

Bibliography

- Aaboe M, Pinholt EM, Schou S, Hjorting-Hansen E. Incomplete bone regeneration of rabbit calvarial defects using different membranes. *Clin Oral Impl Res* 1998;9:313-320.
- Aghaloo TL, Moy PK, Freymiller EG. Investigation of platelet-rich plasma in rabbit cranial defect:: a pilot study. *J Oral Maxillofac Surg* 2002;60:1176-1181.
- Ahn SH, Kim CS, Suk HJ, Lee YJ, Choi SH, Chai JK, Kim CK, Han SB, Cho KS. Effect of recombinant human bone morphogenetic protein-4 with carriers in rat calvarial defects. *J Periodontol* 2003;74:787-797.
- Alberius P, Isaksson S, Klinge B, Sjogren S, Jonsson J. Regeneration of cranial suture and bone plate lesions in rabbits. *J Cranio-Max-Fac Surg* 1990;18:271-279.
- Anitua E. Plasma rich in growth factors: preliminary results of use in the preparation of future sites for implants. *Int J Oral Maxillofac Implant* 1999;14:529-535.
- Arm DM, Tencer AF, Bain SD, Celino D. Effect of controlled release of platelet-derived growth factor from a porous hydroxyapatite implant on bone ingrowth. *Biomaterials* 1996;17:703-709.
- Artzi Z , Nemcovsky CE. The application of deproteinized bovine bone mineral for ridge preservation prior to implantation , clinical and histological observations in a case report. *J Periodontol* ,1998;69:1062-1067.
- Artzi Z , Nemcovsky CE, Tal H. Efficacy of porous bovine bone mineral in various types of osseous deficiencies: clinical observations and literature review. *Int J Periodontics Restorative Dent* 2001;21:395-405.
- Berglundh T, Lindhe J. Healing around implants placed in bone defects treated with Bio-Oss[®]: an experimental study in the dog. *Clin Oral Impl Res* 1997;8:117-124.
- Bidic SMS, Calvert JW, Marra K, Kumta P, Campbell P, Mitchell R, Wigginton W, Hollinger JO, Weiss L, Mooney MP. Rabbit calvarial wound healing by means of seeded Caprotite[®] scaffolds. *J Dent Res* 2003; 82(2):131-135.

- Boyne PJ. Bone grafts : materials. In : Boyne PJ , Peetz M , editors. Osseous reconstruction of the maxilla and mandible : surgical techniques using titanium mesh and bone mineral. Illinois : Quintessence publishing,1997;3-21.
- Boyne PJ. Characterization of xenogenic bone material. In : Boyne PJ, Peetz M , editors. Osseous reconstruction of the maxilla and mandible : surgical techniques using titanium mesh and bone mineral. Illinois : Quintessence publishing,1997;87-100.
- Burchardt H. The biology of bone graft repair. Clin Orthop,1983 ; 174 : 28 –42.
- Camelo M, Nevins ML, Schenk RK, Simion M, Rasperini G, Lynch SE, Nevins M. Clinical, radiographic and histologic evaluation of human periodontal defects treated with Bio-Oss® and Bio-Gide®. Int J Periodontics Restorative Dent ,1998;18:321-331.
- Camelo M, Nevins ML, Lynch SE, Schenk RK, Simion M, Nevins M. Periodontal regeneration with an autogenous bone Bio-Oss composite graft and a Bio-Gide membrane. Int J Periodontics Restorative Dent 2001;21:109-119.
- Chen NT, Glowacki J, Bucky LP, Hong HZ, Kim WK, Yaremchuk MJ. The roles of revascularization and resorption on endurance of craniofacial onlay bone grafts in the rabbit. Plast Reconstr Surg, 1994;93:714-722.
- Citardi MJ, Friedman CD. Nonvascularized autogenous bone grafts for craniofacial skeletal augmentation and replacement. Otolaryngol Clin North Am 1994;27:891-910.
- Cohen RE , Mullarky RH , Noble B , Comean RL , Neider ME. Phenotypic characterization of mononuclear cells following anorganic bovine bone implantation in rats. J Periodontol ,1994;65:1008-1015.
- Dahlin C, Sandberg E, Alberius P, Linde A. Restoration of mandibular nonunion bone defect: an experimental study in rats using an osteopromotive membrane method. Int J Oral Maxillofac Surg 1994;23:237-242.
- De Lacure MD. Physiology of bone healing and bone graft. Otolaryngol Clin North Am,1994 ;27: 859 – 874.

