

## REFERENCES

1. Aquilino SA, Shugars DA, Bader JD, White BA. Ten-year survival rates of teeth adjacent to treated and untreated posterior bounded edentulous spaces. *J Prosthet Dent* 2001; 85:455–460.
2. Fueki K, Kimoto K, Ogawa T, Garrett NR. Effect of implant-supported or retained dentures on masticatory performance: a systematic review. *J Prosthet Dent* 2007; 98:470–477.
3. Chan HL, Wang HL. Sinus pathology and anatomy in relation to complications in lateral window sinus augmentation. *Implant Dent* 2011; 20:406–412.
4. Rossetti PH, Bonachela WC, Rossetti LM. Relevant anatomic and biomechanical studies for implant possibilities on the atrophic maxilla: critical appraisal and literature review. *J Prosthodont* 2010; 19:449–457.
5. Tatum H Jr. Maxillary and sinus implant reconstructions. *Dent Clin North Am* 1986; 30:207–229.
6. Summers RB. A new concept in maxillary implant surgery: the osteotome technique. *Compendium* 1994; 15:154–156. 158 passim; quiz 162.

7. Zhen F, Fang W, Jing S, Zuolin W. The use of a piezoelectric ultrasonic osteotome for internal sinus elevation: a retrospective analysis of clinical results. *Int J Oral Maxillofac Implants* 2012; 27:920–926.
8. Tonetti MS, Hammerle CH. Advances in bone augmentation to enable dental implant placement: consensus report of the Sixth European Workshop on Periodontology. *J Clin Periodontol* 2008; 35:168–172.
9. Rickert D, Vissink A, Slater JJ, Meijer HJ, Raghoobar GM. Comparison between conventional and piezoelectric surgical tools for maxillary sinus floor elevation. A randomized controlled clinical trial. *Clin Implant Dent Relat Res* 2013; 15:297–302.
10. Del Fabbro M, Rosano G, Taschieri S. Implant survival rates after maxillary sinus augmentation. *Eur J Oral Sci* 2008; 116:497–506.
11. Pjetursson BE, Tan WC, Zwahlen M, Lang NP. A systematic review of the success of sinus floor elevation and survival of implants inserted in combination with sinus floor elevation. *J Clin Periodontol* 2008; 35:216–240.
12. Esposito M, Grusovin MG, Rees J, et al. Interventions for replacing missing teeth: augmentation procedures of the maxillary sinus. *Cochrane Database Syst Rev* 2010; (3):CD008397.
13. Del Fabbro M, Corbella S, Weinstein T, Ceresoli V, Taschieri S. Implant survival rates after osteotome-mediated maxillary sinus augmentation: a systematic review. *Clin Implant Dent Relat Res* 2012; 14 (Suppl 1): e159–e168.
14. Del Fabbro M, Testori T, Francetti L, Weinstein R. Systematic review of survival rates for implants placed in the grafted maxillary sinus. *Int J Periodontics Restorative Dent* 2004; 24:565–577.
15. Torretta S, Mantovani M, Testori T, Cappadona M, Pignataro L. Importance of ENT assessment in stratifying candidates for sinus floor elevation: a prospective clinical study. *Clin Oral Implants Res* 2011. doi: 10.1111/j.1600-0501.2011.02371.x.
16. Pignataro L, Mantovani M, Torretta S, Felisati G, Sambataro G. ENT assessment in the integrated management of candidate for (maxillary) sinus lift. *Acta Otorhinolaryngol Ital* 2008; 28:110–119.
17. Katranji A, Fotek P, Wang HL. Sinus augmentation complications: etiology and treatment. *Implant Dent* 2008; 17:339–349.
18. Schwartz-Arad D, Herzberg R, Dolev E. The prevalence of surgical complications of the sinus graft procedure and their impact on implant survival. *J Periodontol* 2004; 75: 511–516.
