

**Ausgabe:** PN Parodontologie Nachrichten 4/16

**Thema:** Aggressive und chronische Parodontitis. Vorhersehbarer Zahnverlust oder Zahnerhalt durch ein individuelles Behandlungskonzept?

**Autoren:** Priv.-Doz. Dr. Christian Graetz, Anna Plaumann, Konstantin Gomer, Dr. Maren Kahl, Dr. Claudia Springer, Dr. Sonja Sälzer, Prof. Dr. Christof E. Dörfer

---

## Literatur

- Armitage, G. C. (1999) Development of a classification system for periodontal diseases and conditions. *Ann Periodontol* **4**, 1-6. doi:10.1902/annals.1999.4.1.1.
- Axelsson, P. & Lindhe, J. (1981) The significance of maintenance care in the treatment of periodontal disease. *J Clin Periodontol* **8**, 281-294.
- Bastendorf, K.-D. (2015) Erhaltungstherapie: Niedrigabrasives Pulver auf Erythritol-Basis. *ZWP* **21**, 58-63.
- Bäumer, A., Pretzl, B., Cosgarea, R., Kim, T. S., Reitmeir, P., Eickholz, P. & Dannewitz, B. (2011) Tooth loss in aggressive periodontitis after active periodontal therapy: patient-related and tooth-related prognostic factors. *J Clin Periodontol* **38**, 644-651. doi:10.1111/j.1600-051X.2011.01733.x.
- Bragger, U., Hirt-Steiner, S., Schnell, N., Schmidlin, K., Salvi, G. E., Pjetursson, B., Matuliene, G., Zwahlen, M. & Lang, N. P. (2011) Complication and failure rates of fixed dental prostheses in patients treated for periodontal disease. *Clin Oral Implants Res* **22**, 70-77. doi:10.1111/j.1600-0501.2010.02095.x.
- Buset, S., Walter, C., Friedmann, A., Weiger, R., Borgnakke, W. S. & Zitzmann, N. U. (2016) Are periodontal diseases really silent? A systematic review of their effect on quality of life. *J Clin Periodontol*. doi:10.1111/jcpe.12517.
- Chambrone, L., Chambrone, D., Lima, L. A. & Chambrone, L. A. (2010) Predictors of tooth loss during long-term periodontal maintenance: a systematic review of observational studies. *J Clin Periodontol* **37**, 675-684. doi:10.1111/j.1600-051X.2010.01587.x.
- Cogen, R. B., Wright, J. T. & Tate, A. L. (1992) Destructive periodontal disease in healthy children. *J Periodontol* **63**, 761-765. doi:10.1902/jop.1992.63.9.761.
- Eickholz, P. (2007a) Glossar der Grundbegriffe für die Praxis: Unterstützende Parodontitistherapie (UPT). Teil 1: Ziele und Inhalte. *Parodontologie* **18**, 165-170.
- Eickholz, P. (2007b) Glossar der Grundbegriffe für die Praxis: Unterstützende Parodontitistherapie (UPT). Teil 2: Individuelles Parodontitisrisiko und Bestimmung der UPT-Intervalle. *Parodontologie* **18**, 239-245.
- Eickholz, P. (2010a) Glossar der Grundbegriffe für die Praxis Parodontologische Diagnostik Teil 5: PSI und Sondierungsparameter. *Parodontologie* **21**, 177-187.
- Eickholz, P. (2010b) Glossar der Grundbegriffe für die Praxis Resektive Furkationstherapie. Teil 1: Wurzelamputation, Trisektion, Hemisektion. *Parodontologie* **21**, 423-429.
- Faggion, C. M., Jr., Petersilka, G., Lange, D. E., Gerss, J. & Flemmig, T. F. (2007) Prognostic model for tooth survival in patients treated for periodontitis. *J Clin Periodontol* **34**, 226-231. doi:10.1111/j.1600-051X.2006.01045.x.
- Graetz, C., Dörfer, C. E., Kahl, M., Kocher, T., Fawzy El-Sayed, K., Wiebe, J. F., Gomer, K. & Rühling, A. (2011) Retention of questionable and hopeless teeth in compliant patients treated for aggressive periodontitis. *J Clin Periodontol* **38**, 707-714. doi:10.1111/j.1600-051X.2011.01743.x.