- De Obarrio JJ, Arauz-Dutari JI, Chamberlain TM, Croston A. The use of autologous growth factors in periodontal surgical therapy: platelet gel biotechnology-case reports. *Int J Periodontics Restorative Dent* 2000;20:487-497.
- Ekback G, Edlund B, Smolowicz A, Axelsson K, Kjellberg J, Carlsson O, Schott U. The effects of platelet apheresis in total hip replacement surgery on platelet activation. *Acta Anaesthesiol Scand* 2002;46:68-73.
- Ermis I, Poole M. The effects of soft tissue coverage on bone graft resorption in the craniofacial region. *Br J Plast Surg* 1992;45:26-29.
- Fennis JPM, Stoelinga PJW, Jansen JA. Mandibular reconstruction: a clinical and radiographic animal-study on the use of autogenous scaffold and PRP. *Int J Oral Maxillofac Surg* 2002;31:281-286.
- Flecknell PA. Anesthesia of common laboratory species : rabbits. In : Flecknell PA. *Laboratory animal anesthesia*. 2nd edition , London ; Academic press limited ,1996;182-190.
- Fleming JE, Cornell CN, Muschler GF. Bone cells and matrices in orthopedic tissue engineering. *Orthop Clin North Am* 2000;31:357-374.
- Froum SJ, Wallace SS, Tarnow DP, Cho SC. Effect of platelet-rich plasma on bone growth and osseointegration in human maxillary sinus grafts: three bilateral case reports. *Int J Periodontic Restorative Dent* 2002;22:45-53.
- Garg AK. Grafting materials in repair and restoration. In : Lynch SE , Genco RJ , Marx RE, editors. *Tissue engineering : applications in maxillofacial surgery and periodontics*. Illinois : Quintessence publishing ,1999 ; 83-101.
- Garg AK, Gargenese D, Peace I. Using platelet-rich plasma to develop an autogenous membrane for growth factor delivery in dental implant therapy. *Dent Implantol Update* 2000;11:1-4.
- Garg AK. The use of platelet-rich plasma to enhance the success of bone grafts around dental implants. *Dental Implantol Update* 2000;11:1-5.
- Garg AK. Bone induction with and without membranes and using platelet-rich plasma. *Oral Maxillofac Surg Clin North Am* 2001;13:437-448.
- Gomes MF, da Silva dos Anjos MJ, de Oliveira Nogueira T, Guimaraes SAC.

- Autogenous demineralized dentin matrix for tissue engineering applications: radiographic and histomorphometric studies. *Int J Oral Maxillofac Implants* 2002;17:488-497.
- Gonshor A. Technique for producing platelet rich plasma concentrate : background and process. *Int J Periodontic Restorative Dent* 2002;22:547-557.
- Gordh M, Alberius P, Johnell O, Lindberg L, Linde A. Effects of rhBMP-2 and osteopromotive membranes on experimental bone grafting. *Plast Reconstr Surg* 1999;103:1909-1918.
- Haas R , Donath K, Fodinger M, Watzek G. Bovine hydroxyapatite for maxillary sinus grafting: comparative histomorphometric findings in sheep. *Clin Oral Impl Res* ,1998;9:107-116.
- Haas R , Mailath G , Dortbudak O , Watzek G. Bovine hydroxyapatite for maxillary sinus augmentation : analysis of interfacial bond strength of dental implants using pull-out tests. *Clin Oral Impl Res* ,1998;9:117-122.
- Hallman M, Cederlund A, Lindskog S, Lundgren S, Sennerby L. A clinical histologic study of bovine hydroxyapatite in combination with autogenous bone and fibrin glue for maxillary sinus floor augmentation: results after 6 to 8 months of healing. *Clin Oral Impl Res* 2001;12:135-143.
- Hammerle CHF, Schmid J, Lang NP, Olah AJ. Temporal dynamics of healing in rabbit cranial defects using guided bone regeneration. *J Oral Maxillofac Surg* 1995;53:167-174.
- Hammerle CHF, Olah AJ, Schmid J, Fluckiger L, Gogolewski S, Lang NP. The biological effect of natural bone mineral on bone neof ormation on the rabbit skull. *Clin Oral Impl Res* ,1997;8:198-207.
- Hammerle CHF , Chiantella GC , Karring T , Lang NP. The effect of a deproteinized bovine bone mineral on bone regeneration around titanium dental implants. *Clin Oral Impl Res* ,1998;9:151-162.
- Herndon DN, Nguyen TT, Glipin DA. Growth factors: local and systemic. *Arch Surg* 1993;128:1227-1233.
- Hobar PC, Masson JA, Wilson R, Zerwekh J. The importance of the dura in craniofacial

