

Publications

PUBLISHED PAPERS – REFEREED JOURNALS:

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Book Chapters:

1. **C. Knabe**, A. Houshmand, G. Berger, R. Gildenhaar, M. Stiller, P. Ducheyne. Effect of rapidly resorbable calcium-alkali-orthophosphate bone substitute materials on the temporal expression of the osteoblastic phenotype in vitro. In: *Materials for scaffolding of biologically engineered systems*, Eds. A. Ravaglioli and A. Krajewski, National Research Council, Faenza, Italy, 2006, p. 255-264.
2. **C. Knabe**, P. Ducheyne. Chapter 6 - Cellular response to bioactive ceramics, In: *Handbook of Bioceramics and their Applications*. Ed: Prof. Dr. Tadashi Kokubo, Woodhead Publishing Inc., Cambridge, UK, 2008, p.133-164.
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12. C. Knabe. "Rapidly resorbable bioactive grafting materials for craniofacial bone regeneration - translational research in regenerative medicine and implant dentistry." BIOMED2009, Proceedings 15th International Biomedical Science and Technology Symposium, August 16-19, 2009, Güzelyurt, Turkey, p. 30.
13. C. Knabe, G Berger, R. Gildenhaar, A. Houshmand, Ch. Müller-Mai, A. Bednarek, Ch. Koch, D. Jörn and M. Stiller: Effect of resorbable calcium-alkali-orthophosphate bone substitute cements on osteogenesis after implantation in the rabbit femur. Transactions 36th Annual Meeting of the Society for Biomaterials U.S.A., April 21-24, 2009, Seattle, Washington, USA, p. 10.
14. J. Kim, G. Berger, R. Gildenhaar, I. Shapiro, P. Ducheyne and C. Knabe: Survival and apoptosis in vitro of osteoblastic cells in contact with synthetic bone grafts Transactions 36th Annual Meeting of the Society for Biomaterials U.S.A., April 21-24, 2009, Seattle, Washington, USA, p. 830
15. C. Knabe. Novel, rapidly resorbable bioceramic bone grafts produce a major osteogenic effect - the pre-clinical evidence. Proceedings CIMTEC 2010 - 12th INTERNATIONAL CERAMICS CONGRESS & 5th FORUM ON NEW MATERIALS, June 13-18, 2010 p17.

INVITED LECTURES/ CONFERENCE INVITATIONS:

