

- [1] Quirynen M, Bollen CML: The influence of surface roughness and surface-free energy on supra- and subgingival plaque formation in man. *J Clin Periodontol* 1995; 22: 1–14.
- [2] Löe H, Theilade E, Jensen SB: Experimental gingivitis in man. *J Periodontol* 1965; 36: 177–187.
- [3] Axelsson P, Lindhe J: Effect of controlled oral hygiene procedures on caries and periodontal diseases in adults. *J Clin Periodontol* 1981; 8: 239–248.
- [4] Axelsson P: Preventive materials, methods, and programs. Quintessence Publishing Co., Inc. 2004.
- [5] Toijanic JA, Ward CB, Gwerth, ME, Banakis ML: A longitudinal clinical comparison of plaque-induced inflammation between gingival and peri-implant soft tissues in the maxilla. *J Periodontol* 2001; 72: 1139–1145.
- [6] Stokey GK, Schemehorn BR: A method for assessing the relative abrasion of prophylaxis materials. *J Dent Res* 1979; 58: 588–592.
- [7] González-Cabeza C: Determination of the abrasivity of dentifrices on human dentin using the radioactive (also known as relative) dentin abrasion (RDA) method. *J Clin Res* 2010; 21 (Suppl): S9–S10.
- [8] Bose M, Ott KHR: Abrieb, Aufrauhung und Glättung von Kompositen durch Prophylaxepasten in vitro. *Dtsch Zahnärztl Z* 1996; 51: 690–693.
- [9] Jaeger R, Deissenbeck M, Jaeger D, Soltész U: Abrieb von Dentalersatzwerkstoffen durch Prophylaxepasten. *Quintessenz* 2005; 56 (1): 61–65.
- [10] Rühling A, Wulf J, Schwahn C, Kocher T: Surface wear on cervical restorations and adjacent enamel and root cementum caused by simulated longterm-maintenance therapy. *J Clin Periodontol* 2004; 31: 293–298.
- [11] Lendenmann U, David G, Gigerl S, Schwenninger M, Roulet JF: Oberflächeneffekte von Prophy-Pasten auf Komposite. *Prophylaxe impuls* 2011; 2: 71–76.
- [12] Yazici AR, Antonson DE, Campillo M, Antonson SA, Karaman E, Munoz C: Effect of prophylactic pastes on ceramic surface roughness. *J Dent Res* 2012; 91 (Spec Iss A): 1059.
- [13] Kneist S: Plaquekontrolle mit Chlorhexidin. *ZWR* 2011; 120: 156–167.
- [14] Twetman S, Hallgren A, Sköld K, Modéer T: Effect of a chlorhexidine-containing varnish on gingival inflammation. *J Dent Res* 1997; 76: 234.
- [15] Besimo CE, Guindy JS, Lewetag D, Besimo RH, Meyer J: Marginale Passgenauigkeit und Bakteriendichtigkeit von verschraubten implantatgetragenen Suprastrukturen. *Parodontologie* 2000; 3: 217–229.
- [16] Fischer K, Sbicego S: Wissenschaftliche Dokumentation Cervitec Plus. Ivoclar Vivadent 2010.
- [17] Watzke R, Blankenstein F, Huwig A: Durch Anwendung eines Chlorhexidinpräparats unterstützte konventionelle Therapie einer Prothesenstomatitis. *Quintessenz* 2009; 60: 425–434.
- [18] Fischer K, Sbicego S: Wissenschaftliche Dokumentation Cervitec Gel. Ivoclar Vivadent 2010.
- [19] Fischer K: Wissenschaftliche Dokumentation Cervitec Liquid. Ivoclar Vivadent 2010.

CAD/CAM-Komposite chairside reparieren – aber wie?

- [1] Edelhoff D, Beuer F, Schweiger J, Brix O, Stimmelmayr M, Güth JF (2012) CAD/CAM-generated high-density polymer restorations for the pretreatment of complex cases: A case report. *Quintessence Int* 43: 457–467.