- surgery. *Plast Reconstr Surg* 1996;98:217-225.
- Hock JM, Canalis E. Platelet-derived growth factor enhances bone cell replication, but not differentiated function of osteoblasts. *Endocrinology* 1994;134:1423-1428.
- Hollinger JO, Schmitz JP, Mark DE, Seyfer AE. Osseous wound healing with xenogeneic bone implants with a biodegradable carrier. *Surgery* 1990;107:50-54.
- Hopper RA, Zhang JR, Fournasier VL, Morova-Protzner I, Protzner KF, Pang CY, Forrest CR. Effect of isolation of periosteum and dura on the healing of rabbits calvarial inlay bone grafts. *Plast Reconstr Surg*, 2001;107:454-462.
- Jensen SS, Aaboe M, Pinholt EM, Hjorting-Hansen E, Melsen F, Ruyter IE. Tissue reaction and material characteristics of four bone substitutes. *Int J Oral Maxillofac Implants* 1996;11:55-66.
- Jiang D, Dziak R, Lynch SE, Stephan EB. Modification of an osteoconductive anorganic bovine bone mineral matrix with growth factors. *J Periodontol* 1999;70:834-839.
- Kassolis JD, Rosen PS, Reynolds MA. Alveolar ridge and sinus augmentation utilizing platelet-rich plasma in combination with freeze-dried bone allograft: case series. *J Periodontol* 2000;71:1654-1661.
- Kawase T, Okuda K, Wolff LF, Yoshie H. Platelet-rich plasma-derived fibrin clot formation stimulates collagen synthesis in periodontal ligament and osteoblastic cells in vitro. *J Periodontol* 2003;74:858-864.
- Khan SN, Bostrom MPG, Lane JM. Bone growth factors. *Orthop Clin North Am* 2000;31:375-387.
- Khan SN, Tomin E, Lane JM. Clinical applications of bone graft substitutes. *Orthop Clin North Am* 2000;31:389-398.
- Kim SG, Kim HK, Lim SC. Combined implantation of particulate dentine, plaster of Paris, and a bone xenograft (Bio-Oss[®]) for bone regeneration in rats. *J Cranio-Maxillofac Surg* 2001;29:282-288.
- Kim SG, Kim WK, Park JC, Kim HJ. A comparative study of osseointegration of avana implants in a demineralized freeze-dried bone alone or with platelet-rich plasma. *J*

- Oral Maxillofac Surg 2002;60:1018-1025.
- Kleinschmidt JC, Marden LJ, Kent D, Quigley N, Hollinger JO. A multiphase system bone implant for regenerating the calvaria. Plast Reconstr Surg 1993;91:581-588.
- Kleinschmidt JC, Hollinger JO. Animal models in bone research. In : Habal MB, Reddi AH, editors. Bone grafts and bone substitutes. Philadelphia: W.B. Saunders Company, 1992, 133-146.
- Klinge B, Alberius P, Isaksson S, Jonsson J. Osseous response to implanted natural bone mineral and synthetic hydroxylapatite ceramic in the repair of experimental skull bone defects. J Oral Maxillofac Surg 1992;50:241-249.
- Landesberg R, Moses M, Karpatkin M. Risk of using platelet-rich plasma gel (letters to the editor). J Oral Maxillofac Surg 1998;58:1116-1117.
- Landesberg R, Roy M, Glickman RS. Quantification of growth factors levels using a simplified method of platelet-rich plasma gel preparation. J Oral Maxillofac Surg 2000;58:297-300.
- Lacoste E, Martineau I, Gagnon G. Platelet concentrates: effects of calcium and thrombin on endothelial cell proliferation and growth factor release. J Periodontol 2003;74:1498-1507.
- Lee MB. Bone morphogenetic proteins: background and implications for oral reconstruction. A review. J Clin Periodontol 1997;24:355-365.
- Lekovic V, Camargo PM, Weinlaender M, Vailic N, Kenney EB. Comparison of platelet-rich plasma, bovine porous bone mineral and guided tissue regeneration versus platelet-rich plasma and bovine porous bone mineral in the treatment of intrabony defects: a reentry study. J Periodontol 2002;73:198-205.
- Lind M. Growth factors: possible new clinical tools; a review. Acta Orthop Scand 1996;67:407-417.
- Lozada JL, Caplanis N, Proussaefs P, Willardsen J, Kammeyer G. Platelet-rich plasma application in sinus graft surgery: part I-background and processing techniques. J Oral Implantol 2001;27:38-42.
- Lundgren D, Nyman S, Mathisen T, Isaksson S, Klinge B. Guided bone regeneration of cranial defects, using biodegradable barriers: an experimental pilot study in the

