

9 Literaturverzeichnis

1. Adell R, Lekholm U, Rockler B, Branemark PI. A 15-year study of osseointegrated implants in the treatment of the edentulous jaw. *Int J Oral Surg* 1981;10:387-416.
2. Albrektsson T, Blomberg S, Branemark A, Carlsson GE. Edentulousness--an oral handicap. Patient reactions to treatment with jawbone-anchored prostheses. *J Oral Rehabil* 1987;14:503-11.
3. Albrektsson T, Jansson T, Lekholm U. Osseointegrated dental implants. *Dent Clin North Am* 1986;30:151-74.
4. Albrektsson T, Sennerby L. State of the art in oral implants. *J Clin Periodontol* 1991;18:474-81.
5. Albrektsson T, Zarb G, Worthington P, Eriksson AR. The long-term efficacy of currently used dental implants: a review and proposed criteria of success. *Int J Oral Maxillofac Implants* 1986;1:11-25.
6. Albrektsson T, Zarb GA. Current interpretations of the osseointegrated response: clinical significance. *Int J Prosthodont* 1993;6:95-105.
7. Allen PF, McMillan AS, Walshaw D. Patient expectations of oral implant-retained prostheses in a UK dental hospital. *Br Dent J* 1999;186:80-4.
8. Andersson B, Odman P, Lindvall AM, Branemark PI. Five-year prospective study of prosthodontic and surgical single-tooth implant treatment in general practices and at a specialist clinic. *Int J Prosthodont* 1998;11:351-5.
9. Andersson B, Odman P, Lindvall AM, Lithner B. Single-tooth restorations supported by osseointegrated implants: results and experiences from a prospective study after 2 to 3 years. *Int J Oral Maxillofac Implants* 1995;10:702-11.

10. Aspe P, Zarb G, Schmitt A, Lewis D. The longitudinal effectiveness of osseointegrated dental implants. The Toronto Study: peri-implant mucosal response. *Int J Oral Maxillofac Implants* 1993;8:151-161.
11. Becker W, Becker BE. Replacement of maxillary and mandibular molars with single endosseous implant restorations: a retrospective study. *J Prosthet Dent* 1995;74:51-5.
12. Behneke A, Behneke N. [Korrelation und Prädiktion klinischer und radiologischer Parameter enossaler Implantate]. *Z Zahnärztl Implantol* 1999;15:209-223.
13. Behneke A, Behneke N, d'Hoedt B. A 5-year longitudinal study of the clinical effectiveness of ITI solid-screw implants in the treatment of mandibular edentulism. *Int J Oral Maxillofac Implants* 2002;17:799-810.
14. Behneke A, Behneke N, d'Hoedt B, Wagner W. Hard and soft tissue reactions to ITI screw implants: 3-year longitudinal results of a prospective study. *Int J Oral Maxillofac Implants* 1997;12:749-57.
15. Behneke N, Behneke A, Fuhr K, d'Hoedt B. [Langzeitergebnisse mit IMZ- und TPS- Implantaten im zahnlosen Unterkiefer]. *Dtsch Zahnärztl Z* 1997;52:283-290.
16. Beniashvili R, Heymann C, Parsanejad H, Nentwig G. [Zahn-implantat- und rein implantat-getragene Rekonstruktionen]. *Z Zahnärztl Implantol* 1999;15:87-91.
17. Benzing U, Weber H, Simonis A, Engel E. Changes in chewing patterns after implantation in the edentulous mandible. *Int J Oral Maxillofac Implants* 1994;9:207-13.
18. Berglundh T, Lindhe J. Dimension of the periimplant mucosa. Biological width revisited. *J Clin Periodontol* 1996;23:971-3.