- Graetz, C., Ehrental, J. C., Senf, D., Semar, K., Herzog, W. & Dörfer, C. E. (2013a) Influence of psychological attachment patterns on periodontal disease - a pilot study with 310 compliant patients. *J Clin Periodontol* **40**, 1087-1094. doi:10.1111/jcpe.12159.
- Graetz, C., Schwendicke, F., Kahl, M., Dörfer, C. E., Sälzer, S., Springer, C., Schützhold, S., Kocher, T., König, J. & Rühling, A. (2013b) Prosthetic rehabilitation of patients with history of moderate to severe periodontitis: a long-term evaluation. *J Clin Periodontol* **40**, 799-806. doi:10.1111/jcpe.12124.
- Harks, I., Koch, R., Eickholz, P., Hoffmann, T., Kim, T. S., Kocher, T., Meyle, J., Kaner, D., Schlagenhaut, U., Doering, S., Holtfreter, B., Gravemeier, M., Harmsen, D. & Ehmke, B. (2015) Is progression of periodontitis relevantly influenced by systemic antibiotics? A clinical randomized trial. *J Clin Periodontol* **42**, 832-842. doi:10.1111/jcpe.12441.
- Holtfreter, B., Schwahn, C., Biffar, R. & Kocher, T. (2009) Epidemiology of periodontal diseases in the Study of Health in Pomerania. *J Clin Periodontol* **36**, 114-123. doi:10.1111/j.1600-051X.2008.01361.x.
- Hugoson, A., Sjodin, B. & Norderyd, O. (2008) Trends over 30 years, 1973-2003, in the prevalence and severity of periodontal disease. *J Clin Periodontol* **35**, 405-414. doi:10.1111/j.1600-051X.2008.01225.x.
- Kamma, J. J. & Baehni, P. C. (2003) Five-year maintenance follow-up of early-onset periodontitis patients. *J Clin Periodontol* **30**, 562-572.
- Karoussis, I. K., Salvi, G. E., Heitz-Mayfield, L. J., Bragger, U., Hammerle, C. H. & Lang, N. P. (2003) Long-term implant prognosis in patients with and without a history of chronic periodontitis: a 10-year prospective cohort study of the ITI Dental Implant System. *Clin Oral Implants Res* **14**, 329-339.
- Kassebaum, N. J., Bernabe, E., Dahiya, M., Bhandari, B., Murray, C. J. & Marcenes, W. (2014) Global Burden of Severe Periodontitis in 1990-2010: A Systematic Review and Meta-regression. *J Dent Res* **93**, 1045-1053. doi:10.1177/0022034514552491.
- Khader, Y. S., Dauod, A. S., El-Qaderi, S. S., Alkafajei, A. & Batayha, W. Q. (2006) Periodontal status of diabetics compared with nondiabetics: a meta-analysis. *J Diabetes Complications* **20**, 59-68. doi:10.1016/j.jdiacomp.2005.05.006.
- König, J., Holtfreter, B. & Kocher, T. (2010) Periodontal health in Europe: future trends based on treatment needs and the provision of periodontal services--position paper 1. *Eur J Dent Educ* **14 Suppl 1**, 4-24. doi:10.1111/j.1600-0579.2010.00620.x.
- König, J., Plagmann, H. C., Langenfeld, N. & Kocher, T. (2001) Retrospective comparison of clinical variables between compliant and non-compliant patients. *J Clin Periodontol* **28**, 227-232.
- Lang, N., Bartold, P., Cullian, M., Jeffcoat, M., Mombelli, A., Murakami, S., Page, R., Papapanou, P., Tonetti, M. & Van Dyke, T. (1999) Consensus report: Aggressive Periodontitis. *Ann Periodontol*. **4**, 53.
- Lang, N. P. & Tonetti, M. S. (2003) Periodontal risk assessment (PRA) for patients in supportive periodontal therapy (SPT). *Oral Health Prev Dent* **1**, 7-16.
- Laurell, L., Lundgren, D., Falk, H. & Hugoson, A. (1991) Long-term prognosis of extensive polyunit cantilevered fixed partial dentures. *J Prosthet Dent* **66**, 545-552.
- Matarasso, S., Rasperini, G., Iorio Siciliano, V., Salvi, G. E., Lang, N. P. & Aglietta, M. (2010) A 10-year retrospective analysis of radiographic bone-level changes of implants supporting single-unit crowns in periodontally compromised vs. periodontally healthy patients. *Clin Oral Implants Res* **21**, 898-903. doi:10.1111/j.1600-0501.2010.01945.x.
- Merchant, S. N., Vovk, A., Kalash, D., Hovencamp, N., Aukhil, I., Harrison, P., Zapert, E., Bidwell, J., Varnado, P. & Shaddox, L. M. (2014) Localized aggressive periodontitis