- rabbit. J Cranio-Maxillofac Surg 1992;20:257-260.
- Lynch SE, Buser D, Hernandez RA, Weber HP, Sitch H, Fox Ch, Williams RC. Effects of PDGF/IGF-1 combination on bone regeneration around titanium dental implants. Results of a pilot study in beagle dogs. J Peridontol 1991;62:710-716.
- Marx RE. Platelet-rich plasma : a source of multiple autogenous growth factors for bone grafts. In : Lynch SE , Genco RJ , Marx RE , editors. *Tissue engineering : applications in maxillofacial surgery and periodontics*. Illinois : Quintessence publishing ,1999;71-82.
- Marx RE, Garg AK. Bone graft physiology with use of platelet-rich plasma and hyperbaric oxygen. In : Jensen OT, editors. *The sinus bone graft*. Illinois : Quintessence publishing ,1999; 183-189.
- Man D, Plosker H, Winland-Brown JE. The use of autologous platelet-rich plasma (platelet gel) and autologous platlet-poor plasma (fibrin glue) in cosmetic surgery. Plast Reconstr Surg 2001;107:229-239.
- Marden LJ, Fan RS, Pierce GF, Reddi AH, Hollinger JO. Platelet-derived growth factor inhibits bone regeneration induced by osteogenin, a bone morphogenetic protein, in rat craniotomy defects. Clin Invest 1993;92:2897-2905.
- Marx RE, Carlson ER, Eichstaedt RN, Schimmele SR, Strauss JE, Georgeff KR. Platelet-rich plasma: growth factor enhancement for bone grafts. Oral Surg Oral Med Oral Pathol Oral Radiol Endod 1998;85:638-646.
- Marx RE. Biology of PRP (reply/letter to the editor). J Oral Maxillofac Surg 2001;59:1120-1121.
- Maiorana C, Sommariva L, Brivio P, Sigurta D, Santoro F. Maxillary sinus augmentation with anorganic bovine bone (Bio-Oss) and autogenous platelet-rich plasma : preliminary clinical and histologic evaluations. Int J Periodontic Rest Dent , 2003;23:227-235.
- Mellonig JT. Human histologic evaluation of a bovine derived bone xenograft in the treatment of periodontal osseous defects. Int J Periodontic Rest Dent , 2000;20:19-29.
- Meraw SJ, Reeve CM, Lohse CM, Sioussat TM. Treatment of peri-implant defects with

