salivary macromolecules. A structure/function synopsis. *Annals of the New York Academy of Sciences* **694**, 11-16 (1993).
- 35 Barbe, A. G., Schmidt-Park, Y., Hamacher, S., Derman, S. H. & Noack, M. J. Efficacy of GUM(R) Hydral versus Biotene(R) Oralbalance mouthwashes plus gels on symptoms of medication-induced xerostomia: a randomized, double-blind, crossover study. *Clin Oral Investig*, doi:10.1007/s00784-017-2096-0 (2017).
- 36 Su, N., Marek, C. L., Ching, V. & Grushka, M. Caries prevention for patients with dry mouth. *J. Can. Dent. Assoc.* **77**, b85 (2011).

- 37 Harks, I. *et al.* Impact of the daily use of a microcrystal hydroxyapatite dentifrice on de novo plaque formation and clinical/microbiological parameters of periodontal health. A randomized trial. *PLoS one* **11**, e0160142 (2016).
- 38 Kensche, A. *et al.* Efficacy of a mouthrinse based on hydroxyapatite to reduce initial bacterial colonisation in situ. *Archives of oral biology* **80**, 18-26, doi:10.1016/j.archoralbio.2017.03.013 (2017).
- 39 Najibfard, K., Ramalingam, K., Chedjieu, I. & Amaechi, B. T. Remineralization of early caries by a nano-hydroxyapatite dentifrice. *J. Clin. Dent.* **22**, 139-143 (2011).