

**Speichel als Garant einer widerstandsfähigen Immunabwehr im Mund**

- [1] Pedersen AML, Sørensen CE, Dynesen AW, Jensen SB. Salivary Gland Structure and Functions and Regulation of Saliva Secretion in Health and Disease. In: Salivary Glands: Anatomy, Functions in Digestion and Role in Disease. Louis Braxton and Simone Quinn (eds). Nova Science Publishers Inc. New York, 2012; pp 1–44.
- [2] Pedersen AML, Sørensen CE, Dynesen AW, Jensen SB. Salivary Gland Structure and Functions and Regulation of Saliva Secretion in Health and Disease. In: Salivary Glands: Anatomy, Functions in Digestion and Role in Disease. Louis Braxton and Simone Quinn (eds). Nova Science Publishers Inc. New York, 2012; pp 1–44.
- [3] Zarco MF, et al. The oral microbiome in health and disease and the potential impact on personalized dental medicine. *Oral Dis* 2012; 18:109–120.
- [4] Van't Hof W, et al. Antimicrobial defence systems in saliva. *Monogr Oral Sci* 2014; 24:40–51.
- [5] Frenkel E & Ribbeck K. Salivary mucins protect surfaces from colonization by cariogenic bacteria. *Appl Environ Microbiol* 2015; 81:332–8.
- [6] Pedersen AM, et al. Saliva and gastrointestinal functions of taste, mastication, swallowing and digestion. *Oral Dis* 2002; 8:117–29.
- [7] Abusleme L, et al. The subgingival microbiome in health and periodontitis and its relationship with community biomass and inflammation. *ISME J* 2013; 7:1016–1025.
- [8] Van't Hof W, et al. Antimicrobial defence systems in saliva. *Monogr Oral Sci* 2014; 24:40–51.

**Mundtrockenheit? Fluoridschutz für die Zähne**

- [1] Porter J, Ntuova A, Read A, Murdoch M, Ola D, Tsakos G: The impact of oral health on the quality of life of nursing home residents. *Health and quality of life of nursing home residents* 13, 102 (2015). doi: 10.1186/s12955-015-0300-y.
- [2] Mercadante S, Aielli F, Adile C, Ferrera P, Valle A, Fusco F, Caruselli A, Cartoni C, Massimo P, Masedu F, Valenti M, Porzio G: Prevalence of oral mucositis, dry mouth, and dysphagia in advanced cancer patients. *Support Care Cancer* 23, 3249–3255 (2015). doi: 10.1007/s0050-015-2720-y.
- [3] Plemons JM, Al-Hashimi I, Marek CL, American Dental Association Council on Scientific Affairs: Managing xerostomia and salivary gland hypofunction. *JADA* 145, 867–873 (2014).
- [4] Edgar WM, O`Mullane DM (Hrsg): *Saliva and oral health*. BDJ 1996; Second Edition.
- [5] BARMER GEK Arzneimittelreport 2013. [www.barmer-gek.de/543661](http://www.barmer-gek.de/543661)
- [6] Turner MD, Ship JA: Dry mouth and its effects on the oral health of elderly people. *JADA* 138, 15S-20S (2007).
- [7] Fischer K: *Wissenschaftliche Dokumentation Fluor Protector S*. Ivoclar Vivadent (2013).
- [8] Fischer K: *Wissenschaftliche Dokumentation Fluor Protector Gel*. Ivoclar Vivadent (2010).

- [1] Agueda A, Ramón JM, Manau C, Guerrero A, Echeverría JJ. Periodontal disease as a risk factor for adverse pregnancy outcomes: a prospective cohort study. *J Clin Periodontol* 2008;35:16–22.
- [2] Amar S, Chung KM. Influence of hormonal variation on the periodontium in women. *Periodontology* 2000;79 (1994).