19. Berglundh T, Lindhe J, Marinello C, Ericsson I, Liljenberg B. Soft tissue reaction to de novo plaque formation on implants and teeth. An experimental study in the dog. *Clin Oral Implants Res* 1992;3:1-8.
20. Blomberg S, Lindquist LW. Psychological reactions to edentulousness and treatment with jawbone-anchored bridges. *Acta Psychiatr Scand* 1983;68:251-62.
21. Boerrigter EM, Stegenga B, Raghoobar GM, Boering G. Patient satisfaction and chewing ability with implant-retained mandibular overdentures: a comparison with new complete dentures with or without preprosthetic surgery. *J Oral Maxillofac Surg* 1995;53:1167-73.
22. Branemark PI, Hansson BO, Adell R, Breine U, Lindstrom J, Hallen O, et al. Osseointegrated implants in the treatment of the edentulous jaw. Experience from a 10-year period. *Scand J Plast Reconstr Surg Suppl* 1977;16:1-132.
23. Brocard D, Barthet P, Baysse E, Duffort JF, Eller P, Justumus P, et al. A multi-center report on 1,022 consecutively placed ITI implants: a 7-year longitudinal study. *Int J Oral Maxillofac Implants* 2000;15:691-700.
24. Buser D, Mericske-Stern R, Bernard JP, Behneke A, Behneke N, Hirt HP, et al. Long-term evaluation of non-submerged ITI implants. Part 1: 8-year life table analysis of a prospective multi-center study with 2359 implants. *Clin Oral Implants Res* 1997;8:161-72.
25. Carlsson GE, Lindquist LW. Ten-year longitudinal study of masticatory function in edentulous patients treated with fixed complete dentures on osseointegrated implants. *Int J Prosthodont* 1994;7:448-53.
26. Chaytor DV, Zarb GA, Schmitt A, Lewis DW. The longitudinal effectiveness of osseointegrated dental implants. The Toronto Study: bone level changes. *Int J Periodontics Restorative Dent* 1991;11:112-25.

27. Cherng-Tzeh C, Morris H, Ochi S, Walker L, Des Rosier D. Crestal bone loss associated with the Ankylos Implant: Loading to 36 month. *J Oral Implantol* 2004;30:134-143.
28. Cochran DL, Hermann JS, Schenk RK, Higginbottom FL, Buser D. Biologic width around titanium implants. A histometric analysis of the implanto-gingival junction around unloaded and loaded nonsubmerged implants in the canine mandible. *J Periodontol* 1997;68:186-98.
29. Cooper LF, Masuda T, Whitson SW, Yliheikkila P, Felton DA. Formation of mineralizing osteoblast cultures on machined, titanium oxide grit-blasted, and plasma-sprayed titanium surfaces. *Int J Oral Maxillofac Implants* 1999;14:37-47.
30. d'Hoedt B, Büsing C. [Die Einheilung von Al₂O₃-Keramik am Beispiel des Tübinger Implantates (Frialit)]. *Fortschr Zahnärztl Implantol* 1985;1:150-162.
31. d'Hoedt B, Handtmann S, Gomez-Roman G, Axmann D, Schulte W. Verweildaueranalysen nach Kaplan-Meier und Cutler-Ederer für enossale Implantate verschiedener Systeme. *Z Zahnärztl Implantol* 1996;12:110-120.
32. Davies JE. Mechanisms of endosseous integration. *Int J Prosthodont* 1998;11:391-401.
33. De Smet E, Jacobs R, Gijbels F, Naert I. The accuracy and reliability of radiographic methods for the assessment of marginal bone level around oral implants. *Dentomaxillofac Radiol* 2002;31:176-81.
34. Donlay T, Gillette W. Titanium endosseous implant-soft tissue interface: A literature review. *J Periodontol* 1991;2:153-60.
35. Döring K. [Hart- und Weichgewebesituation an Einzelzahnimplantaten- 1-Jahresergebnisse einer klinischen prospektiven Studie]. Dissertation. 2003.

36. Falk H, Laurell L, Lundgren D. Occlusal force pattern in dentitions with mandibular implant-supported fixed cantilever prostheses occluded with complete dentures. *Int J Oral Maxillofac Implants* 1989;4:55-62.
37. Fichtner G, Schlägel K. [Klinische Befunde bei Blattimplantaten-eine retrospektive Studie]. *ZMK* 1993;9:6-11.
38. Fichtner G, Schlägel K, Toutenburg A. [Klinische Befunde bei Blattimplantaten-eine retrospektive Studie]. *Zahnheilkunde* 1996;4:6-12.
39. Geertman ME, Boerrigter EM, Van Waas MA, van Oort RP. Clinical aspects of a multicenter clinical trial of implant-retained mandibular overdentures in patients with severely resorbed mandibles. *J Prosthet Dent* 1996;75:194-204.
40. Glantz P-O, Rangert B, Svensson A, Stafford G, Arnvidarson B, Randow K, et al. On clinical loading of osseointegrated implants. *Clin Oral Implants Res* 1993;4:99-105.
41. Gómez-Román G, Axmann D, d'Hoedt B, Schulte W. [Eine Methode zur quantitativen Erfassung und statistischen Auswertung des periimplantären Knochenabbaus]. *Stomatol.* 1995;9:463-471.
42. Gómez-Román G, Jäger B, Axmann D, Lachmann S, Weber H. [Einfluss des Implantatabstandes bei implantatretinierten Unterkiefer-Totalprothesen auf das periimplantäre Gewebe]. *Z Zahnärztl Implantol* 2004;1:14-18.
43. Gómez-Román G, Lukas D, Beniashvili R, Schulte W. Area-dependent enlargement ratios of Panoramic Tomographie on orthograde patient positioning and its significance for implant dentistry. *Int J Oral Maxillofac Implants* 1999;14:248-257.
44. Gómez-Román G, Schröer A, Schäfer I, Möws K, Hillges A. [Die Vermessung periimplantärer Knochendefekte auf Röntgenaufnahmen mit Hilfe der digitalen Bildbearbeitung]. *Z Zahnärztl Implantol* 1999;15:133-138.