- [2] Rocca G, Bonnafous F, Rizcalla N, Krejci I (2010) A technique to improve the esthetic aspect of CAD/CAM composite resin restorations. *J Prosthet Dent* 1004: 273–275.
- [3] Nguyen J, Mogonney V, Ruse ND, Sadoun M (2012) Resin composite blocks via high-pressure high-temperature polymerization. *Dent Mater* 28: 529–534.
- [4] Alt V, Hannig M, Wöstmann B, Balkenhol M (2011) Fracture strength of temporary fixed partial dentures CAD/CAM versus directly fabricated restorations. *Dent Mater* 27: 339–347.
- [5] Balkenhol M, Mautner MC, Ferger P, Wöstmann B (2008) Mechanical properties of provisional crown and bridge materials: chemical-curing versus dual curing systems. *J Dent* 36: 15–20.
- [6] Göncü Basaran E, Ayna E, Vallitu PK, Lassila LV (2011) Load-bearing of handmade and computer-aided design-computer-aided manufacturing-fabricated tree-unit fixed dental prostheses of particulate filler composite. *Acta Odontol Scand* 69: 144–150.
- [7] Stawarczyk B, Ender A, Trottman A, Özcan M, Fischer J, Hämmelerle CH (2012) Load-bearing capacity of CAD/CAM milled polymeric three-unit fixed dental prostheses. Effect of aging regimens. *Clin Oral Investig* 16: 1669–1677.
- [8] Stawarczyk B, Sener B, Trottman A, Roos M, Özcan M, Hämmelerle CH (2012) Discoloration of manually fabricated resins and industrially fabricated CAD/CAM blocks versus glass-ceramic: Effect of storage media, duration and subsequent polishing. *Dent Mater* 31: 377–383.
- [9] Stawarczyk B, Özcan M, Roos M, Schmutz F, Trottman A, Hämmelerle CHF (2013) Two-body wear rate of CAD/CAM resin blocks and their enamel antagonists. *J Prosthet Dent* 109: 325–332.
- [10] Schweiger J, Neumeier P, Stimmelmayr M, Beuer F, Edelhoff D (2013) Macro-retentive replaceable veneers on crowns and fixed dental prostheses: a new approach in implant-prosthodontics. *Quintessence Int* 44: 341–349.
- [11] Lin CL, Chang YH, Liu PR (2008) Multi-factorial analysis of a cusp-replacing adhesive premolar restoration: A finite element study. *J Dent* 36: 194–203.
- [12] Krämer N, Kunzelmann KH, Taschner M, Mehl A, Garcia-Godoy F, Frankenberger R (2006) Antagonist enamel wears more than ceramic inlays. *J Dent Res* 85: 1097–1100.
- [13] Giordano R. Materials for chairside CAD/CAM-produced restorations (2006) *J Am Dent Ass* 137: 14–21.
- [14] Attia A, Abdelaziz KM, Freitag S, Kern M (2006) Fracture load of composite resin and feldspathic all-ceramic CAD/CAM crowns. *J Prosthet Dent* 95: 117–123.
- [15] Magne P, Knezevic A (2009) Simulated fatigue resistance of composite resin versus porcelain CAD/CAM overlay restorations on endodontically treated molars. *Quintessence Int* 40: 125–133.
- [16] Hickel R, Brüshaver K, Ilie N (2013) Repair of restorations-criteria for decision making and clinical recommendations. *Dent Mater* 29: 28–50.
- [17] Stawarczyk B, Basler T, Ender A, Roos M, Özcan M, Hämmelerle C (2012) Effect of surface conditioning with airborne-particle abrasion on the tensile strength of polymeric CAD/CAM crowns luted with self-adhesive and conventional resin cements. *J Prosthet Dent* 107: 94–101.

