

Digitale Prothese im klinischen Test

CAD/CAM-assistierte Herstellung einer Totalprothese mit der AvaDent-Methode

Ein Beitrag von Prof. Dr. Martin Schimmel, Bern/Schweiz, Yoann Cantin, Dr. Murali Srinivasan und Prof. Dr. Frauke Müller, alle Genf/Schweiz

Literaturliste

- Anderson GC, Schulte JK, Arnold TG. 1988. Dimensional stability of injection and conventional processing of denture base acrylic resin. *J Prosthet Dent.* 60(3):394-398.
- Carlsson GE, Otterland A, Wennstrom A, Odont D. 1967. Patient factors in appreciation of complete dentures. *The Journal of prosthetic dentistry.* 17(4):322-328.
- Deak A, Marinello CP. 2015. [in process citation]. *Swiss Dent J.* 125(6):713-728.
- Fontijn-Tekamp FA, Slagter AP, Van Der Bilt A, Van THMA, Witter DJ, Kalk W, Jansen JA. 2000. Biting and chewing in overdentures, full dentures, and natural dentitions. *J Dent Res.* 79(7):1519-1524.
- Goodacre CJ, Garbacea A, Naylor WP, Daher T, Marchack CB, Lowry J. 2012. Cad/cam fabricated complete dentures: Concepts and clinical methods of obtaining required morphological data. *J Prosthet Dent.* 107(1):34-46.
- Gosavi SS, Ghanchi M, Malik SA, Sanyal P. 2013. A survey of complete denture patients experiencing difficulties with their prostheses. *J Contemp Dent Pract.* 14(3):524-527.
- Hamdan NM, Gray-Donald K, Awad MA, Johnson-Down L, Wollin S, Feine JS. 2013. Do implant overdentures improve dietary intake? A randomized clinical trial. *Journal of dental research.* 92(12 Suppl):1465-1535.
- Huggett R, Zissis A, Harrison A, Dennis A. 1992. Dimensional accuracy and stability of acrylic resin denture bases. *J Prosthet Dent.* 68(4):634-640.
- Infante L, Yilmaz B, McGlumphy E, Finger I. 2014. Fabricating complete dentures with cad/cam technology. *The Journal of prosthetic dentistry.* 111(5):351-355.
- Kattadiyil MT, Goodacre CJ, Baba NZ. 2013. Cad/cam complete dentures: A review of two commercial fabrication systems. *J Calif Dent Assoc.* 41(6):407-416.
- Kattadiyil MT, Jekki R, Goodacre CJ, Baba NZ. 2015. Comparison of treatment outcomes in digital and conventional complete removable dental prosthesis fabrications in a predoctoral setting. *The Journal of prosthetic dentistry.* 114(6):818-825.
- Laurina L, Soboleva U. 2006. Construction faults associated with complete denture wearers' complaints. *Stomatologija / issued by public institution „Odontologijos studija“ [et al].* 8(2):61-64.
- Lund B. 2012. Carving out a niche. *Dental Town.* 2-5.
- Müller-Fahlbusch H. 1983. [the handicapped and humanity]. *Zwr.* 92(10):16-18.
- Nogueira SS, Ogle RE, Davis EL. 1999. Comparison of accuracy between compression- and injection-molded complete dentures. *J Prosthet Dent.* 82(3):291-300.
- Pröschel P, Hofmann M. 1982. [electromyographic studies of the activity of the m. Orbicularis oris and m. Buccinator in subjects with a full set of teeth and in complete denture wearers]. *Deutsche zahnärztliche Zeitschrift.* 37(9):734-738.
- Pryor W. 1942. Injection molding of plastics for dentures. *J Am Dent Assoc.* 29:1400-1408.
- Sireix C. 2014. La cfao en prothèse complète amovible. *Tech Dent.* 362:10-21.
- Strohaver RA. 1989. Comparison of changes in vertical dimension between compression and injection molded complete dentures. *J Prosthet Dent.* 62(6):716-718.
- Sykora O, Sutow EJ. 1990. Comparison of the dimensional stability of two waxes and two acrylic resin processing techniques in the production of complete dentures. *J Oral Rehabil.* 17(3):219-227.
- Utz KH, Muller F, Kettner N, Reppert G, Koeck B. 2004. Functional impression and jaw registration: A single session procedure for the construction of complete dentures. *Journal of oral rehabilitation.* 31(6):554-561.
- van Waas MA. 1990. The influence of clinical variables on patients' satisfaction with complete dentures. *The Journal of prosthetic dentistry.* 63(3):307-310.
- Wong DM, Cheng LY, Chow TW, Clark RK. 1999. Effect of processing method on the dimensional accuracy and water sorption of acrylic resin dentures. *J Prosthet Dent.* 81(3):300-304.

24. Wöstmann B, Simon T, Neuhauser-Berthold M, Rehmann P. 2016. Pilot study on the influence of nutritional counseling and implant therapy on the nutritional status in dentally compromised patients. *PLoS One*. 11(1):e0147193.
25. Yeung KC, Chow TW, Clark RK. 1995. Temperature and dimensional changes in the two-stage processing technique for complete dentures. *J Dent*. 23(4):245-253.
26. Zissis A, Huggett R, Harrison A. 1991. Measurement methods used for the determination of dimensional accuracy and stability of denture base materials. *J Dent*. 19(4):199-206.
27. Zitzmann NU, Marinello CP. 2006. [survey of treatment-seeking complete denture wearers concerning tooth loss, retention behavior and treatment expectations]. *Schweizer Monatsschrift für Zahnmedizin = Revue mensuelle suisse d'odonto-stomatologie = Rivista mensile svizzera di odontologia e stomatologia / SSO*. 116(3):229-236.
28. Zitzmann NU, Marinello CP, Zemp E, Kessler P, Ackermann-Liebrich U. 2001. [tooth loss, dental restorations and dental attendance in switzerland]. *Schweiz Monatsschr Zahnmed*. 111(11):1288-1294.
29. Zitzmann NU, Staehelin K, Walls AW, Menghini G, Weiger R, Zemp Stutz E. 2008. Changes in oral health over a 10-yr period in switzerland. *European journal of oral sciences*. 116(1):52-59.