- [3] American Academy of Pediatric Dentistry. Policy on early childhood caries: classifications, consequences and preventive strategies. 2014. [www.aapd.org/media/Policies\\_Guidelines/P\\_ECCClassifications.pdf](http://www.aapd.org/media/Policies_Guidelines/P_ECCClassifications.pdf)
- [4] American Academy of Pediatric Dentistry. Guideline on perinatal oral health care. Reference Manual 2011;33:118–123.
- [5] BZÄK, KZBV. Zahnärztliche Arzneiverordnung in Schwangerschaft und Stillzeit. [http://www.bzaek.de/fileadmin/PDFs/za/AKZ/10\\_01Zahnaerztliche\\_ArzneiVO\\_in\\_der\\_Schwangerschaft.pdf](http://www.bzaek.de/fileadmin/PDFs/za/AKZ/10_01Zahnaerztliche_ArzneiVO_in_der_Schwangerschaft.pdf) (2010).
- [6] Caufield PW, Cutter GR, Dasanayake AP. Initial acquisition of mutans streptococci by infants: evidence for a discrete window of infectivity. *J Dent Res* 1993;72:37–45.
- [7] CDA Foundation. Oral Health During Pregnancy & Early Childhood: Evidence-Based Guidelines for Health Professionals. Sacramento, CA: CDA Foundation (2010).
- [8] Chambrone L, Guglielmetti MR, Pannuti CM, Chambrone LA. Evidence grade associating periodontitis to preterm birth and/or low birth weight. I. A systematic review of prospective cohort studies. *J Clin Periodontol* 2011;38: 795–808.
- [9] Chambrone L, Pannuti CM, Guglielmetti MR, Chambrone LA. Evidence grade associating periodontitis with preterm birth and/or low birth weight: II: a systematic review of randomized trials evaluating the effects of periodontal treatment. *J Clin Periodontol* 2011;38:902–914.
- [10] Collins JG, Windley HW, Arnold RR et al. Effects of a porphyromonas gingivalis infection on inflammatory mediator response and pregnancy outcome in hamsters. *Infect Immun* 1994;199462:4256.
- [11] Collins JG, Smith MA, Arnold RR et al. Effects of Escherichia coli and porphyromonas gingivalis lipopolysaccharide on pregnancy outcome in the golden hamster. *Infect Immun* 1994;62:4652.
- [12] Collins JG, Kirtland BC, Arnold RR et al.: Experimental periodontitis retards hamster fetal growth. *J Dent Res* 1995;74:158.
- [13] Davenport ES, Williams CE, Sterne CS et al. Maternal periodontal disease and preterm low birth weight: Case-control study. *J Dent Res* 2002;81:313.
- [14] DGMZK Stellungnahme 2007. Parodontale Erkrankungen während der Schwangerschaft: Besteht Behandlungsbedarf? [http://www.dgzmk.de/uploads/tx\\_szdgzmkdocuments/Parodontale\\_Erkrankungen\\_waehrend\\_der\\_Schwangerschaft\\_Besteht\\_Behandlungsbedarf.pdf](http://www.dgzmk.de/uploads/tx_szdgzmkdocuments/Parodontale_Erkrankungen_waehrend_der_Schwangerschaft_Besteht_Behandlungsbedarf.pdf)
- [15] DGZMK Stellungnahme 1994. Zahnärztliche Behandlung in der Schwangerschaft. [http://www.dgzmk.de/uploads/tx\\_szdgzmkdocuments/Zahnaerztliche\\_Behandlung\\_in\\_der\\_Schwangerschaft\\_2001.pdf](http://www.dgzmk.de/uploads/tx_szdgzmkdocuments/Zahnaerztliche_Behandlung_in_der_Schwangerschaft_2001.pdf)
- [16] Dortbudak O, Eberhardt R, Ulm M, Persson GR. Periodontitis, a marker of risk in pregnancy for preterm birth. *J Clin Periodontol* 2005;32:45–52.
- [17] Ebersole JL, Steffen MJ, Holt SC, Kesavalu L, Chu L, Cappelli D. Potential pathogenic mechanisms of periodontitis associated pregnancy complications. *Clin Exp Immunol* 2010;162:550–559.