45. Gomez-Roman G, Schulte W, d'Hoedt B, Axmann D. The Frialit-2 implant system: five year clinical experience in single-tooth and immediately postextraction applikations. *Int J Oral Maxillofac Implants* 1997;12:299-309.
46. Grogono AL, Lancaster DM, Finger IM. Dental implants: a survey of patients' attitudes. *J Prosthet Dent* 1989;62:573-6.
47. Grondahl K, Grondahl H-G, Wennström J, Heijl L. Examiner agreement in estimating changes in periodontal bone from conventional and subtraction radiographs. *J Clin Periodontol* 1987;14:74-79.
48. Grondahl K, Sunden S, Grondahl HG. Inter- and intraobserver variability in radiographic bone level assessment at Branemark fixtures. *Clin Oral Implants Res* 1998;9:243-50.
49. Grössner-Schreiber B, Tuan R. [Die Bedeutung der Oberfläche von Titanimplantaten im Osseointegrationsvorgang]. *Dtsch Zahnärztl Z* 1991;46:691.
50. Haas R, Mensdorff-Pouilly N, Mailath G, Watzek G. Survival of 1,920 IMZ implants followed for up to 100 months. *Int J Oral Maxillofac Implants* 1996;11:581-8.
51. Harle TJ, Anderson JD. Patient satisfaction with implant-supported prostheses. *Int J Prosthodont* 1993;6:153-62.
52. Henry PJ, Laney WR, Jemt T, Harris D, Krogh PH, Polizzi G, et al. Osseointegrated implants for single-tooth replacement: a prospective 5-year multicenter study. *Int J Oral Maxillofac Implants* 1996;11:450-5.
53. Hill W, Thornton B, Reichsthaler J, Schneider B. Statistical analysis on the success potential of osseointegrated implants: A prospective single-dimension statistical analysis. *J Prosth Dent* 1993;69:176-185.
54. Hoogstraten J, Lamers LM. Patient satisfaction after insertion of an osseointegrated implant bridge. *J Oral Rehabil* 1987;14:481-7.

55. Jäger K, Wirz J. [In-vitro-Spannungsanalysen an Implantaten in Abhängigkeit von den hybridprothetischen Suprakonstruktionen]. *Z Zahnärztl Implantol* 1993;9:42-49.
56. Jansen V. [Zur Genauigkeit des Orthopantomogramms bei der Bestimmung des Knochenabbaus an IMZ-Implantaten.]. *Z Zahnärztl Implantol* 1993;9:200-204.
57. Jemt T, Book K. Prosthesis misfit and marginal bone loss in edentulous implant patients. *Int J Oral Maxillofac Implants* 1996;11:620-5.
58. Jovanovic SA. The management of peri-implant breakdown around functioning osseointegrated dental implants. *J Periodontol* 1993;64:1176-83.
59. Klaus R, Romanos G, Egerer C, Nentwig G. [Die Versorgung von Freundsituationen mit Rekonstruktionen auf der Basis des Ankylos-Systems]. *Z Zahnärztl Implantol* 1997;4.
60. Kreisler M, Behneke N, Behneke A, d'Hoedt B. Residual ridge resorption in the edentulous maxilla in patients with implant-supported mandibular overdentures: an 8-year retrospective study. *Int J Prosthodont* 2003;16:295-300.
61. Lange D, Plagmann H, Eenboom A, Promesberger A. [Klinische Bewertungsverfahren zur Objektivierung der Mundhygiene]. *Dtsch Zahnärztl Z* 1977;32:44.
62. Lazzara RJ. Immediate implant placement into extraction sites: surgical and restorative advantages. *Int J Periodontics Restorative Dent* 1989;9:332-43.
63. Levine RA, Clem DS, 3rd, Wilson TG, Jr., Higginbottom F, Solnit G. Multicenter retrospective analysis of the ITI implant system used for single-tooth replacements: results of loading for 2 or more years. *Int J Oral Maxillofac Implants* 1999;14:516-20.
64. Löe H, Sillness J. Periodontal disease in pregnancy 1. *Acta Odont Scand* 1963;21:533.