19. Annibaldi S, Cristalli MP, Dell'Aquila D, Bignozzi I, La Monaca G, Pilloni A. Short dental implants: a systematic review. *J Dent Res* 2012; 91:25–32.
20. Taschieri S, Corbella S, Del Fabbro M. Mini-invasive osteotome sinus floor elevation in partially edentulous atrophic maxilla using reduced length dental Implants: interim results of a prospective study. *Clin Implant Dent Relat Res* 2010. doi: 10.1111/j.1708-8208.2010.00303.x.
21. Esposito M, Cannizzaro G, Soardi E, et al. Posterior atrophic jaws rehabilitated with prostheses supported by 6 mm-long, 4 mm-wide implants or by longer implants in augmented bone. Preliminary results from a pilot randomised controlled trial. *Eur J Oral Implantol* 2012; 5: 19–33.
22. Atieh MA, Zadeh H, Stanford CM, Cooper LF. Survival of short dental implants for treatment of posterior partial edentulis: a systematic review. *Int J Oral Maxillofac Implants* 2012; 27:1323–1331.
23. Feldman S, Boitel N, Weng D, Kohles SS, Stach RM. Five-year survival distributions of short-length (10 mm or less) machined-surfaced and Osseotite implants. *Clin Implant Dent Relat Res* 2004; 6:16–23.
24. Maló P, de Araujo Nobre M, Rangert B. Short implants placed one-stage in maxillae and mandibles: a retrospective clinical study with 1 to 9 years of follow-up. *Clin Implant Dent Relat Res* 2007; 9:15–21.
25. Lai HC, Si MS, Zhuang LF, Shen H, Liu YL, Wismeijer D. Long-term outcomes of short dental implants supporting single crowns in posterior region: a clinical retrospective study of 5–10 years. *Clin Oral Implants Res* 2013; 24:230–237.
26. Perelli M, Abundo R, Corrente G, Saccone C. Short (5 and 7 mm long) porous implants in the posterior atrophic maxilla: a 5-year report of a prospective single-cohort study. *Eur J Oral Implantol* 2012; 5:265–272.
27. Ferrigno N, Laureti M, Fanali S. Dental implants placement in conjunction with osteotome sinus floor elevation: a 12-year life-table analysis from a prospective study on 588 ITI implants. *Clin Oral Implants Res* 2006; 17:194–205.
28. Pjetursson BE, Rast C, Bragger U, Schmidlin K, Zwahlen M, Lang NP. Maxillary sinus floor elevation using the (transalveolar) osteotome technique with or without grafting material. Part I: implant survival and patients' perception. *Clin Oral Implants Res* 2009; 20:667–676.
29. Fermergard R, Astrand P. Osteotome sinus floor elevation without bone grafts – a 3-year retrospective study with Astra Tech implants. *Clin Implant Dent Relat Res* 2012; 14:198–205.
30. Nedir R, Nurdin N, Vazquez L, Szmukler-Moncler S, Bischof M, Bernard JP. Osteotome sinus floor elevation technique without grafting: a 5-year prospective study. *J Clin Periodontol* 2010; 37:1023–1028.
31. Bruschi GB, Crespi R, Cappare P, Gherlone E. Transcrestal sinus floor elevation: a retrospective study of 46 patients up to 16 years. *Clin Implant Dent Relat Res* 2012; 14:759–767.

32. Crespi R, Cappare P, Gherlone E. Osteotome sinus floor elevation and simultaneous implant placement in grafted biomaterial sockets: 3 years of follow-up. *J Periodontol* 2010; 81:344–349.
33. Calvo-Guirado JL, Gomez-Moreno G, Lopez-Mari L, Ortiz-Ruiz AJ, Guardia-Munoz J. Atraumatic maxillary sinus elevation using threaded bone dilators for immediate implants. A three-year clinical study. *Med Oral Patol Oral Cir Bucal* 2010; 15:e366–e370.