- combination growth factor cement. J Periodontol 2000;71:8 -13.
- Miller TA, Ishida K, Kobayashi M, Wollman JS, Turk AE, Holmes RE. The induction of bone by an osteogenic protein and the conduction of bone by porous hydroxyapatite: a laboratory study in the rabbit. Plast Reconstr Surg 1991;87:87-95.
- Minamide A, Kawakami M, Hashizume H, Sakata R, Tamaki T. Evaluation of carriers of bone morphogenetic for spinal fusion. Spine 2001;26:933-939.
- Mundy GR. Regulation of bone formation by bone morphogenetic proteins and other growth factors. Clin Orthop 1996;324:24-28.
- Nyman S, Gottlow J, Karring T, Lindhe J. The regenerative potential of the periodontal ligament: an experimental study in the monkey. J Clin Periodont. 1982;9:257-265.
- Okuda K, Kawase T, Momose M, Murata M, Saito Y, Suzuki H, Wolff LF, Yoshie H. Platelet-rich plasma contains high levels of platelet-derived growth factor and transforming growth factor- β and modulates the proliferation of periodontally related cells in vitro. J Periodontol 2003;74:849-857.
- Ogiso B, Hughes FJ, McCulloch CAG, Melcher AH. Proliferation of osteoprogenitor cells is inhibited by fibroblast-conditioned medium. J Dent Res 1989;68:983.
- Page K , Stevens A , Lowe J , Bancroft JD. Bone. In : Bancroft JD , Stevens A , editors. Theory and practice of histological techniques , 4th edition , London ; Churchill livingstone,1996;309-339.
- Palleesen L, Schou S, Aaboe M, Hjorting-Hansen E, Nattestad A, Melsen F. Influence of particle size of autogenous bone grafts on the early stages of bone regeneration: a histologic and stereologic study in rabbit calvarium. Int J Oral Maxillofac Implants 2002;17:498-506.
- Paolantonio M, Scarano A, Placido G, Tumini V, D' Archivio D, Piattelli A. Periodontal healing in humans using anorganic bovine bone and bovine peritoneum-derived collagen membrane: a clinical and histologic case report. Int J Periodontics Restorative Dent 2001;21:505-515.
- Philipart P, Brasseur M, Hoyaux D, Pochet R. Human recombinant tissue factor,

- platelet-rich plasma, and tetracycline induce a high-quality human bone graft: a 5-years survey. *Int J Oral Maxillofac Implants* 2003;18:411- 416.
- Piattelli A , Scarano A , Piattelli M , Coraggio F , Matarasso S. Bone regeneration using bioglass : an experimental study in rabbit tibia. *J Oral Implanto*,2000;26:257-261.
- Priyatnanont P, Nuntanaranont T, Chungpanich S. Two uncommon uses of Bio-Oss for GTR and ridge augmentation following extractions: two case reports. *Int J Periodontics Restorative Dent*,2002;22:279-285.
- Proussaefs P, Lozada J, Kleinman A, Rohrer MD, McMillan PJ. The use of titanium mesh in conjunction with autogenous bone graft and inorganic bovine bone mineral (Bio-Oss) for localized alveolar ridge augmentation: a human study. *Int J Periodontics Restorative Dent* ,2003;23:185-195.
- Rasubala L, Yoshikawa H, Nagata K, Iijima T, Ohishi M. Platelet-derived growth factor and bone morphogenetic protein in the healing of mandibular fractures in rats. *Br J Oral Maxillofac Surg*,2003;41:173-178.
- Richardson CR , Mellonig JT , Brunsvold MA , Mc Donnell HT, Cochran DL. Clinical evaluation of Bio-Oss[®]:a bovine derived xenograft for the treatment of periodontal osseous defects in humans. *J Clin Periodontol*,1999;26:421-428.
- Robiony M, Polini F, Costa F, Politi M. Osteogenesis distraction and platelet-rich plasma for bone restoration of the severely atrophic mandible: preliminary results. *J Oral Maxillofac Surg*,2002;60:630-635.
- Roberts WE, Turley PK, Brezniak N, Fielder PJ. Bone physiology and metabolism. *J Californian Dental Association*,1987;15:54-61.
- Rodriguez A, Anastassov GE, Lee H, Buchbinder D, Wettan H. Maxillary sinus augmentation with deproteinated bovine bone and platelet-rich plasma with simultaneous insertion of endosseous implants. *J Oral Maxillofac Surg* 2003;61:157-163.
- Roldan JC, Jepsen S, Miller J, Freitag S, Rueger DC, Acil Y and Terheyden H. Bone formation in the presence of platelet-rich plasma vs. bone morphogenetic protein -