- [18] Bähr N, Keul C, Edelhoff D, Eichberger M, Roos M, Gernet W, Stawarczyk B (2013) Effect of different adhesives combined with two resin composite cements on shear bond strength to polymeric CAD/CAM materials. *Dent Mater J* 32: 492–501.
- [19] Keul C, Martin A, Wimmer T, Roos M, Gernet W, Stawarczyk B (2013) Tensile bond strength of PMMA- and composite-based CAD/CAM materials to luting cements after different conditioning methods. *Int J Adhes Adhes* 46: 122–127.
- [20] Stawarczyk B, Trottmann A, Hämmelerle CH, Özcan M (2013) Adhesion of veneering resins to polymethylmethacrylate-based CAD/CAM polymers after various surface conditioning methods. *Acta Odontol Scand* 71: 1142–1148.
- [21] Ilie N, Oberthur MT (2013) Effect of sonic-activated resin composites on the repair of aged substrates: an in vitro investigation. *Clin Oral Investig*.
- [22] Marshall SJ, Bayne SC, Baier R, Tomsia AP, Marshall GW (2010) A review of adhesion science. *Dent Mater* 26: e11–e16.
- [23] Naves LZ, Soares CJ, Moraes RR, Goncalves LS, Sinhoreti MA, Correr-Sobrinho L (2010) Surface/interface morphology and bond strength to glass ceramic etched for different periods. *Oper Dent* 35: 420–427.
- [24] Pereira SG, Fulgencio R, Nunes TG, Toledano M, Osorio R, Carvalho RM (2010) Effect of curing protocol on the polymerization of dual-cured resin cements. *Dent Mater* 26: 710–718.
- [25] Amaral M, Belli R, Cesar PF, Valandro LF, Petschelt A, Lohbauer U (2014) The potential of novel primers and universal adhesives to bond to zirconia. *J Dent* 42: 90–98.
- [26] De Munck J, Arita A, Shirai K, Van Landuyt KL, Coutinho E, Poitevin A, Lambrechts P, Van Meerbeek B (2007) Microrotary fatigue resistance of a HEMA-free all-in-one adhesive bonded to dentin. *J Adhes Dent* 9: 373–379.
- [27] Torstenson B, Brannstrom M (1988) Contraction gap under luting restorations: effect of hygroscopic expansion and thermal stress. *Oper Dent* 13: 24–31.
- [28] Piwowarczyk A, Lauer HC, Sorensen (2004) In vitro shear bond strength of cementing agents to fixed prosthodontic restorative materials. *J Prosthet Dent* 92: 265–273.
- [29] Palmer DS, Barco MT, Billy EJ (1992) Temperature extremes produced orally by hot and cold liquids. *J Prosthet Dent* 67: 325–327.
- [30] Longman CM, Pearson CJ (1984) Variation in temperature of the oral cavity during the imbibition of hot and cold fluids [special issue]. *J Dent Res* 63: 521, Abstract No. 283.
- [31] Boehm RF Thermal environment of teeth during open mouth respiration. *J Dent Res* 51: 75–78.
- [32] Kelly JR, Benetti P, Rungruanganunt P, Bona AD (2012) The slippery slope: critical perspectives on in vitro research methodologies. *Dent Mater* 28: 41–51.

Parodontitis und Periimplantitis – rechtzeitig erkennen und erfolgreich therapieren

- [1] Amano, A.: Host-parasite interactions in periodontitis: microbial pathogenicity and innate immunity. *Periodontology* 2000 54, 9–14 (2010).
- [2] Asikainen, S., Chen, C., Alaluusua, S., Slots, J.: Can one acquire periodontal bacteria and periodontitis from a family member? *JADA* 128, 1263–1271 (1997).
- [3] Callan, D.P., Cobb, C.M., Williams, K. B.: DNA probe identification of bacteria colonizing internal surfaces of the implant-abutment interface: a preliminary study. *J Periodontol* 7, 115–120 (2005).