34. Bernardello F, Righi D, Cosci F, Bozzoli P, Carlo MS, Spinato S. Crestal sinus lift with sequential drills and simultaneous implant placement in sites with <5 mm of native bone: a multicenter retrospective study. *Implant Dent* 2011; 20:439–444.
35. Hurzeler MB, Kirsch A, Ackermann KL, Quinones CR. Reconstruction of the severely resorbed maxilla with dental implants in the augmented maxillary sinus: a 5-year clinical investigation. *Int J Oral Maxillofac Implants* 1996; 11:466–475.
36. Block MS, Kent JN. Sinus augmentation for dental implants: the use of autogenous bone. *J Oral Maxillofac Surg* 1997; 55:1281–1286.
37. Block MS, Kent JN, Kallukaran FU, Thunthy K, Weinberg R. Bone maintenance 5 to 10 years after sinus grafting. *J Oral Maxillofac Surg* 1998; 56:706–714. discussion 714–705.
38. Kaptein ML, de Putter C, de Lange GL, Blijdorp PA. Survival of cylindrical implants in composite grafted maxillary sinuses. *J Oral Maxillofac Surg* 1998; 56:1376–1380. discussion 1380–1381.
39. Buchmann R, Khoury F, Faust C, Lange DE. Peri-implant conditions in periodontally compromised patients following maxillary sinus augmentation. A long-term post-therapy trial. *Clin Oral Implants Res* 1999; 10:103–110.
40. Johansson B, Wannfors K, Ekenback J, Smedberg JI, Hirsch J. Implants and sinus-inlay bone grafts in a 1-stage procedure on severely atrophied maxillae: surgical aspects of a 3-year follow-up study. *Int J Oral Maxillofac Implants* 1999; 14:811–818.
41. Lekholm U, Wannfors K, Isaksson S, Adielsson B. Oral implants in combination with bone grafts. A 3-year retrospective multicenter study using the Branemark implant system. *Int J Oral Maxillofac Surg* 1999; 28:181–187.
42. Becktor JP, Eckert SE, Isaksson S, Keller EE. The influence of mandibular dentition on implant failures in bone-grafted edentulous maxillae. *Int J Oral Maxillofac Implants* 2002; 17:69–77.
43. Valentini P, Abensur DJ. Maxillary sinus grafting with anorganic bovine bone: a clinical report of long-term results. *Int J Oral Maxillofac Implants* 2003; 18:556–560.
44. Hallman M, Nordin T. Sinus floor augmentation with bovine hydroxyapatite mixed with fibrin glue and later placement of nonsubmerged implants: a retrospective study in 50 patients. *Int J Oral Maxillofac Implants* 2004; 19:222–227.
45. Boyne PJ, Lilly LC, Marx RE, et al. De novo bone induction by recombinant human bone morphogenetic protein-2 (rhBMP-2) in maxillary sinus floor augmentation. *J Oral Maxillofac Surg* 2005; 63:1693–1707.
46. Ellegaard B, Baelum V, Kolsen-Petersen J. Non-grafted sinus implants in periodontally compromised patients: a time-to-event analysis. *Clin Oral Implants Res* 2006; 17:156–164.
47. Peleg M, Garg AK, Mazor Z. Predictability of simultaneous implant placement in the severely atrophic posterior maxilla: a 9-year longitudinal experience study of 2132 implants placed into 731 human sinus grafts. *Int J Oral Maxillofac Implants* 2006; 21:94–102.
48. Becktor JP, Isaksson S, Sennerby L. Endosseous implants and bone augmentation in the partially dentate maxilla: an analysis of 17 patients with a follow-up of 29 to 101 months. *Int J Oral Maxillofac Implants* 2007; 22:603–608.
49. Huynh-Ba G, Friedberg JR, Vogiatzi D, Ioannidou E. Implant failure predictors in the posterior maxilla: a retrospective study of 273 consecutive implants. *J Periodontol* 2008; 79:2256–2261.