65. Mailath G, Stoiber B, Watzek G, Matejka M. [Die Knochenresorption an der Eintrittsstelle osseointegrierter Implantate-ein biomechanisches Phänomen. Eine Finite-Elemente-Studie]. *Z Stomatol* 1989;4:207-16.
66. Maiorana C, Sigurta D, Mirandola A, Garlini G, Santoro F. Bone resorption around dental implants placed in grafted sinuses: clinical and radiologic follow-up after up to 4 years. *Int J Oral Maxillofac Implants* 2005;20:261-6.
67. Mairgünther R. [Das Dichtigkeitsverhalten des Verbindungssystems beim zweiphasigen NM-Implantat]. *Z Zahnärztl Implantol* 1992;8:50-53.
68. Meijer HJ, Steen WH, Bosman F. Standardized radiographs of the alveolar crest around implants in the mandible. *J Prosthet Dent* 1992;68:318-21.
69. Mericske-Stern R, Assal P, Mericske E, Burgin W. Occlusal force and oral tactile sensibility measured in partially edentulous patients with ITI implants. *Int J Oral Maxillofac Implants* 1995;10:345-53.
70. Mericske-Stern R, Steinlin Schaffner T, Marti P, Geering AH. Peri-implant mucosal aspects of ITI implants supporting overdentures. A five-year longitudinal study. *Clin Oral Implants Res* 1994;5:9-18.
71. Mombelli A, van Oosten MA, Schurch E, Jr., Land NP. The microbiota associated with successful or failing osseointegrated titanium implants. *Oral Microbiol Immunol* 1987;2:145-51.
72. Nentwig G, Moser W, Knefel T, Ficker E. [Dreidimensionale spannungsoptische Untersuchungen der NM-Implantatgewindeform im Vergleich mit herkömmlichen Implantatgewinden]. *Z Zahnärztl Implantol* 1992;8:130-135.
73. Nentwig G, Moser W, Mairgünther R. [Das Ankylos-Implantatsystem-Konzept, Klinik, Ergebnisse]. *Implantologie* 1993;3:225-237.
74. Nentwig G, Reichel M. [Vergleichende Untersuchungen zur Mikromorphologie und Gesamtoberfläche enossaler Implantate]. *Z Zahnärztl Implantol* 1994;10:150-154.

75. Norton MR. Marginal bone levels at single tooth implants with a conical fixture design. The influence of surface macro- and microstructure. *Clin Oral Implants Res* 1998;9:91-9.
76. Palmer RM, Smith BJ, Palmer PJ, Floyd PD. A prospective study of Astra single tooth implants. *Clin Oral Implants Res* 1997;8:173-9.
77. Parein AM, Eckert SE, Wollan PC, Keller EE. Implant reconstruction in the posterior mandible: a long-term retrospective study. *J Prosthet Dent* 1997;78:34-42.
78. Pharaoh M. Imagine techniques and their clinical significance. *Int J Prosthodont* 1993;6:176-179.
79. Piatelli A, Scarano A, Piatelli M, Bertolai R, Panzoni E. Histologic aspects of bone and soft tissues surrounding three titanium nonsubmerged plasma-sprayed implants retrieved at autopsy: a case report. *J Clin Periodontol* 1997;68:694-700.
80. Quirynen M, Naert I, van Steenberghe D, Dekeyser C, Callens A. Periodontal aspects of osseointegrated fixtures supporting a partial bridge. An up to 6-years retrospective study. *J Clin Periodontol* 1992;19:118-26.
81. Quirynen M, Naert I, van Steenberghe D, Nys L. A study of 589 consecutive implants supporting complete fixed prostheses. Part I: Periodontal aspects. *J Prosthet Dent* 1992;68:655-63.
82. Rangert B, Jemt T, Jorneus L. Forces and moments on Branemark implants. *Int J Oral Maxillofac Implants* 1989;4:241-7.
83. Richter EJ. In vivo vertical forces on implants. *Int J Oral Maxillofac Implants* 1995;10:99-108.
84. Richter EJ, Jansen V, Spiekermann H, Jovanovic SA. [Langzeitergebnisse von IMZ- und TPS-Implantaten im interforaminalen Bereich des zahnlosen Unterkiefers]. *Dtsch Zahnärztl Z* 1992;47:449-454.