- [4] Ezzo, P., Cutler, C.W.: Microorganisms as risk indicators for periodontal disease. *Periodontol.* 2000, 32, 24–35 (2003).
- [5] Feng, Z., Weinberg, A.: Role of bacteria in health and disease of periodontal tissues. *Periodontology* 2000 40, 50–76 (2006).
- [6] Fine, D.H., Kaplan, J.B., Kachlany, S.C., Schreiner, H.C.: How we got attached to *Actinobacillus actinomycetemcomitans*: a model for infectious diseases. *Periodontology* 2000, 42, 114–157 (2006).
- [7] Grönroos, L., Päivärinta, M., Asikainen, S., Saarela, M., Luoma, M.-R., Alaluusua, S.: *Actinobacillus actinomycetemcomitans* in young children and their mothers. *J Dent Res* 74, 587 (1995).
- [8] Holt, S.C., Ebersole, J. L.: *Porphyromonas gingivalis*, *Treponema denticola*, and *Tannerella forsythia*: the “red complex”, a prototype polybacterial pathogenic consortium in periodontitis. *Periodontology* 2000, 38, 72–122 (2005).
- [9] Kinane, D.F., Bartold, P.M.: Clinical relevance of the host responses of periodontitis. *Periodontology* 2000, 41, 1–16 (2006).
- [10] Könönen, S., Saarela, M., Karjalainen, J., Jousimies-Somer, H., Asikainen, S.: The oral gram-negative anaerobic flora in young children: longitudinal changes from edentulous to dentate mouth. *Oral Microbiol Immunol* 9, 136–141 (1994).
- [11] Kolenbrander, P.E., Palmer, R.J., Rickard, A.H., Jakubovics, N.S., Chalmers, N.I., Diaz, P.I.: Bacterial interactions and successions during plaque development. *Periodontology* 2000, 42, 47–79 (2006).
- [12] Kornman, K.S., Crane, A., Wang, H.Y., di Giovine, F.S., Newman, M.G., Pirk, F.W., Wilson, T.G. Jr, Higginbottom, F.L., Duff, G.W.: The interleukin-1 genotype as a severity factor in adult periodontal disease. *J Clin Periodontol.*, 24(1):72–7 (1997).
- [13] Laine, M.L., Leonhardt, A., Roos-Jansaker, A.-M., Pena, A.S., van Winkelhoff, A.J., Winkel, E.G., Renvert, S.: IL-1RN gene polymorphism is associated with peri-implantitis. *Clin. Oral Impl. Res.* 17, 380–385 (2006).
- [14] Leonhardt, A., Dahmen, G., Renvert, S.: Five year clinical, microbiological, and radiological outcome following treatment of peri-implantitis in man. *J Periodontol.* 74, 1415–1422 (2003).
- [15] Listgarten, M.A., Lai, C.H.: Comparative microbiological characteristics of failing implants and periodontally diseased teeth. *J. Periodontol.* 70, 431–437 (1999).
- [16] Löe, H., Theilade, E., Jensen, S.B.: Experimental gingivitis in man. *J. Periodontol.* 36, 177–187 (1965).
- [17] Loesche, W.J.: Chemotherapy of dental plaque infections. *Oral Sci Rev* 9, 65–107 (1976).
- [18] Madianos, P.N., Bobetsis, Y.A., Kinane, D.F.: Generation of inflammatory stimuli: how bacteria set up inflammatory responses in the gingival. *J. Clin. Periodontol.* 32 (Suppl.6), 57–71 (2005).
- [19] Marsh, P.D.: Microbial ecology of dental plaque and its significance in health and disease. *Adv Dent Res* 1994; 8(2):263–271.

- [20] Mombelli A. Microbiology and antimicrobial therapy of peri-implantitis. *Periodontology 2000*, 28, 177–189 (2002).