50. Bornstein MM, Chappuis V, von Arx T, Buser D. Performance of dental implants after staged sinus floor elevation procedures: 5-year results of a prospective study in partially edentulous patients. *Clin Oral Implants Res* 2008; 19:1034–1043.
51. Yamamichi N, Itose T, Neiva R, Wang HL. Long-term evaluation of implant survival in augmented sinuses: a case series. *Int J Periodontics Restorative Dent* 2008; 28:163–169.
52. Blus C, Szmukler-Moncler S, Salama M, Salama H, Garber D. Sinus bone grafting procedures using ultrasonic bone surgery: 5-year experience. *Int J Periodontics Restorative Dent* 2008; 28:221–229.
53. Sbordone L, Toti P, Menchini-Fabris G, Sbordone C, Guidetti F. Implant success in sinus-lifted maxillae and native bone: a 3-year clinical and computerized tomographic follow-up. *Int J Oral Maxillofac Implants* 2009; 24:316–324.
54. Manso MC, Wassal T. A 10-year longitudinal study of 160 implants simultaneously installed in severely atrophic posterior maxillas grafted with autogenous bone and a synthetic bioactive resorbable graft. *Implant Dent* 2010; 19:351–360.
55. Scarano A, Piattelli A, Assenza B, et al. Porcine bone used in sinus augmentation procedures: a 5-year retrospective clinical evaluation. *J Oral Maxillofac Surg* 2010; 68:1869–1873.
56. Garlini G, Redemagni M, Donini M, Maiorana C. Maxillary sinus elevation with an alloplastic material and implants:

- 11 years of clinical and radiologic follow-up. *J Oral Maxillofac Surg* 2010; 68:1152–1157.
57. Zijdeveld SA, Schulten EA, Aartman IH, ten Bruggenkate CM. Long-term changes in graft height after maxillary sinus floor elevation with different grafting materials: radiographic evaluation with a minimum follow-up of 4.5 years. *Clin Oral Implants Res* 2009; 20: 691–700.
  58. Cho-Lee GY, Naval-Gias L, Castrejon-Castrejon S, et al. A 12-year retrospective analytic study of the implant survival rate in 177 consecutive maxillary sinus augmentation procedures. *Int J Oral Maxillofac Implants* 2010; 25:1019–1027.
  59. Lambert F, Lecloux G, Rompen E. One-step approach for implant placement and subantral bone regeneration using bovine hydroxyapatite: a 2- to 6-year follow-up study. *Int J Oral Maxillofac Implants* 2010; 25:598–606.
  60. Barone A, Orlando B, Tonelli P, Covani U. Survival rate for implants placed in the posterior maxilla with and without sinus augmentation: a comparative cohort study. *J Periodontol* 2011; 82:219–226.
  61. Caubet J, Petzold C, Saez-Torres C, et al. Sinus graft with safescraper: 5-year results. *J Oral Maxillofac Surg* 2011; 69:482–490.
  62. Lin IC, Gonzalez AM, Chang HJ, Kao SY, Chen TW. A 5-year follow-up of 80 implants in 44 patients placed immediately after the lateral trap-door window procedure to accomplish maxillary sinus elevation without bone grafting. *Int J Oral Maxillofac Implants* 2011; 26:1079–1086.
  63. Ozkan Y, Akoglu B, Kulak-Ozkan Y. Maxillary sinus floor augmentation using bovine bone grafts with simultaneous implant placement: a 5-year prospective follow-up study. *Implant Dent* 2011; 20:455–459.
  64. Krennmair G, Krainhofner M, Schmid-Schwab M, Piehslinger E. Maxillary sinus lift for single implant-supported restorations: a clinical study. *Int J Oral Maxillofac Implants* 2007; 22:351–358.
  65. Jurisic M, Markovic A, Radulovic M, Brkovic BM, Sandor GK. Maxillary sinus floor augmentation: comparing osteotome with lateral window immediate and delayed implant placements. An interim report. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod* 2008; 106:820–827.