1995

1. C. Knabe „In vitro test for bone substitutes and percutaneous devices“, Sydney, seminar, School of Bioengineering, University of New South Wales, Sydney, Australia, February 13, 1995.
 2. C. Knabe „Oral Implantology: Surgical aspects and evaluation of bone volume“
„Aspekte zur Bewertung des Knochenangebotes und zum chirurgischen Vorgehen“, Czech Symposium on Implant Dentistry, Bruijn, November 24th, 1995.
- 1996
3. C. Knabe „Oral implantology: Surgical techniques and implant prosthodontics“ „Implantatversorgungen: Chirurgisches Vorgehen und Anfertigung von Suprakonstruktionen“ Monthly workshop of the Berlin Society for Prosthodontics.“, April 18th, 1996, Berlin, Germany.
- 1997
4. C. Knabe „Osseointegration - the basis for Oral Implantology“ „Osseointegration - Grundlagen der Implantation.“ Annual Wilmersdorf Symposium, Berlin, Germany, June 7th, 1997.
- 1998
5. C. Knabe „Bone Substitution in Oral Implantology“ „Grundlagen des Knochenersatzes für zahnärztliche Indikationen.“ Monthly lectures for practitioners in Berlin and Brandenburg at the Philipp-Pfaff Institute, Berlin, Germany, November 3rd, 1998.
 6. C. Knabe „Implant-supported prostheses following augmentation procedures“ „Implantatprothetik nach Alveolarfortsatzrekonstruktion“. Annual Steglitz Symposium on Maxillofacial Surgery, entitled: „*Dental implants in combination with bone grafting procedures for augmenting alveolar ridges.*“ *Kombination von Implantat und Transplantat zum Aufbau des Alveolarfortsatzes*“, December 5th, 1998, Berlin, Germany.
- 1999
7. C. Knabe „In vitro investigation of novel calcium phosphate bone substitutes and various dental implant surfaces using osteogenic cultures“, CSIRO Australia, Division of Molecular Science, North Ryde, Sydney, October 12th, 1999.
- 2000
8. C. Knabe „Implant-supported titanium prostheses following augmentation procedures“, The University of Sydney, Faculty of Dentistry, January 27th, 2000, Sydney, Australia.
 9. C. Knabe „In vitro investigation of novel calcium phosphate bone substitutes and various dental implant surfaces using osteogenic cultures“, School of Pathology, University of New South Wales, Sydney, NSW, February 21st, 2000.
- 2001
10. C. Knabe „In vitro investigation of bone substitute materials and various dental implant surfaces“ „In vitro Untersuchungen von Knochenersatzmaterialien und Implantatoberflächen“. Research seminars: German Research Foundation Postgraduate Research Center for Periodontology (head: Prof. J.P. Bernimoulin), Berlin, Germany, February 16th, 2001.
- 2002
11. C. Knabe, U. Gross „Can biologically functional implant surfaces enhance tissue integration of dental implants? – novel techniques for surface modifications and bone regeneration.“ „Verbessern biologisch funktionalisierte Oberflächen die Einheilung von Implantaten? - Ein Ausblick auf neue Techniken und Verfahren.“ 6th Annual Meeting of the Berlin Brandenburg Society of Dental Implantology, March 9th, 2002, Berlin, Germany.
 12. C. Knabe Osseointegration - implant surface modifications and tissue regeneration techniques. Past, present and future. Annual Wilmersdorf Symposium, June 29th, 2002, Berlin, Germany.
 13. C. Knabe „Novel developments regarding dental implant surface modifications and tissue regeneration techniques.“ Monthly Meeting of the Berlin Division of the German Association of Oral Implantologists, October 16th, 2002, Berlin, Germany.
 14. C. Knabe „Biologically functional implant surfaces“. Seminar, Friadent Dentsply Inc., November 7th, 2002, Mannheim, Germany.
- 2003
15. C. Knabe "Rapidly resorbable bone substitute materials for alveolar ridge augmentation - Clinical need and fundamental studies." New York University College of Dentistry, Department of Biomaterials and Biomimetics, April 28, 2003, New York, U.S.A.
- 2004
16. C. Knabe "Rapidly resorbable bone substitute materials for alveolar ridge augmentation - Clinical need and fundamental studies." Temple University School of Dentistry, Department of Restorative Dentistry, October 14, 2004, Philadelphia, U.S.A.
- 2005
17. C. Knabe. "Rapidly resorbable bone substitute materials for alveolar ridge augmentation – Cell signalling events driven by material surfaces." Department of Biomedical Engineering, Carnegie Mellon University, March 2nd, 2005, Pittsburgh, U.S.A.

18. C. Knabe. "Current trends for bone regeneration in implant dentistry." Temple University School of Dentistry, Department of Restorative Dentistry, August 5th, 2005, Philadelphia, U.S.A.
19. C. Knabe. "Rapidly resorbable bone substitute materials for alveolar ridge augmentation –in vitro and in vivo studies." Research seminars: German Research Foundation Postgraduate Research Center for Periodontology (head: Prof. J.P. Bernimoulin), December 9th, 2005, Berlin, Germany.