7. Bone 2004;34:80-90.
- Rosenberg ES, Torosian J. Sinus grafting using platelet-rich plasma-Initial case presentation. Pract Periodontics Anesthet Dent 2000;12:843-850.
- Rudkin GH, Miller TA. Growth factors in surgery: review. J Plastic Reconstr Surg 1997;97:469-476.
- Ruhaimi KAAI. Bone graft substitutes: a comparative qualitative histologic review of current osteoconductive grafting materials. Int J Oral Maxillofac Implants 2001;16:105-114.
- Sanchez AR, Sheridan PJ, Kupp LI. Is platelet-rich plasma the perfect enhancement factor? A current review. Int J Oral Maxillofac Implants 2003;18:93-103.
- Schwartz Z, Weesner T, van Dijk S, Cochran DL, Mellonig JT, Lohmann CH, Carnes DL, Goldstein M, Dean DD, Boyan BD. Ability of deproteinized cancellous bovine bone to induce new bone formation. J Periodontol,2000;71:1258-1269.
- Schmitz JP , Hollinger JO. The critical size defect as an experimental model for craniomandibulofacial nonunions. Clin Orthop ,1986;205:299-308.
- Schmitt JM , Buck DC , Joh SP , Lynch SE , Hollinger JO. Comparison of porous bone mineral and biologically active glass in critical-sized defects. J Periodontol,1997;68:1043-1053.
- Schlegel KA, Fichtner G, Schultze-Mosgau S, Wiltfang J. Histologic findings in sinus augmentation with autogenous bone chips versus a bovine bone substitute. Int J Oral Maxillifac Implants 2003;18:53-58.
- Schliephake H. Bone growth factors in maxillofacial skeletal reconstruction. Int J Oral Maxillofac Surg 2002;31:469-484.
- Schwartz Z, Weesner T, van Dijk S, Cochran DL, Mellonig JT, Lohmann CH, Carnes DL, Goldstein M, Dean DD, Boyan BD. Ability of deproteinized cancellous bovine bone to induce new bone formation. J Periodontol,2000;71:1258-1269.
- Sculean A, Chiantella GC, Windisch P, Gera I, Reich E. Clinical evaluation of an enamel matrix protein derivative (Emdogain) combined with a bovine-derived xenograft (Bio-Oss) for the treatment of intrabony periodontal defects in humans. Int J Periodontics Restorative Dent,2002;22:259-267.

- Shanaman R, Filstein MR, Danesh-Meyer MJ. Localized ridge augmentation using GBR and platelet-rich plasma: case reports. *Int J Periodontics Restorative Dent*, 2001;21:345-355.
- Shand JM, Heggie AAC, Holmes AD, Holmes W. Allogeneic bone grafting of calvarial defects: an experimental study in the rabbit. *Int J Oral Maxillofac Surg*, 2002;31:525-531.
- Skoglund A, Hising P, Young C. A clinical and histologic examination in humans of the osseous response to implanted natural bone mineral. *Int J Oral Maxillofac Implants*, 1997;12:194-200.
- Sogal A, Tofe AJ. Risk assessment of bovine spongiform encephalopathy transmission through bone graft material derived from bovine bone used for dental applications. *J Periodontol*, 1999;70:1053-1063.
- Sonneitner D, Huemer P, Sullivan DY. A simplified technique for producing platelet-rich plasma and platelet concentrate for intraoral bone grafting techniques : a technical note. *Int J Oral Maxillofac Implants* 2000;15:879-882.
- Spector JA, Greenwald JA, Warren SM, Bouletreau PJ, Detch RC, Fagenholz PJ, Crisera FE, Longaker MT. Dura mater biology: autocrine and paracrine effects of fibroblast growth factor 2. *Plast Reconstr Surg* 2002;109:645-654.
- Stephan EB, Jiang D, Lynch S, Bush P, Dziak R. Anorganic bovine bone supports osteoblastic cells attachment and proliferation. *J Periodontol*, 1999;70:364-369.
- Stephan EB, Renjen R, Lynch SE, Dziak R. Platelet-derived growth factor enhancement of a mineral-collagen bone substitute. *J Periodontol*, 2000;71:1887-1892.
- Stewart KJ, Weyand B, van't Hof RJ, White SA, Lvoff GO, Maffulli N, Poole MD. A quantitative analysis of the effect of insulin-like growth factor-1 infusion during mandibular distraction osteogenesis in rabbits. *Br. J Plast Surg* 1999;52:343-350.
- Terheyden H. Experimentelle Sinus-bodenaugmentation: Vergleich verschiedener Tragermaterialien mit und ohne rhOP-1 und vergleich der biologischen Factoren PRP and rhOP-1. Presented at the Sinus-Lift Konferenz, Hamburg, Germany, 9 September 2000.