  66. Tetsch J, Tetsch P, Lysek DA. Long-term results after lateral and osteotome technique sinus floor elevation: a retrospective analysis of 2190 implants over a time period of 15 years. *Clin Oral Implants Res* 2010; 21:497–503.
  67. Neldam CA, Pinholt EM. State of the art of short dental implants: a systematic review of the literature. *Clin Implant Dent Relat Res* 2010. doi: 10.1111/j.1708-8208.2010.00303.x.
  68. Pommer B, Frantal S, Willer J, Posch M, Watzek G, Tepper G. Impact of dental implant length on early failure rates: a meta-analysis of observational studies. *J Clin Periodontol* 2011; 38:856–863.
  69. Emmerich D, Att W, Stappert C. Sinus floor elevation using osteotomes: a systematic review and meta-analysis. *J Periodontol* 2005; 76:1237–1251.
  70. Tan WC, Lang NP, Zwahlen M, Pjetursson BE. A systematic review of the success of sinus floor elevation and survival of implants inserted in combination with sinus floor elevation. Part II: transalveolar technique. *J Clin Periodontol* 2008; 35:241–254.
  71. Esposito M, Grusovin MG, Rees J, et al. Effectiveness of sinus lift procedures for dental implant rehabilitation: a Cochrane systematic review. *Eur J Oral Implantol* 2010; 3:7–26.
  72. Xu H, Shimizu Y, Ooya K. Histomorphometric study of the stability of newly formed bone after elevation of the floor of the maxillary sinus. *Br J Oral Maxillofac Surg* 2005; 43: 493–499.
  73. Palma VC, Magro-Filho O, de Oliveria JA, Lundgren S, Salata LA, Sennerby L. Bone reformation and implant integration following maxillary sinus membrane elevation: an experimental study in primates. *Clin Implant Dent Relat Res* 2006; 8:11–24.
  74. Kim HR, Choi BH, Xuan F, Jeong SM. The use of autologous venous blood for maxillary sinus floor augmentation in conjunction with sinus membrane elevation: an experimental study. *Clin Oral Implants Res* 2010; 21:346–349.
  75. Srouji S, Kizhner T, Ben David D, Riminucci M, Bianco P, Livne E. The Schneiderian membrane contains osteoprogenitor cells: in vivo and in vitro study. *Calcif Tissue Int* 2009; 84:138–145.
  76. Hatano N, Sennerby L, Lundgren S. Maxillary sinus augmentation using sinus membrane elevation and peripheral venous blood for implant-supported rehabilitation of the atrophic posterior maxilla: case series. *Clin Implant Dent Relat Res* 2007; 9:150–155.
  77. Del Fabbro M, Wallace SS, Testori T. Long-term implant survival in the grafted maxillary sinus: a systematic review. *Int J Periodontics Restorative Dent* 2013. (In press).
  78. Nkenke E, Stelzle F. Clinical outcomes of sinus floor augmentation for implant placement using autogenous bone or bone substitutes: a systematic review. *Clin Oral Implants Res* 2009; 20 (Suppl 4):124–133.
  79. Chiapasco M, Casentini P, Zaniboni M. Bone augmentation procedures in implant dentistry. *Int J Oral Maxillofac Implants* 2009; 24 (Suppl):237–259.
  80. Chao Y-L, Chen H-H, Mei C-C, Tu Y-K, Lu H-K. Meta-regression analysis of the initial bone height for predicting implant survival rates of two sinus elevation procedures. *J Clin Periodontol* 2010; 37:456–465.
  81. Ardekian L, Oved-Peleg E, Mactei EE, Peled M. The clinical significance of sinus membrane perforation during

augmentation of the maxillary sinus. *J Oral Maxillofac Surg* 2006; 64:277–282.

82. Shalabi MM, Manders P, Mulder J, Jansen JA, Creugers NH. A meta-analysis of clinical studies to estimate the 4.5-year survival rate of implants placed with the osteotome technique. *Int J Oral Maxillofac Implants* 2007; 22:110–116.