- [21] Michalowicz, B.S., Aepli, D., Virag, J.G., Klump, D.G., Hinrichs, J.E., Segal, N.L., Bouchard, T.J. Jr, Pihlstrom, B.L.: Periodontal findings in adult twins. *J Periodontol.* 62(5), 293–9 (1991).
- [22] Mombelli, A.: Microbiology and antimicrobial therapy of peri-implantitis. *Periodontology 2000* 28, 177–189 (2002).
- [23] Page, R.C., Kornman, K. S.: The pathogenesis of human periodontitis: an introduction. *Periodontology 2000* 14, 9–11 (1997).
- [24] Paster, B.J., Boches, S.K., Galvin, J.L., Ericson, R.E., Lau, C.N., Levanos, V.A. Sahasrabuhde, A., Dewhirst, F.E.: Bacterial diversity in human subgingival plaque. *J. Bact.*, 183 (12), 3770–3783 (2001)
- [25] Saxon, C., Saxon, U.P.: Wirrwarr in der Mundhöhle. *Dental Magazin* 29 (5), 54–61 (2011).
- [26] Sigusch, B.W., Höft, H.D., Rabold, C., Pfister, W.: Profile parodontopathogener Bakterien bei Implantatpatienten. *ZWR* 115/12, 547–551 (2006).
- [27] Slots, J.: Subgingival microflora and periodontal disease. *J Clin Periodontol.* 6, 351–82. 38 (1979).
- [28] Socransky, S.S., Smith, C., Haffajee, A.D.: Subgingival microbial profiles in refractory periodontal disease. *J Clin Periodontol* 29, 260–268 (2002).
- [29] Socransky, S.S., Haffajee, A.D., Cugini, M.A., Smith, C., Kent, R.L.: Microbial complexes in subgingival plaque. *J. Clin. Peridontol.* 25, 134–144 (1998).
- [30] van Steenbergen, T. J., M. D. Petit, L. H. Scholte, U. van der Velden, and J.de Graaff: Transmission of *Porphyromonas gingivalis* between spouses. *J. Clin. Periodontol.* 20, 340–345 (1993).
- [31] Van Winkelhoff, A.J., Winkel, E.G.: Microbiological diagnostics in periodontics: biological significance and clinical validity. *Periodontol* 2000 39, 40–52 (2005)
- [32] Van Winkelhoff, A.J., Boutaga, K.: Transmission of periodontal bacteria and models of infection. *J. Clin. Periodontol.* 32 (Suppl.6), 16–27 (2005).
- [33] Ximenez-Fyvie, L.A., Haffajee, A.D., Socransky, S.S.: Microbial composition of supra and subgingival plaque in subjects with adult periodontitis. *J Clin Periodontol* 2000, 27, 722–732 (2000)

Die Bedeutung des gingivalen Biotypen für die Parodontal- und Implantattherapie

- [1] Olsson M, Lindhe J: Periodontal characteristics in individuals with varying form of the upper central incisors. *Journal of Clinical Periodontology* 18 (1): 78–82 (1991).
- [2] Weisgold AS: Contours of the full crown restoration. *Alpha Omegan* 70 (3): 77–89 (1977).
- [3] Müller HP, Eger T: Gingival phenotypes in young male adults. *Journal of Clinical Periodontology* 24 (1): 65–71 (1997).
- [4] Becker CM, Kaldahl WB: Current theories of crown contour, margin placement, and pontic design. *The Journal of Prosthetic Dentistry* 45 (3): 268–277 (1981).
- [5] De Rouck T, Eghbali R, Collys K, De Bruyn H, Cosyn J: The gingival biotype revisited: Transparency of the periodontal probe through the gingival margin as a method to discriminate thin from thick gingiva. *Journal Clinical Periodontology* 36 (5): 428–433 (2009).
- [6] Fischer KR, Richter T, Kebschull M, Petersen N, Fickl S: On the relationship between gingival biotypes and gingival thickness in young Caucasians. *Clinical Oral Implants Research* 25 (8): 894–898 (2014b).
