

Zahnerhalt versus Zahnentfernung – Entscheidungsfindung in der Parodontologie

- [1] Avila, G, Galindo-Moreno, P, Soehren, S, Misch, CE, Morelli, T & Wang, HL. A novel decision-making process for tooth retention or extraction. *J Periodontol* 2009;80:476-491. doi:10.1902/jop.2009.080454.
- [2] Axelsson, P & Lindhe, J. The significance of maintenance care in the treatment of periodontal disease. *J Clin Periodontol* 1981;8:281–294.
- [3] Bäumer, A, El Sayed, N, Kim, TS, Reitmeir, P., Eickholz, P & Pretzl, B. Patient-related risk factors for tooth loss in aggressive periodontitis after active periodontal therapy. *J Clin Periodontol* 2011a;38:347–354. doi:10.1111/j.1600-051X.2011.01698.x.
- [4] Bäumer, A, Pretzl, B, Cosgarea, R, Kim, TS, Reitmeir, P, Eickholz, P & Dannowitz, B. Tooth loss in aggressive periodontitis after active periodontal therapy: patient-related and tooth-related prognostic factors. *J Clin Periodontol* 2011b;38:644–651. doi:10.1111/j.1600-051X.2011.01733.x.
- [5] Bragger, U, Hirt-Steiner, S, Schnell, N, Schmidlin, K, Salvi, GE, Pjetursson, B, Matuliene, G, Zwahlen, M & Lang, NP. Complication and failure rates of fixed dental prostheses in patients treated for periodontal disease. *Clin Oral Implants Res* 2011;22:70-77. doi:10.1111/j.1600-0501.2010.02095.x.
- [6] Chambrone, L, Chambrone, D, Lima, LA. & Chambrone, LA. Predictors of tooth loss during long-term periodontal maintenance: a systematic review of observational studies. *J Clin Periodontol* 2010;37:675-684. doi:10.1111/j.1600-051X.2010.01587.x.
- [7] Eickholz, P. Glossar der Grundbegriffe für die Praxis: Unterstützende Parodontithetherapie (UPT). Teil 2: Individuelles Parodontitisrisiko und Bestimmung der UPT-Intervalle. *Parodontologie* 2007;18:239–245.
- [8] Eickholz, P, Kaltschmitt, J, Berbig, J, Reitmeir, P & Pretzl, B. Tooth loss after active periodontal therapy. 1: patient-related factors for risk, prognosis, and quality of outcome. *J Clin Periodontol* 2008;35:165–174. doi:10.1111/j.1600-051X.2007.01184.x.
- [9] Faggion, CM, Jr., Petersilka, G, Lange, DE, Gerss, J & Flemmig, TF. Prognostic model for tooth survival in patients treated for periodontitis. *J Clin Periodontol* 2007;34:226-231. doi:10.1111/j.1600-051X.2006.01045.x.
- [10] Fardal, O, Grytten, J, Martin, J, Houlihan, C & Heasman, P. Using prognostic factors from case series and cohort studies to identify individuals with poor long-term outcomes during periodontal maintenance. *J Clin Periodontol* 2016;43:789–796. doi:10.1111/jcpe.12573.
- [11] Genco, R. J. & Borgnakke, W. S. (2013) Risk factors for periodontal disease. *Periodontol* 2000 62, 59-94. doi:10.1111/j.1600-0757.2012.00457.x.
- [12] Graetz, C, Dörfer, CE, Kahl, M, Kocher, T, Fawzy El-Sayed, K, Wiebe, JF, Gomer, K & Rühling, A. (2011) Retention of questionable and hopeless teeth in compliant patients treated for aggressive periodontitis. *J Clin Periodontol* 2011;38:707–714. doi:10.1111/j.1600-051X.2011.01743.x.
- [13] Graetz, C, Ehrenthal, JC, Senf, D, Semar, K, Herzog, W & Dörfer, CE. Influence of psychological attachment patterns on periodontal disease – a pilot study with 310 compliant patients. *J Clin Periodontol* 2013a;40:1087-1094. doi:10.1111/jcpe.12159.