83. van den Bergh JP, ten Bruggenkate CM, Disch FJ, Tuinzing DB. Anatomical aspects of sinus floor elevations. *Clin Oral Implants Res* 2000; 11:256–265.

## REFERENCES OF THE EXCLUDED STUDIES

84. Kim SM, Park JW, Suh JY, Sohn DS, Lee JM. Bone-added osteotome technique versus lateral approach for sinus floor elevation: a comparative radiographic study. *Implant Dent* 2011; 20:465–470.
85. Conrad HJ, Jung J, Barczak M, Basu S, Seong WJ. Retrospective cohort study of the predictors of implant failure in the posterior maxilla. *Int J Oral Maxillofac Implants* 2011; 26:154–162.
86. Rodoni LR, Glauser R, Feloutzis A, Hammerle CH. Implants in the posterior maxilla: a comparative clinical and radiologic study. *Int J Oral Maxillofac Implants* 2005; 20:231–237.
87. Simonpieri A, Choukroun J, Del Corso M, Sammartino G, Dohan Ehrenfest DM. Simultaneous sinus-lift and implantation using microthreaded implants and leukocyte- and platelet-rich fibrin as sole grafting material: a six-year experience. *Implant Dent* 2011; 20:2–12.
88. Lee DZ, Chen ST, Darby IB. Maxillary sinus floor elevation and grafting with deproteinized bovine bone mineral: a clinical and histomorphometric study. *Clin Oral Implants Res* 2012; 23:918–924.
89. Urban IA, Lozada JL. A prospective study of implants placed in augmented sinuses with minimal and moderate residual crestal bone: results after 1 to 5 years. *Int J Oral Maxillofac Implants* 2010; 25:1203–1212.
90. Pjetursson BE, Ignjatovic D, Matuliene G, Bragger U, Schmidlin K, Lang NP. Transalveolar maxillary sinus floor elevation using osteotomes with or without grafting material. Part II: radiographic tissue remodeling. *Clin Oral Implants Res* 2009; 20:677–683.
91. Fugazzotto PA, De PS. Sinus floor augmentation at the time of maxillary molar extraction: success and failure rates of 137 implants in function for up to 3 years. *J Periodontol* 2002; 73:39–44.
92. Misch CE, Steingra J, Barboza E, Misch-Dietsh F, Cianciola LJ, Kazor C. Short dental implants in posterior partial edentulism: a multicenter retrospective 6-year case series study. *J Periodontol* 2006; 77:1340–1347.
93. Heinemann F, Mundt T, Biffar R, Gedrange T, Goetz W. A 3-year clinical and radiographic study of implants placed simultaneously with maxillary sinus floor augmentations using a new nanocrystalline hydroxyapatite. *J Physiol Pharmacol* 2009; 60 (Suppl 8):91–97.
94. Maiorana C, Sigurta D, Mirandola A, Garlini G, Santoro F. Sinus elevation with alloplasts or xenogenic materials and implants: an up-to-4-year clinical and radiologic follow-up. *Int J Oral Maxillofac Implants* 2006; 21:426–432.
95. Ewers R. Maxilla sinus grafting with marine algae derived bone forming material: a clinical report of long-term results. *J Oral Maxillofac Surg* 2005; 63:1712–1723.
96. Simion M, Fontana F, Rasperini G, Maiorana C. Long-term evaluation of osseointegrated implants placed in sites augmented with sinus floor elevation associated with vertical ridge augmentation: a retrospective study of 38 consecutive implants with 1- to 7-year follow-up. *Int J Periodontics Restorative Dent* 2004; 24:208–221.
97. Hatano N, Shimizu Y, Ooya K. A clinical long-term radiographic evaluation of graft height changes after maxillary sinus floor augmentation with a 2:1 autogenous bone/xenograft mixture and simultaneous placement of dental implants. *Clin Oral Implants Res* 2004; 15:339–345.