- Tomford WW. Current concepts review : transmission of disease through transplantation of musculoskeletal allografts. *J Bone Joint Surg.* 1995;77A:1742 – 1754.
- Turk AE, Ishida K, Jensen JA, Wollman JS, Miller TA. Enhanced healing of large cranial defects by an osteoinductive protein in rabbits. *Plast Reconstr Surg.* 1993;92:593- 600.
- Valentini P , Abensur D. Maxillary sinus floor elevation for implant placement with demineralized freeze dried bone and bovine bone (Bio-Oss[®]) : a clinical study of 20 patients. *Int J Periodontics Restorative Dent.* 1997;17:233-241.
- Valentini P, Abensur D, Densari D, Graziani JN, Hammerle CHF. Histological evaluation of Bio-Oss[®] in a 2-stage sinus floor elevation and implantation procedure ; a human case report. *Clin Oral Impl Res.* 1998;9:59-64.
- Valentini P, Abensur D, Wenz B, Peetz M, Schenk R. Sinus grafting with porous bone mineral (Bio-Oss) for implant placement: a 5-year study on 15 patients. *Int J Periodontics Restorative Dent.* 2000;20:245-253.
- Vikjaer D, Blom S, Hjorting-Hansen E, Pinholt EM. Effect of platelet-derived growth factor-BB on bone formation in calvarial defects: an experimental study in rabbits. *Eur J Oral Sci.* 1997;105:59-66.
- Wenz B, Oesch B, Horst M. Analysis of the risk of transmitting bovine spongiform encephalopathy through bone grafts derived from bovine bone. *Biomaterials.* 2001;22:1599-1606.
- Weibrich G, Kleis WKG, Kunz-Kostomanolakis M, Loos AH, Wagner W. Correlation of platelet concentration in platelet-rich plasma to the extraction method, age, sex, and platelet count of the donor. *Int J Oral Maxillofac Implants.* 2001;16:693-699.
- Weibrich G, Kleis WKG, Hafner G. Growth factors levels in the platelet-rich plasma produced by 2 different methods: Curasan-type PRP kit versus PCCS PRP system. *Int J Oral Maxillofac Implants.* 2002;17:184-190.
- Whitman DH, Berry RL, Green DM. Platelet gel: an autogenous alternative to fibrin glue with applications in oral and maxillofacial surgery. *J Oral Maxillofac*

- Surg,1997;55:1294-1299.
- Whitman DH , Berry R. A technique for improving the handing of particulate cancellous bone and marrow grafts using platelet gel. J Oral Maxillofac Surg,1998;56:1217-1218.
- Wironen JF, Jaw RY, Fox WC. Platelet-rich plasma is not osteoinductive in a nude rat assay. Presented at the International Conference on Bone Substitutes, Davos, Switzerland, 8-10 October 2000.
- Wozney JM. Biology and clinical applications of rhBMP-2. In : Lynch SE , Genco RJ , Marx RE, editors. *Tissue engineering : applications in maxillofacial surgery and periodontics*. Illinois : Quintessence publishing,1999 ; 103-123.
- Yamada S, Shima N, Kitamura H, Sugito H. Effect of porous xenographic bone graft with collagen barrier membrane on periodontal regeneration. Int J Periodontics Restorative Dent,2002;22:389-397.
- Yildirium M , Spickermann H , Biesterfeld S , Edelhoff D. Maxillary sinus augmentation using xenogenic bone substitute material Bio-Oss® in combination with venous blood : a histologic and histomorphometric study in humans. Clin Oral Impl Res , 2000;11:217-229.
- Young C, Sandstedt P, Skoglund A. A comparative study of anorganic xenogenic bone and autogenous bone implants for bone regeneration in rabbits. Int J Oral Maxillofac Implants 1999;14:72-76.
- Zechner W, Tangl S, Tepper G, Furst G, Bernhart T, Hass R, Mailath G, Watzek G. Influence of platelet-rich plasma on osseous healing of dental implants: a histologic and histomorphometric study in minipigs. Int J Oral Maxillofac Implants 2003;18:15-22.
- Zins JE, Whitaker LA. Membranous versus endochondral bone: implications for craniofacial reconstruction. Plast Reconstr Surg 1983;72:778-784.
- Zitzmann NU, Scharer P, Marinello CP, Schupbach P, Berglundh T. Alveolar ridge augmentation with Bio-Oss: a histologic study in humans. Int J Periodontics Restorative Dent,2001;21:289-295.