- [14] Graetz, C, Plaumann, A, Schlattmann, P, Kahl, M, Springer, C, Sälzer, S, Gomer, K, Dörfer, C & Schwendicke, F. (2016) Long-term tooth retention in chronic periodontitis – results after 18 years of a conservative periodontal treatment regimen in a university setting. *J Clin Periodontol*, n/a-n/a. doi:10.1111/jcpe.12680.
- [15] Graetz, C, Schutzhold, S, Plaumann, A, Kahl, M, Springer, C, Salzer, S, Holtfreter, B, Kocher, T, Dorfer, CE & Schwendicke, F. Prognostic factors for the loss of molars – an 18-years retrospective cohort study. *J Clin Periodontol* 2015;42:943–950. doi:10.1111/jcpe.12460.

- [16] Graetz, C, Schwendicke, F, Kahl, M, Dörfer, CE, Sälzer, S, Springer, C, Schützhold, S, Kocher, T, König, J & Rühling, A. Prosthetic rehabilitation of patients with history of moderate to severe periodontitis: a long-term evaluation. *J Clin Periodontol* 2013b;40:799–806. doi:10.1111/jcpe.12124.
- [17] Holtfreter, B, Schwahn, C, Biffar, R & Kocher, T. Epidemiology of periodontal diseases in the Study of Health in Pomerania. *J Clin Periodontol* 2009;36:114–123. doi:10.1111/j.1600-051X.2008.01361.x.
- [18] Kamma, JJ & Baehni, PC. Five-year maintenance follow-up of early-onset periodontitis patients. *J Clin Periodontol* 2003;30:562–572.
- [19] Karoussis, IK, Salvi, GE, Heitz-Mayfield, LJ, Bragger, U, Hammerle, CH & Lang, N. P. 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* 2003;14:329–339.
- [20] Kassebaum, NJ, Bernabe, E, Dahiya, M, Bhandari, B, Murray, CJ & Marcenes, W. Global Burden of Severe Periodontitis in 1990–2010: A Systematic Review and Meta-regression. *J Dent Res* 2014;93:1045–1053. doi:10.1177/0022034514552491.
- [21] Kebschull, M, Guarnieri, P, Demmer, RT, Boulesteix, AL, Pavlidis, P & Papapanou, PN (2013) Molecular differences between chronic and aggressive periodontitis. *J Dent Res* 2013;92:1081–1088. doi:10.1177/0022034513506011.
- [22] Khader, YS, Dauod, AS, El-Qaderi, SS, Alkafajei, A. & Batayha, W. Q. Periodontal status of diabetics compared with nondiabetics: a meta-analysis. *J Diabetes Complications* 2006;20:59–68. doi:10.1016/j.jdiacomp.2005.05.006.
- [23] Kocher, T. Risiko und Prognose. In: Parodontitis 2010. Das Risikokompendium. Berlin: Deutsche Gesellschaft für Parodontologie e.V. Quintessenz Verlag.
- [24] König, J, Plagmann, HC, Langenfeld, N & Kocher, T. Retrospective comparison of clinical variables between compliant and non-compliant patients. *J Clin Periodontol* 2001;28:227–232.
- [25] König, J, Plagmann, HC, Rühling, A & Kocher, T. Tooth loss and pocket probing depths in compliant periodontally treated patients: a retrospective analysis. *J Clin Periodontol* 2002;29:1092–1100. doi:cpe291208 [pii].
- [26] Lang, NP & Tonetti, MS. Periodontal risk assessment (PRA) for patients in supportive periodontal therapy (SPT). *Oral Health Prev Dent* 2003;1:7–16.
- [27] Laurell, L, Lundgren, D, Falk, H & Hugoson, A. Long-term prognosis of extensive polyunit cantilevered fixed partial dentures. *J Prosthet Dent* 1991;66: 545–552.
