

Literaturverzeichnis

Thema: Malnutrition im Senium als Ursache und Folge einer Störung des oralen Mikrobioms

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- (1) Algra Y, Haverkort E, Kok W, van Etten Jamaludin F, vanSchoot L, Hollaar V, Naumann E, van der Schueren M, Jerković-Ćosić K. The Association between Malnutrition and oral health in older People: A systematic review. *Nutrients*. 2021 Oct 13;13(10):3584. doi: 10.3390/nu13103584
- (2) Alice Kit Ying Chan , Yiu Cheung Tsang , Chloe Meng Jiang , Katherine Chiu Man Leung , Edward Chin Man Lo , Chun Hung Chu. Diet, nutrition, and oral Health in older adults: A review of the literature. *Dent J (Basel)*. 2023 Sep 19;11(9):222. doi: 10.3390/dj11090222
- (3) Baker JL, Mark Welch JL, Kauffman KM, et al. The oral microbiome: diversity, biogeography and human health. *Nat Rev Microbiol*. 2024;22:89–104. doi: 10.1038/s41579-023-00963-6
- (4) Benoit J Kunath BJ, De Rudder C, Laczny CC , Letellier E, Wilmes P. The oral-gut microbiome axis in health and disease. *Nat Rev Microbiol*. 2024 Dec;22(12):791-805. doi:10.1038/s41579-024-01075-5. Epub 2024 Jul 22.
- (5) Dent E, Wright ORL, Woo J, Hoogendijk EO. Malnutrition in older Adults. *Lancet*. 2023;401:951–966. doi: 10.1016/S0140-6736(22)02612-5.
- (6) Drożak M, Drożak P, Dziekońska J, Nowińska M. Xerostomia among elderly patients – systematic review. *Journal of Education Health and Sport* 11(9):289-297;September 2021 doi:10.12775/JEHS.2021.11.09.035
- (7) Gendreau L, Loewy ZG. Epidemiology and etiology of denture stomatitis. *J. Prosthodont*. 2011;20:251–260. doi: 10.1111/j.1532-849X.2011.00698.x. [DOI] [PubMed] [Google Scholar]
- (8) He J, Li Y, Cao Y, Xue J, Zhou X. The oral microbiome diversity and its relation to human diseases. *Folia Microbiol*. 2015;60:69–80. doi: 10.1007/s12223-014-0342-2. [DOI] [PubMed]
- (9) Lamont RJ, Koo H, Hajishengallis G. The oral microbiota: dynamic communities and host interactions. *Nat Rev Microbiol*. 2018;16:745–759
- (10) Lettieri M, Rosa A, Spatar F, Capria G, Barnaba P, Gargari M, Martelli M. Chewing matters: masticatory function, oral microbiota, and gut health in the nutritional management of aging. *Open Acces. Nutrients* 2025, 17(15), 2507; <https://doi.org/10.3390/nu17152507>

- (11) Li C, Fan Y, Chen X. Oral microbiota–driven immune modulation along the oral–gut axis: from local signals to systemic inflammation. *npj Biofilms and Microbiomes* , Article number: (2026) doi: <https://doi.org/10.1038/s41522-026-00912-0>
- (12) Martin L.E, Gutierrez V.A, Ann-Marie Torregrossa A.M. The role of saliva in taste and food intake. *Physiology & Behavior* Vol. 262, 1 April 2023, 114109
- (13) Medeiros AMM, Pacheco de Araújo RC, Marques Borges AF, Soares de Sousa S.E, de Araujo MC, Magalhães Junior HV, RV, Taveira KVM. Relationship between mastication and malnutrition in community-dwelling older adults: a meta-analysis. *Codas*. 2024 May 31;36(4):e20230209. doi: 10.1590/2317-1782/20242023209en
- (14) Pereira-Cenci T, da Silva WJ, Cenci MS, Cury AA. Temporal changes of denture plaque microbiologic composition evaluated in situ. *Int J Prosthodont*. 2010 May-Jun;23(3):239-42.PMID: 20552089Clinical Trial
- (15) Pilotto A, Franceschi M, Leandro G, Scarcelli C, D'Ambrosio LP, Seripa D, Perri F, Niro V, Paris F, Andriulli A, Di Mario F. Clinical features of reflux esophagitis in older people: a study of 840 consecutive patients. *J Am Geriatr Soc*. 2006 Oct;54(10):1537-42.doi: 10.1111/j.1532-5415.2006.00899.x.
- (16) Richter JE. Gastroesophageal reflux disease in the older patient: presentation, treatment, and complications. *Am J Gastroenterol*. 2000 Feb;95(2):368-73. doi: 10.1111/j.1572-0241.2000.t01-1-01791.x.
- (17) Santonocito S, Giudice A, Polizzi A, Troiano G, Merlo EM, Scalafani R, Grosso G, Isola GAA. Cross talk between diet and oral microbiome: Balance of nutrition on inflammation and immune system's response during periodontitis. *Nutrients* 2022; 14, 2426
- (18) Sedghi L., DiMassa V, Harrington A, Lynch SV, L Kapila Y. The oral microbiome: Role of key organisms and complex networks in oral health and disease. *Periodontol* 2000. 2021 Oct;87(1):107-131.doi: 10.1111/prd.12393.
- (19) Seenivasan Madhan Kumar, Shanmuganathan Natarajan , Sridharan Ks, Senthil Kumar Sundarajan , Parthasarathy Natarajan , A Selva Arockiam. Dentures and the oral microbiome: Unraveling the hidden impact on edentulous and partially edentulous patients - a systematic review and meta-analysis. *Evid Based Dent*. 2025 Sep;26(3):150. doi: 10.1038/s41432-025-01149-0. Epub 2025 May 29
- (20) Teughels W, Van Assche N, Sliepen I, Quirynen M. 2006. Effect of material characteristics and/or surface topography on biofilm development. *Clin Oral Implants Res* 17(Suppl 2):68–81. doi: 10.1111/j.1600-0501.2006.01353.x. [\[DOI\]](#) [\[PubMed\]](#) [\[Google Scholar\]](#)

- (21) Tomaszewicz A, Polański J, Tański W. Advancing the understanding of malnutrition in the elderly population: Current insights and future directions. *Nutrients* 2024 Jul 31;16(15):2502. doi: 10.3390/nu16152502
- (22) Wang X, Hu J, Wu D. Risk factors for frailty in older adults. *Medicine (Baltimore)*. 2022;101(34):e30169. <https://doi.org/10.1097/MD.00000000000030169>.)
- (23) Wang B, Han J, Elisseff JH, Demaria M. The senescence-associated secretory phenotype and its physiological and pathological implications. *Nat Rev Mol Cell Biol*. 2024 Dec;25(12):958-978. doi: 10.1038/s41580-024-00727-x. Epub 2024 Apr 23.
- (24) Wade W.G. The oral microbiome in health and disease. *Pharmacol. Res.* 2013;69:137–143. doi: 10.1016/j.phrs.2012.11.006. [DOI] [PubMed] [Google Scholar]
- (25) Zijun Yue, Chunhao Li, Fangxu Yan, Shuwen Guan, Yue Fan, Xingming Chen. The oral microbiome in aging: a window into health and longevity. *J Oral Microbiol*. 2025 Dec 1;17(1):2589648 doi: 10.1080/20002297.2025.2589648.