- treatment response in primary and permanent dentitions. *J Periodontol* **85**, 1722-1729. doi:10.1902/jop.2014.140171.
- Mestnik, M. J., Feres, M., Figueiredo, L. C., Duarte, P. M., Lira, E. A. & Faveri, M. (2010) Short-term benefits of the adjunctive use of metronidazole plus amoxicillin in the microbial profile and in the clinical parameters of subjects with generalized aggressive periodontitis. *J Clin Periodontol* **37**, 353-365. doi:10.1111/j.1600-051X.2010.01538.x.
- Micheelis, W. & Bauch, J. (1999) *Dritte Deutsche Mundgesundheitsstudie (DMS III): Ergebnisse, Trends und Problemanalysen auf der Grundlage bevölkerungsrepräsentativer Stichproben in Deutschland*. Köln: Deutscher Ärzte-Verlag, pp. 428.
- Micheelis, W. & Schiffner, U. (2006) *Vierte Deutsche Mundgesundheitsstudie (DMS IV)*. Köln: Deutscher Ärzte-Verlag.
- Mombelli, A., Cionca, N. & Almaghouth, A. (2011) Does adjunctive antimicrobial therapy reduce the perceived need for periodontal surgery? *Periodontol 2000* **55**, 205-216. doi:10.1111/j.1600-0757.2010.00356.x.
- Mros, S. T. & Berglundh, T. (2010) Aggressive periodontitis in children: a 14-19-year follow-up. *J Clin Periodontol* **37**, 283-287. doi:10.1111/j.1600-051X.2009.01526.x.
- Nibali, L., Farias, B. C., Vajgel, A., Tu, Y. K. & Donos, N. (2013) Tooth loss in aggressive periodontitis: a systematic review. *J Dent Res* **92**, 868-875. doi:10.1177/0022034513501878.
- Nyman, S. & Lindhe, J. (1976) Prosthetic rehabilitation of patients with advanced periodontal disease. *J Clin Periodontol* **3**, 135-147.
- Ong, C. T., Ivanovski, S., Needleman, I. G., Retzepi, M., Moles, D. R., Tonetti, M. S. & Donos, N. (2008) Systematic review of implant outcomes in treated periodontitis subjects. *J Clin Periodontol* **35**, 438-462. doi:10.1111/j.1600-051X.2008.01207.x.
- Pjetursson, B. E., Tan, K., Lang, N. P., Bragger, U., Egger, M. & Zwahlen, M. (2004) A systematic review of the survival and complication rates of fixed partial dentures (FPDs) after an observation period of at least 5 years. *Clin Oral Implants Res* **15**, 667-676. doi:10.1111/j.1600-0501.2004.01120.x.
- Preshaw, P. M., Alba, A. L., Herrera, D., Jepsen, S., Konstantinidis, A., Makrilakis, K. & Taylor, R. (2012) Periodontitis and diabetes: a two-way relationship. *Diabetologia* **55**, 21-31. doi:10.1007/s00125-011-2342-y.
- Pretzl, B., Kaltschmitt, J., Kim, T. S., Reitmeir, P. & Eickholz, P. (2008) Tooth loss after active periodontal therapy. 2: tooth-related factors. *J Clin Periodontol* **35**, 175-182. doi:10.1111/j.1600-051X.2007.01182.x.
- Roos-Jansaker, A. M., Lindahl, C., Renvert, H. & Renvert, S. (2006a) Nine- to fourteen-year follow-up of implant treatment. Part I: implant loss and associations to various factors. *J Clin Periodontol* **33**, 283-289. doi:10.1111/j.1600-051X.2006.00907.x.
- Roos-Jansaker, A. M., Lindahl, C., Renvert, H. & Renvert, S. (2006b) Nine- to fourteen-year follow-up of implant treatment. Part II: presence of peri-implant lesions. *J Clin Periodontol* **33**, 290-295. doi:10.1111/j.1600-051X.2006.00906.x.
- Roos-Jansaker, A. M., Renvert, H., Lindahl, C. & Renvert, S. (2006c) Nine- to fourteen-year follow-up of implant treatment. Part III: factors associated with peri-implant lesions. *J Clin Periodontol* **33**, 296-301. doi:10.1111/j.1600-051X.2006.00908.x.
- Saxby, M. S. (1987) Juvenile periodontitis: an epidemiological study in the west Midlands of the United Kingdom. *J Clin Periodontol* **14**, 594-598.
- Saxen, L. (1980) Prevalence of juvenile periodontitis in Finland. *J Clin Periodontol* **7**, 177-186.
- Schaller, D. (2016) Adjuvante systemische Antibiotika in der Parodontitistherapie. Das Konzept Göteborg. *Parodontologie* **27**, 141-148.