- [28] Machtei, EE & Hirsch, I. Retention of hopeless teeth: the effect on the adjacent proximal bone following periodontal surgery. *J Periodontol* 2007;78:2246–2252. doi:10.1902/jop.2007.070125.
- [29] Matarasso, S, Rasperini, G, Iorio Siciliano, V, Salvi, GE, Lang, NP & Aglietta, M. 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* 2010;21:898–903. doi:10.1111/j.1600-0501.2010.01945.x.
- [30] Matuliene, G, Pjetursson, BE, Salvi, GE, Schmidlin, K, Bragger, U, Zwahlen, M. & Lang, NP. Influence of residual pockets on progression of periodontitis and tooth loss: results after 11 years of maintenance. *J Clin Periodontol* 2008;35:685–695. doi:10.1111/j.1600-051X.2008.01245.x.
- [31] McGuire, MK & Nunn, ME. Prognosis versus actual outcome. II. The effectiveness of clinical parameters in developing an accurate prognosis. *J Periodontol* 1996;67:658–665.
- [32] Merchant, SN, Vovk, A, Kalash, D, Hovencamp, N, Aukhil, I, Harrison, P, Zapert, E, Bidwell, J, Varnado, P & Shaddox, LM. Localized aggressive periodontitis treatment response in primary and permanent dentitions. *J Periodontol* 2014;85:1722–1729. doi:10.1902/jop.2014.140171.
- [33] Mros, ST & Berglundh, T. Aggressive periodontitis in children: a 14–19-year follow-up. *J Clin Periodontol* 2010;37:283–287. doi:10.1111/j.1600-051X.2009.01526.x.

- [34] Nibali, L, Farias, BC, Vajgel, A, Tu, YK & Donos, N (2013) Tooth loss in aggressive periodontitis: a systematic review. *J Dent Res* 2013;92:868–875. doi:10.1177/0022034513501878.
- [35] Nyman, S & Lindhe, J. Prosthetic rehabilitation of patients with advanced periodontal disease. *J Clin Periodontol* 1976;3:135–147.
- [36] Ong, CT, Ivanovski, S, Needleman, IG, Retzepi, M, Moles, DR, Tonetti, MS & Donos, N. Systematic review of implant outcomes in treated periodontitis subjects. *J Clin Periodontol* 2008;35:438–462. doi:10.1111/j.1600-051X.2008.01207.x.
- [37] Pjetursson, BE, Tan, K, Lang, NP, 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* 2004;15:667-676. doi:10.1111/j.1600-0501.2004.01120.x.
- [38] Preshaw, PM, Alba, AL, Herrera, D, Jepsen, S, Konstantinidis, A, Makrilakis, K & Taylor, R (2012) Periodontitis and diabetes: a two-way relationship. *Diabetologia* 2012;55:21-31. doi:10.1007/s00125-011-2342-y.
- [39] Pretzl, B, Kaltschmitt, J, Kim, TS, Reitmeir, P & Eickholz, P. Tooth loss after active periodontal therapy. 2: tooth-related factors. *J Clin Periodontol* 2008;35:175-182. doi:10.1111/j.1600-051X.2007.01182.x.
- [40] Roos-Jansaker, AM, Lindahl, C, Renvert, H & Renvert, S. Nine- to fourteen-year follow-up of implant treatment. Part I: implant loss and associations to various factors. *J Clin Periodontol* 2006a;33:283-289. doi:10.1111/j.1600-051X.2006.00907.x.
- [41] Roos-Jansaker, AM, Lindahl, C, Renvert, H & Renvert, S. Nine- to fourteen-year follow-up of implant treatment. Part II: presence of peri-implant lesions. *J Clin Periodontol* 2006b;33, 290–295. doi:10.1111/j.1600-051X.2006.00906.x.