- [18] European Academy of Pediatric Dentistry. Guidelines on prevention of early childhood caries – An EAPD policy document 2008. [www.eapd.gr/dat/1722F50D/file.pdf](http://www.eapd.gr/dat/1722F50D/file.pdf)
- [19] Fardini Y, Chung P, Dumm R, Joshi N, Han YW. Transmission of diverse oral bacteria to murine placenta: evidence for the oral microbiome as a potential source of intrauterine infection. *Infect Immun* 2010;78:1789–1796.

- [20] Figuero E, Carrillo-de-Albornoz A, Herrera D, Bascones-Martínez A. Gingival changes during pregnancy: Influence of hormonal variations on clinical and immunological parameters. *J Clin Periodontol* 2010;37:220–229.
- [21] Finucane D. Rationale for restoration of carious primary teeth: a review. *Eur Arch of Paediatr Dent* 2012;13:281–292.
- [22] George A, Johnson M, Blinkhorn A, Ellis S, Bhole S, Ajwani S. Promoting oral health during pregnancy: current evidence and implications for Australian Midwives. *J Clin Nurs* 2010;19:3324–3333.
- [23] Giglio JA, Lanni SM, Laskin DM, Giglio NW: Oral health care for the pregnant patient. *J Can Dent Assoc* 2009;75:43–48.
- [24] Gürsoy M, Pajukanta R, Sorsa T, Könönen E. Clinical changes in periodontium during pregnancy and post-partum. *J Clin Periodontol* 2008;35:576–583.
- [25] Han YW, Redline RW, Li M, Yin L, Hill GB, McCormick TS. *Fusobacterium nucleatum* induces premature and term stillbirths in pregnant mice: implication of oral bacteria in preterm birth. *Infect Immun* 2004;72:2272–2279.
- [26] Hellwig E, Schiffner U, Schulte A. Fluoride treatment for caries prevention. Guideline of the German association for dental, oral and maxillofacial health. <http://www.dgzmk.de/zahnaerzte/wissenschaftsforschung/leitlinien/details/document/fluoridierungsmassnahmen-s3-2.html> (2013).
- [27] Jeffcoat MK, Geurs NC, Reddy MS, et al. Periodontal infection and preterm birth: results of a prospective study. *J Am Dent Assoc* 2001;132:875.
- [28] Jeffcoat MK, Hauth JC, Geurs NC, et al. Periodontal disease and preterm birth: Results of a pilot intervention study. *J Periodontol* 2003;76:1214.
- [29] Kassenzahnärztliche Bundesvereinigung (KZBV). Pressemitteilung vom 25.09.2015 <http://www.kzbv.de/pressemitteilung-vom-25-09-2015.967.de.html>
- [30] Khader YS, Taàni Q. Periodontal diseases and the risk of preterm birth and low birth weight: A meta-analysis. *J Periodontol* 2005;76:161.
- [31] Kinane, D.F., Riggio M.P., Walker, K.F., MacKenzie, D. & Shearer, B. Bacteremia following periodontal procedures. *J Clin Periodontol*. 2005;32:708-713.
- [32] Kornman KS, Loesche WJ. The subgingival microbial flora during pregnancy. *J Periodontal Res* 1980;15:111.
- [33] Kumar J, Samuelson R. Oral health care during pregnancy and early childhood: practice guidelines. *N Y State Dent J* 2009;75:29–33.
- [34] Lafaurie GJ. Gingival tissue and pregnancy. In: Panagakos F. *Gingival diseases – their aetiology, prevention and treatment*. InTech 2011:101–120.
- [35] Lafaurie GI, Mayorga-Fayad I, Torres MF, Castillo DM, Aya MR, Barón A, Hurtado PA. Periodontopathic microorganisms in peripheric blood after scaling and root planing. *J Clin Periodontol* 2007;34:873–879.
- [36] Laine MA. Effect of pregnancy on periodontal and dental health. *Acta Odontol Scand* 2002;60:257–64.