- [7] Fischer KR, Grill E, Jockel-Schneider Y, Bechtold M, Schlagenhauf U, Fickl S: On the relationship between gingival biotypes and supracrestal gingival height, crown form and papilla height. *Clinical Oral Implants Research* 25 (8): 894–898 (2014a).
- [8] Gargiulo AW, Wentz FM, Orban B: Dimensions and relations of the dentogingival junction in humans. *Journal of Periodontology* 32: 261–267 (1961).
- [9] Vacek JS, Gher ME, Assad DA, Richardson AC, Giambarresi LI: The dimensions of the human dentogingival junction. *The International Journal of Periodontics & Restorative Dentistry* 14 (2): 154–165 (1994).
- [10] Tarnow DP, Magner AW, Fletcher P: The effect of the distance from the contact point to the crest of bone on the presence or absence of the interproximal dental papilla. *Journal of Periodontology* 63 (12): 995–996 (1992).
- [11] Chow YC, Eber RM, Tsao YP, Shotwell JL, Wang HL: Factors associated with the appearance of gingival papillae. *Journal of Clinical Periodontology* 37 (8): 719–727 (2010).
- [12] Kan JY, Rungcharassaeng K: Interimplant papilla preservation in the esthetic zone: a report of six consecutive cases. *The International Journal of Periodontics & Restorative Dentistry* 23 (3): 249–259 (2003).
- [13] Abrahamsson I, Berglundh T, Wennstrom J, Lindhe J: The peri-implant hard and soft tissues at different implant systems. A comparative study in the dog. *Clinical Oral Implants Research* 7 (3): 212–219 (1996).
- [14] Kan JY, Rungcharassaeng K, Umez K, Kois JC: Dimensions of peri-implant mucosa: an evaluation of maxillary anterior single implants in humans. *Journal of Periodontology* 74 (4): 557–562 (2003).
- [15] Anderegg CR, Metzler DG, Nicoll BK: Gingiva thickness in guided tissue regeneration and associated recession at facial furcation defects. *Journal of Periodontology* 66 (5): 397–402 (1995).
- [16] Claffey N, Shanley D: Relationship of gingival thickness and bleeding to loss of probing attachment in shallow sites following nonsurgical periodontal therapy. *Journal of Clinical Periodontology* 13 (7): 654–657 (1986).
- [17] Kan JY, Morimoto T, Rungcharassaeng K, Roe P, Smith DH: Gingival biotype assessment in the esthetic zone: visual versus direct measurement. *The International Journal of Periodontics & Restorative Dentistry* 30 (3): 237–243 (2010).

- [18] Kao RT, Fagan MC, Conte GJ: Thick vs. thin gingival biotypes: a key determinant in treatment planning for dental implants. *Journal of the California Dental Association* 36 (3): 193–198 (2008).
- [19] Baldi C, Pini-Prato G, Pagliaro U, Nieri M, Saletta D, Muzzi L, et al: Coronally advanced flap procedure for root coverage. Is flap thickness a relevant predictor to achieve root coverage? A 19-case series. *Journal of Periodontology* 70 (9): 1077–1084 (1999).
- [20] Evans CD, Chen ST: Esthetic outcomes of immediate implant placements. *Clinical Oral Implants Research* 19 (1): 73–80 (2008).
- [21] Romeo E, Lops D, Rossi A, Storelli S, Rozza R, Chiapasco M: Surgical and prosthetic management of interproximal region with single-implant restorations: 1-year prospective study. *Journal of Periodontology* 79 (6): 1048–1055 (2008).

Studie: Die antimikrobielle Wirksamkeit von Mundspülösungen mit und ohne Chlorhexidin

- [1] Arweiler, N. B., Mombelli, A., Welk, A., Zimmer, S., Scholz, V.: 40 Jahre Chlorhexidin in der klinischen Forschung – Ist Chlorhexidin auch heute noch der Goldstandard? ZWR 120 (6), 1–7 (2011).