- Schätzle, M., Loe, H., Lang, N. P., Burgin, W., Anerud, A. & Boysen, H. (2004) The clinical course of chronic periodontitis. *J Clin Periodontol* **31**, 1122-1127. doi:10.1111/j.1600-051X.2004.00634.x.
- Schlagenhauf, U. (2013) Parodontal hoffnungslose Zähne – stimmen die alten Konzepte noch? *Dtsch Zahnärztl Z* **68**, 405–410.
- Schmidlin, K., Schnell, N., Steiner, S., Salvi, G. E., Pjetursson, B., Matuliene, G., Zwahlen, M., Bragger, U. & Lang, N. P. (2010) Complication and failure rates in patients treated for chronic periodontitis and restored with single crowns on teeth and/or implants. *Clin Oral Implants Res* **21**, 550-557. doi:10.1111/j.1600-0501.2009.01907.x.
- Schweizerische Zahnärzte-Gesellschaft (2000) Qualitätsleitlinien in der Zahnmedizin. Bern: Schweizerische Zahnärzte-Gesellschaft.
- Schwendicke, F., Graetz, C., Stolpe, M. & Dorfer, C. E. (2014) Retaining or replacing molars with furcation involvement: a cost-effectiveness comparison of different strategies. *J Clin Periodontol* **41**, 1090-1097. doi:10.1111/jcpe.12315.
- Schwendicke, F., Plaumann, A., Stolpe, M., Dorfer, C. E. & Graetz, C. (2016) Retention costs of periodontally compromised molars in a German population. *J Clin Periodontol* **43**, 261-270. doi:10.1111/jcpe.12509.
- Sculean, A., Bastendorf, K. D., Becker, C., Bush, B., Einwag, J., Lanoway, C., Platzer, U., Schmage, P., Schoeneich, B., Walter, C., Wennstrom, J. L. & Flemmig, T. F. (2013) A paradigm shift in mechanical biofilm management? Subgingival air polishing: a new way to improve mechanical biofilm management in the dental practice. *Quintessence Int* **44**, 475-477. doi:10.3290/j.qi.a29615.
- Sjodin, B., Matsson, L., Unell, L. & Egelberg, J. (1993) Marginal bone loss in the primary dentition of patients with juvenile periodontitis. *J Clin Periodontol* **20**, 32-36.
- Skudutyte-Rysstad, R., Eriksen, H. M. & Hansen, B. F. (2007) Trends in periodontal health among 35-year-olds in Oslo, 1973-2003. *J Clin Periodontol* **34**, 867-872. doi:10.1111/j.1600-051X.2007.01129.x.
- Susin, C., Haas, A. N. & Albandar, J. M. (2014) Epidemiology and demographics of aggressive periodontitis. *Periodontol 2000* **65**, 27-45. doi:10.1111/prd.12019.
- Tan, K., Pjetursson, B. E., Lang, N. P. & Chan, E. S. (2004) A systematic review of the survival and complication rates of fixed partial dentures (FPDs) after an observation period of at least 5 years. *Clin Oral Implants Res* **15**, 654-666. doi:10.1111/j.1600-0501.2004.01119.x.
- Taylor, G. W., Burt, B. A., Becker, M. P., Genco, R. J., Shlossman, M., Knowler, W. C. & Pettitt, D. J. (1996) Severe periodontitis and risk for poor glycemic control in patients with non-insulin-dependent diabetes mellitus. *J Periodontol* **67**, 1085-1093. doi:10.1902/jop.1996.67.10s.1085.
- Yi, S. W., Ericsson, I., Carlsson, G. E. & Wennstrom, J. L. (1995) Long-term follow-up of cross-arch fixed partial dentures in patients with advanced periodontal destruction. Evaluation of the supporting tissues. *Acta Odontol Scand* **53**, 242-248.