- [37] León R, Silva N, Ovalle A, Chaparro A, Ahumada A, Gajardo M, Martínez M, Gamonal J. Detection of *Porphyromonas gingivalis* in the amniotic fluid in pregnant women with a diagnosis of threatened premature labor. *J Periodontol* 2007;78:1249–1255.
- [38] Leong PM, Gussy MG, Barrow SYL, Silva-Sanigorski A, Waters E. A systematic review of risk factors during first year of life for early childhood caries. *Int J Paediatr Dent* 2013;23:235-250.
- [39] López NJ, Da Silva I, Ipinza J, Gutiérrez J. Periodontal therapy reduces the rate of preterm low birth weight in women with pregnancy-associated gingivitis. *J Periodontol* 2005;76:2144–2153.
- [40] López NJ, Smith PC, Gutierrez J. Periodontal therapy may reduce the risk of preterm low birth weight in women with periodontal disease: a randomized controlled trial. *J Periodontol* 2002;73:911-924.
- [41] Mobley C, Marshall T, Milgrom P, et al: The contribution of dietary factors to dental caries and disparities in caries. *Acad Pediatr* 2009:410–415.
- [42] Michalowicz BS, Hodges JS, Novak MJ et al. Change in periodontitis during

- pregnancy and the risk of pre-term birth and low birthweight. *J Clin Periodontol* 2009;36:308–314.
- [43] Moore S, Randhawa M, Ide M. A case-control study to investigate an association between adverse pregnancy outcome and periodontal disease. *J Clin Periodontol* 2005;32:1.
- [44] Moreu G, Téllez L, González-Jaranay M: Relationship between maternal periodontal disease and low-birth-weight pre-term infants. *J Clin Periodontol* 2005;32:622–627.
- [45] Newnham JP, Newnham IA, Ball CM, Wright M, Pennell CE, Swain J, Doherty DA. Treatment of periodontal disease during pregnancy: a randomized controlled trial. *Obstet Gynecol* 2009;114:1239–1248.
- [46] Noack B, Klingenberg J, Weigelt J, Hoffmann T. Periodontal status and preterm low birth weight: a case control study. *J Periodont Res* 2005;40:339.
- [47] Offenbacher S, Katz V, Fertik G, et al. Periodontal infection as possible risk factor for preterm low birth weight. *J Periodontol* 1996;67:1103.
- [48] Offenbacher S, Jared HL, O'Reilly PG, et al.: Potential pathogenic mechanisms of periodontitis-associated pregnancy complications. *Ann Periodontol* 1998;3:233.
- [49] Offenbacher S, Beck JD, Jared HL, Mauriello SM, Mendoza LC, Couper DJ, et al. Maternal Oral Therapy to Reduce Obstetric Risk (MOTO R) investigators. Effects of periodontal therapy on rate of preterm delivery: a randomized controlled trial. *Obstet Gynecol* 2009;114:551–559.
- [50] Offenbacher S, Jared HL, O'Reilly PG, Wells SR, Salvi GE, Lawrence HP, et al. Systemic inflammatory responses in progressing periodontitis during pregnancy in a baboon model. *Ann Periodontol* 1998;3:233–250.
- [51] Offenbacher S, Lin D, Strauss R, McKaig R, Irving J, Barros SP, Moss K, Barrow DA, Hefti A, Beck JD. Effects of periodontal therapy during pregnancy on periodontal status, biologic parameters, and pregnancy outcomes: a pilot study. *J Periodontol* 2006;77:2011–2024.
- [52] Oral Health Care During Pregnancy Expert Workgroup. Oral Health Care during Pregnancy: A National Consensus Statement. Washington, DC: National Maternal and Child Oral health Resource Center (2012).
- [53] Pihlstrom BL, Michalowicz BS, Johnson NW. Periodontal diseases. *Lancet* (2005).
- [54] Pitiphat W, Joshupura KJ, Gillman MW, Williams PL, Douglass CW, Rich-Edwards JW. Maternal periodontitis and adverse pregnancy outcomes. *Community Dent Oral Epidemiol* 2008;36:3–11.