- [2] Autio-Gold, J.: The role of chlorhexidine in caries prevention. Operative Dentistry 33–36, 710–716 (2008).
- [3] Bercy, P., Lasserre, J.: Susceptibility to various oral antiseptics of *Porphyromonas gingivalis* W83 within a biofilm. Adv Ther 24 (6), 1181–1191 (2007).
- [4] Böhnisch, U., Otto, J., Müller, H.: Plaquereduzierende Wirkung einer Mundspülösung – Ergebnisse einer doppelblinden, placebokontrollierten Studie. Quintessenz 48 (8), 1097–1110 (1997).
- [5] Bonesvoll, P., Gjermo, P.: A comparision between chlorhexidine and some quaternary ammonium compounds with regard to retention, salivary concentration and plaque-inhibiting effect in the human mouth after mouth rinses. Arch Oral Biol 23, 289–294 (1978).
- [6] Decker, E. M., von Ohle, C., Weiger, R., Wiech, I., Brecx, M.: A synergistic chlorhexidine/chitosan combination for improved antiplaque strategies. J Periodontol Res 40, 373 – 377 (2005).
- [7] Fine, D. H., Furgang, D., Barnett, M. L., Drew, C., Steinberg, L., Charles, C. H., Vincent, J. W.: Effect of an essential oil-containing antiseptic mouthrinse on plaque and salivary *Streptococcus mutans* levels. J Clin Periodontol 27, 157–161 (2000).
- [8] Fine, D. H., Furgang, D., Barnett, M. L.: Comparative antimicrobial activities of antiseptic mouthrinses against isogenic planktonic and biofilm forms of *Actinobacillus actinomycetemcomitans*. J Clin Periodontol 28, 697–700 (2001).
- [9] Gebelein, K.: In-vitro-Studie zur antibakteriellen Wirkung von Mundspülösungen im Agar-Hemmhoftest [Dissertation]. Jena: Friedrich-Schiller-Universität (2012).
- [10] Gjermo, P., Bastaad, K. L., Rölla, G.: The plaque-inhibiting capacity of 11 antibacterial compounds. J Periodont Res 5, 102–109 (1970).
- [11] Gülzow, H. J., Hellwig, E., Hetzer, G.: Empfehlungen zur Kariesprophylaxe mit Fluoriden. Dtsch Zahnärztl Z 55, 383 (2000).
- [12] Gülzow, H. J. Hellwig, E., Hetzer, G.: Kurzfassung Leitlinie Fluoridierungsmaßnahmen. (Hrsg.) Zahnärztliche Zentralstelle Qualitätssicherung (ZZQ) im Institut der Deutschen Zahnärzte 6–7 (2006).
- [13] Haffajee, A. D., Yaskell, T., Socransky, S. S.: Antimicrobial effectiveness of an herbal mouthrinse compared with an essential oil and a chlorhexidine mouthrinse. J Am Dent Assoc 139, 606–611 (2008).
- [14] Herrera, D., Roldán, S., Santacruz, I., Santos, S., Masdevall, M., Sanz, M.: Differences in antimicrobial activity of four commercial 0,12 % chlorhexidine mouthrinse formulations: an in vitro contact test and salivary counts study. J Clin Periodontol 30, 307–314 (2003).
- [15] Jaramillo, D. E., Arriola, A., Safavi, K., Chávez de Paz, L. E.: Decreased bacterial adherence and biofilm growth on surfaces coated with a solution of benzalkonium chloride. L Endod 38 (6), 821–825 (2012).
- [16] Kneist, S.: Begleitphänomene in der mikrobiologischen Speichelagnostik. Oralprophylaxe 20, 208–217 (1998).