85. Rinke S, Jenatschke R. [Die implantatprothetische Einzelzahnversorgung im Seitenzahnggebiet]. *Quintessenz* 2000;51:1013-1021.
86. Romanos GE, Nentwig GH. Single molar replacement with a progressive thread design implant system: a retrospective clinical report. *Int J Oral Maxillofac Implants* 2000;15:831-6.
87. Roos J, Sennerby L, Lekholm U, Jemt T, Grondahl K, Albrektsson T. A qualitative and quantitative method for evaluating implant success: a 5-year retrospective analysis of the Branemark implant. *Int J Oral Maxillofac Implants* 1997;12:504-14.
88. Schou S, Holmstrup P, Hjorting-Hansen E, Lang NP. Plaque-induced marginal tissue reactions of osseointegrated oral implants: a review of the literature. *Clin Oral Implants Res* 1992;3:149-61.
89. Schrott A, Linke J, Graef F, Wichmann M, Heckmann S. [Teleskopstabilisierter Zahnersatz auf zwei interforaminalen Implantaten]. *Z Zahnärztl Implantol* 2004;2:100-105.
90. Schulze R, Schallenbach F, d'Hoedt B. [Auswirkungen von Positionierungsfehlern auf Vergrößerungsfaktoren im Unterkiefer bei der digitalen Panoramaschichtaufnahme]. *Mund Kiefer GesichtsChir* 2000;4:164-170.
91. Smith DE, Zarb GA. Criteria for success of osseointegrated endosseous implants. *J Prosthet Dent* 1989;62:567-72.
92. Socransky SS, Haffajee AD, Cugini MA, Smith C, Kent RL, Jr. Microbial complexes in subgingival plaque. *J Clin Periodontol* 1998;25:134-44.
93. Spiekermann H, Jansen VK, Richter EJ. A 10-year follow-up study of IMZ and TPS implants in the edentulous mandible using bar-retained overdentures. *Int J Oral Maxillofac Implants* 1995;10:231-43.

94. Spörlein E, Stein R. [Nachuntersuchung von 100 Tübinger Sofortimplantaten unter Berücksichtigung der parodontalen Situation, der Belastung und der knöchernen Integration]. *Z Zahnärztl Implantol* 1987;3:13-17.
95. Szabo G, Keck B, d'Hoedt B. [Präimplantologische Diagnostik mit individuellen Röntgenschablonen im Orthopantomogramm]. *Z Zahnärztl Implantol* 1991;7:33-36.
96. Tavares M, Branch LG, Shulman L. Dental implant patients and their satisfaction with treatment. *J Dent Educ* 1990;54:670-9.
97. Teixeira ER, Sato Y, Akagawa Y, Kimoto T. Correlation between mucosal inflammation and marginal bone loss around hydroxyapatite-coated implants: a 3-year cross-sectional study. *Int J Oral Maxillofac Implants* 1997;12:74-81.
98. Tetsch P, Ackermann K, Behneke N, Galandi M, Geis-Gerstorfer J, Kerschbaum T, et al. [Konsensuskonferenz zur Implantologie Mainz 1989]. *Z Zahnärztl Implantol* 1990;6:5-14.
99. Thanyakarn C, Hansen K, Rohlin M, Akesson L. Measurements of tooth length in panoramic radiographs. 1. The use of indicators. *Dentomaxillofac Radiol* 1992;21:26-30.
100. Tronje G, Eliasson S, Julin P, Welander U. Image distortion in rotational panoramic radiography. II. Vertical distances. *Acta Radiol Diagn (Stockh)* 1981;22:449-55.
101. Tronje G, Welander U, McDavid WD, Morris CR. Image distortion in rotational panoramic radiography. IV. Object morphology; outer contours. *Acta Radiol Diagn (Stockh)* 1981;22:689-96.
102. Weber HP, Buser D, Fiorellini JP, Williams RC. Radiographic evaluation of crestal bone levels adjacent to nonsubmerged titanium implants. *Clin Oral Implants Res* 1992;3:181-8.

103. Weber HP, Cochran DL. The soft tissue response to osseointegrated dental implants. *J Prosthet Dent* 1998;79:79-89.
104. Weber HP, Crohin CC, Fiorellini JP. A 5-year prospective clinical and radiographic study of non-submerged dental implants. *Clin Oral Implants Res* 2000;11:144-53.
105. Weng D, Nagata M, Melo L, Leite C, Bosco A, Richter EJ. Influence of microgap design on periimplant bone. 2004.
106. Wismeijer D, van Waas M, Vermeeren J. Overdentures supported by ITI implants: A 6,5-year evaluation of patient satisfaction and prosthetic aftercare. *Int J Oral Maxillofac Implants* 1995;10:744-749.