- [42] Roos-Jansaker, AM, Renvert, H, Lindahl, C & Renvert, S. Nine- to fourteen-year follow-up of implant treatment. Part III: factors associated with peri-implant lesions. *J Clin Periodontol* 2006c;33, 296–301. doi:10.1111/j.1600-051X.2006.00908.x.
- [43] Saxby, MS. Juvenile periodontitis: an epidemiological study in the west Midlands of the United Kingdom. *J Clin Periodontol* 1987;14:594–598.
- [44] Saxen, L. Prevalence of juvenile periodontitis in Finland. *J Clin Periodontol* 1980;7:177–186.
- [45] Schaefer, AS, Bochenek, G, Manke, T, Nothnagel, M, Graetz, C, Thien, A, Jockel-Schneider, Y, Harks, I, Staufenbiel, I, Wijmenga, C, Eberhard, J, Guzeldemir-Akçakanat, E., Cine, N., Folwaczny, M., Noack, B., Meyle, J., Eickholz, P., Trombelli, L., Scapoli, C., Nohutcu, R., Bruckmann, C., Doerfer, C., Jepsen, S., Loos, B. G. & Schreiber, S. (2013) Validation of reported genetic risk factors for periodontitis in a large-scale replication study. *J Clin Periodontol* 40, 563–572. doi:10.1111/jcpe.12092.
- [46] Schaller, D. Adjuvante systemische Antibiotika in der Parodontistherapie. Das Konzept Göteborg. *Parodontologie* 2016;27:141–148.
- [47] Schlagenhauf, U. Parodontal hoffnungslose Zähne – stimmen die alten Konzepte noch? *Dtsch Zahnärztl Z* 2013;68:405–410.
- [48] Schmidlin, K, Schnell, N, Steiner, S, Salvi, GE, Pjetursson, B, Matuliene, G, Zwahlen, M, Bragger, U & Lang, NP. Complication and failure rates in patients treated for chronic periodontitis and restored with single crowns on teeth and/or implants. *Clin Oral Implants Res* 2010;21:550-557. doi:10.1111/j.1600-0501.2009.01907.x.
- [49] Schweizerische Zahnärzte-Gesellschaft (2000) Qualitätsleitlinien in der Zahnmedizin. Bern: Schweizerische Zahnärzte-Gesellschaft.
- [50] Schwendicke, F, Graetz, C, Stolpe, M & Dorfer, CE (2014) Retaining or replacing molars with furcation involvement: a cost-effectiveness comparison of different strategies. *J Clin Periodontol* 2014;41:1090-1097. doi:10.1111/jcpe.12315.
- [51] Schwendicke, F, Plaumann, A, Stolpe, M, Dorfer, CE & Graetz, C (2016a) Retention costs of periodontally compromised molars in a German population. *J Clin Periodontol* 2016a;43:261–270. doi:10.1111/jcpe.12509.
- [52] Schwendicke, F, Stolpe, M, Plaumann, A & Graetz, C. (2016b) Cost-effectiveness of regular versus irregular supportive periodontal therapy or tooth removal. *J Clin Periodontol*. doi:10.1111/jcpe.12595.

- [53] Tan, K, Pjetursson, BE, Lang, NP & Chan, ES. 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* 2004;15, 654–666. doi:10.1111/j.1600-0501.2004.01119.x.
- [54] Taylor, GW, Burt, BA, Becker, MP, Genco, RJ, Shlossman, M, Knowler, WC & Pettitt, DJ. Severe periodontitis and risk for poor glycemic control in patients with non-insulin-dependent diabetes mellitus. *J Periodontol* 1996;67:, 1085–1093. doi:10.1902/jop.1996.67.10s.1085.
- [55] Trombelli, L, Franceschetti, G & Farina, R. (2015) Effect of professional mechanical plaque removal performed on a long-term, routine basis in the secondary prevention of periodontitis: a systematic review. *J Clin Periodontol* 42 Suppl 16, S221–236. doi:10.1111/jcpe.12339.
- [56] 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.