98. Raghoebar GM, Timmenga NM, Reintsema H, Stegenga B, Vissink A. Maxillary bone grafting for insertion of endosseous implants: results after 12–124 months. *Clin Oral Implants Res* 2001; 12:279–286.
99. Mazor Z, Peleg M, Gross M. Sinus augmentation for single-tooth replacement in the posterior maxilla: a 3-year follow-up clinical report. *Int J Oral Maxillofac Implants* 1999; 14:55–60.
100. Chen L, Cha J. An 8-year retrospective study: 1,100 patients receiving 1,557 implants using the minimally invasive hydraulic sinus condensing technique. *J Periodontol* 2005; 76:482–491.
101. Cavicchia F, Bravi F, Petrelli G. Localized augmentation of the maxillary sinus floor through a coronal approach for the placement of implants. *Int J Periodontics Restorative Dent* 2001; 21:475–485.
102. Rosen PS, Summers R, Mellado JR, et al. The bone-added osteotome sinus floor elevation technique: multicenter retrospective report of consecutively treated patients. *Int J Oral Maxillofac Implants* 1999; 14:853–858.
103. Felice P, Pellegrino G, Checchi L, Pistilli R, Esposito M. Vertical augmentation with interpositional blocks of anorganic bovine bone vs. 7-mm-long implants in posterior mandibles: 1-year results of a randomized clinical trial. *Clin Oral Implants Res* 2010; 21:1394–1403.
104. Corrente G, Abundo R, des Ambrois AB, Savio L, Perelli M. Short porous implants in the posterior maxilla: a 3-year report of a prospective study. *Int J Periodontics Restorative Dent* 2009; 29:23–29.
105. Fugazzotto PA. Shorter implants in clinical practice: rationale and treatment results. *Int J Oral Maxillofac Implants* 2008; 23:487–496.

106. Deporter D, Ogiso B, Sohn DS, Ruljancich K, Pharoah M. Ultrashort sintered porous-surfaced dental implants used to replace posterior teeth. *J Periodontol* 2008; 79:1280–1286.
107. Gentile MA, Chuang SK, Dodson TB. Survival estimates and risk factors for failure with 6 x 5.7-mm implants. *Int J Oral Maxillofac Implants* 2005; 20:930–937.
108. Griffin TJ, Cheung WS. The use of short, wide implants in posterior areas with reduced bone height: a retrospective investigation. *J Prosthet Dent* 2004; 92:139–144.
109. Friberg B, Grondahl K, Lekholm U, Branemark PI. Long-term follow-up of severely atrophic edentulous mandibles reconstructed with short Branemark implants. *Clin Implant Dent Relat Res* 2000; 2:184–189.
110. ten Bruggenkate CM, Asikainen P, Foitzik C, Krekeler G, Sutter F. Short (6-mm) nonsubmerged dental implants: results of a Multicenter clinical trial of 1 to 7 years. *Int J Oral Maxillofac Implants* 1998; 13:791–798.
111. Toffler M. Osteotome-mediated sinus floor elevation: a clinical report. *Int J Oral Maxillofac Implants* 2004; 19: 266–273.
112. Nedir R, Bischof M, Briaux JM, Beyer S, Szmukler-Moncler S, Bernard JP. A 7-year life table analysis from a prospective study on ITI implants with special emphasis on the use of short implants. Results from a private practice. *Clin Oral Implants Res* 2004; 15:150–157.
113. Kermalli JY, Deporter DA, Lai JY, Lam E, Atenafu E. Performance of threaded versus sintered porous-surfaced dental implants using open window or indirect osteotome-mediated sinus elevation: a retrospective report. *J Periodontol* 2008; 79:728–736.
114. Nedir R, Bischof M, Vazquez L, Nurdin N, Szmukler-Moncler S, Bernard JP. Osteotome sinus floor elevation technique without grafting material: 3-year results of a prospective pilot study. *Clin Oral Implants Res* 2009; 20:701–707.