- [55] Polyzos NP, Polyzos IP, Mauri D, Tzioras S, Tsappi M, Cortinovia I, Casazza G. Effect of periodontal disease treatment during pregnancy on preterm birth incidence: a metaanalysis of randomized trials. *Am J Obstet Gynecol* 2009;200:225–232.
- [56] Polyzos NP, Polyzos IP, Zavos A, Valachis A, Mauri D, Papanikolaou EG, Tzioras S, Weber D, Messinis IE. Obstetric Outcomes after treatment of periodontal disease during pregnancy: systematic review and meta-analysis. *BMJ* 29; 341: c7017 (2010).
- [57] Raber-Durlacher JE, van Steenberghe TJ, Van der Velden U, de Graaff J, Abraham-Inpijn L. Experimental gingivitis during pregnancy and post-partum: clinical, endocrinological, and microbiological aspects. *J Clin Periodontol* 1994;21:549–558.
- [58] Ratka-Krüger P, Kunze M, Schacher B, Deimling D: Konzeptreihe „Parodontale Medizin“ – Parodontale Erkrankungen während der Schwangerschaft. *Parodontologie* 2006;17:211–217.
- [59] Richtlinien des Gemeinsamen Bundesausschusses über die ärztliche Betreuung während der Schwangerschaft und nach der Entbindung („Mutterschafts-Richtlinien“). *Bundesanzeiger AT* 27.06.2014 B3.  
[https://www.g-ba.de/downloads/62-492-1080/Mu-RL\\_2015-08-20\\_iK-2015-11-10.pdf](https://www.g-ba.de/downloads/62-492-1080/Mu-RL_2015-08-20_iK-2015-11-10.pdf)
- [60] Rieken SE, Terezhalmay GT. The pregnant and breast-feeding patient. *Quintessence Int* 2006;37:455–468.
- [61] Saddki N, Bachok N, Hussain NH, Zainudin SL, Sosroseno W. The association between maternal periodontitis and low birth weight infants among Malay women. *Community Dent Oral Epidemiol* 2008;36:296–304.

- [62] Silk H, Douglass AB, Douglass JM, Silk L. Oral health during pregnancy. *Am Fam Physician* 2008;77:1139–1144.
- [63] Thomas N, Middleton P, Crowther C. Oral and dental health care practices in pregnant women in Australia: a postnatal survey. *BMC Pregnancy Childbirth* 2008;8:13.
- [64] Vadiakas G. Case definition, aetiology and risk assessment of early childhood caries: a revisited review. *Eur Arch Paediatr Dent* 2008;9:114–125.
- [65] Vergnes JN, Pastor-Harper D, Constantin S, Bedos C, Kaminski M, Nabet C, et al. Perceived oral health and the use of dental services during pregnancy: the MaterniDent study. *Sante Publique* 2013;25:281–292.
- [66] Vergnes JN, Sixou M: Preterm low birth weight and maternal periodontal status: a meta-analysis. *Am J Obst Gynecol* 2007;196:135.el.-7.
- [67] Wu M, Chen SW, Jiang SY: Relationship between Gingival Inflammation and Pregnancy. Review. *Mediators of Inflammation*, Article ID 623427, <http://dx.doi.org/10.1155/2015/623427> (2015).
- [68] Xiong X, Buekens P, Fraser WD, Beck J, Offenbacher S. Periodontal disease and adverse pregnancy outcomes: a systematic review. *Brit J Obst Gyn* 2006;113:135–143.
- [69] Xiong X, Buekens P, Vastardis S, Yu SM. Periodontal disease and pregnancy outcomes: state-of-the-science. *Obstet Gynecol Surv* 2007;62: 605–15.
- [70] Yeo A, Smith MA, Lin D, Riché EL, Moore A, Elter J, Offenbacher S: *Campylobacter rectus* mediates growth restriction in pregnant mice. *J Periodontol* 2005;76:551–557.