- [17] Kneist, S.: Chlorhexidin in der zahnärztlichen Praxis – Möglichkeiten und Grenzen. ZMK 22(11), 720–730 (2006).
- [18] Kneist, S.: Plaquekontrolle mit Chlorhexidin. Spülösungen, Gele, Lacke, Chips. ZWR 120, 156–167 (2011).

- [19] Kneist, S., Heinrich-Weltzien, R., Tietze, W., Schumann, V., Stößer, L.: Die mikrobielle Mundhöhlenbesiedlung als Grundvoraussetzung des Kariesrisikos – Eine Übersicht der Befunde aus der Erfurter Studie. In: Stößer, L. (Hrsg.): *Kariesdynamik und Kariesrisiko*. Berlin; Chicago; London [u. a.]: Quintessenz-Verl., 1998. 201–213.
- [20] Kneist, S., Gebelein, K., Küpper, H.: Zur antimikrobiellen Wirkung von Mundspülösungen. *ZWR* 122 (1+2), 8–15 (2013).
- [21] Kremers, L., Pra, R.: Klinische Untersuchungen über die Wirkung von Chlorhexamed und Dequonal auf die Mundhygiene. *Österr Z Stomatol* 77, 227–232 (1980).
- [22] Makino, M., Watanabe, S., Ito, T.: Research on the disinfectivity of two types of quaternary ammonium salts dequalinium chloride and bezalkonium Chloride. *Med J Osaka Uni* 40, 495–508 (1988).
- [23] Meyer-Pannwitt, K., Dernick, R.: Die Inaktivierung des Influenza-A-Virus durch Benzalkoniumchlorid. *Inf Arzt* 3, 1–8 (1985).
- [24] Moldenhauer, D.: Quantitative evaluation on the effects of disinfectans against viruses in suspension experiments. *Zentralbl Bakteriol Mikrobiol Hyg B* 179, 544–554 (1984).
- [25] Neeraja, R., Anantharaj, A., Praveen, P., Karthik, V., Vinitha, M.: The effect of povidone-iodine and chlorhexidine mouth rinses on plaque *Streptococcus mutans* count in 6- to 12-year old school children: An in vivo study. *J Indian Soc Prod Prev Dent* 26, 14–18 (2008).
- [26] Pan, P. H., Finnegan, M. B., Sturdivant, L., Barnett, M. L.: Comparative antimicrobial activity of an essential oil and an amine fluoride/stannous fluoride mouthrinse in vitro. *J Clin Periodontol* 26, 474–476 (1999).
- [27] Pan, P. C., Harper, S., Ricci-Nittel, D., Lux, R., Shi, W.: In-vitro evidence for efficacy of antimicrobial mouthrinses. *J Dent* 38, 16–20 (2010).
- [28] Pitten, F.-A., Kramer, A.: Antimicrobial efficacy of antiseptic mouthrinse solutions. *Eur J Clin Pharmacol* 55, 95–100 (1999).
- [29] Schwardmann, F.: Die Hemmwirkung von Mundlösungen auf das Bakterienwachstum in der dentalen Plaque und im Speichel. Klinisch experimentelle Untersuchungen mit Chlorhexamed und Dequonal. *Wehrmedizin* 3. Quartal, 1–7 (1986).
- [30] Steinberg, D., Heling, I., Daniel, I., Ginsburg, I.: Antibacterial synergistic effect of chlorhexidine and hydrogen peroxid against *Streptococcus sobrinus*, *Streptococcus faecalis* and *Staphylococcus aureus*. *J Oral Reh* 26, 151–156 (1999).
- [31] Werding, M.: Bei Pilzinfektionen sind Mund- und Rachentherapeutika verordnungsfähig. *Kassenarzt* 24, 3–8 (1983).
- [32] Wolff, M.: Diagnostik und Therapie von Candida in der zahnärztlichen Praxis durch Microstic-Candida und Dequonal. *Zahnärztl Prax* 29, 1–4 (1980).