2006

20. C. Knabe "Rapidly resorbable bone substitute materials for alveolar ridge augmentation - Clinical need and fundamental studies." University of Bern, School of Dental Medicine, Department of Oral Surgery and Stomatology, March 23rd, 2006, Bern, Switzerland.
21. C. Knabe. "Rapidly resorbable bioactive ceramics materials for alveolar ridge augmentation – in vitro and in vivo studies." 13th Symposium on Ceramics in Medicine, Federal Institute for Materials Research and Testing, May 9th, 2006, Berlin, Germany.
22. C. Knabe. "Effect of bioactive bone substitute materials on osteoblast differentiation and bone tissue formation in vitro and in vivo." Symposium on Oral Biotechnology (search committee for W3 University Professorship "Oral Biotechnology"), School of Dental Medicine, University of Freiburg, Freiburg, Germany, December 19, 2006.
23. G. Berger, R. Gildenhaar, C. Knabe, "The use of calcium phosphate ceramics as resorbable bone substitute materials." „Calciumphosphat-Keramik für den resorbierbaren Knochenersatz“, Annual Meeting of the German Society for Ceramics in Medicine (DKG), March 19-21, Dresden, Germany.
24. International Scientific Advisory Committee: 19th International Symposium on Ceramics in Medicine, the 2006 Annual Meeting of the International Society for Ceramics in Medicine (ISCM).

2007

25. C. Knabe, P. Ducheyne. "Cellular response to materials for bone tissue engineering," (opening - presentation) Transactions Annual Meeting of the Academy of Dental Materials (Proceedings of a Conference on "Tissue engineering Scaffolds"), October 22-24, 2007, Fort Lauderdale, Florida, USA, Volume 21, 2007, p. 6-7.
26. International Scientific Advisory Committee: 20th International Symposium on Ceramics in Medicine, the 2007 Annual Meeting of the International Society for Ceramics in Medicine (ISCM)

2008

27. C. Knabe. "Rapidly resorbable bone substitute materials in implant dentistry - clinical need and fundamental studies" University of Philadelphia, School of Dental Medicine, Department of Restorative Dentistry (chair: Professor M. Blatz), February 5, 2008, Philadelphia, USA.
28. International Scientific Advisory Committee: 21st International Symposium on Ceramics in Medicine, the 2008 Annual Meeting of the International Society for Ceramics in Medicine (ISCM)

2009

29. C. Knabe. „Bioactive bone substitute materials in implant dentistry - from fundamental studies to clinical application". Berlin Society for Periodontology, March 19, 2009, Berlin.
30. C. Knabe. "Rapidly resorbable bioactive grafting materials for craniofacial bone regeneration - translational research in regenerative medicine and implant dentistry." BIOMED2009, 15th International Biomedical Science and Technology Symposium, August 16-19, 2009, Güzelyurt, Turkey.
31. C. Knabe. Bioactive bone substitute materials in implant dentistry. Effect on osteogenesis *in vitro* and *in vivo*. From fundamental research to clinical application. "„Bioaktive Knochenersatzmaterialien in der Zahnärztlichen Implantologie: „Einfluss auf die Osteogenese *in vitro* und *in vivo*. Von der Grundlagenforschung zur klinischen Anwendung.“ (search committee for W2 University Professorship for Experimental Dentistry and Prosthetic Dentistry), School of Dental Medicine, Technical University of Dresden, Dresden, Germany, October 13, 2009.
32. C. Knabe. Rapidly resorbable bioactive bone grafting materials for orofacial bone regeneration - from fundamental research to clinical application. (search committee for W3 University Professorship for Experimental Orofacial Medicine) School of Dental Medicine, Phillips-University-Marburg, December 9, 2009, Marburg, Germany.
33. International Scientific Advisory Committee: 22nd International Symposium on Ceramics in Medicine, the 2009 Annual Meeting of the International Society for Ceramics in Medicine (ISCM)

2010

34. C. Knabe. Novel, rapidly resorbable bioceramic bone grafts produce a major osteogenic effect - the pre-clinical evidence CIMTEC 2010 - 12th INTERNATIONAL CERAMICS CONGRESS & 5th FORUM ON NEW MATERIALS, June 13-18, 2010, Montecatini, Italy.
35. International Scientific Advisory Committee: 23rd International Symposium on Ceramics in Medicine, the 2010 Annual Meeting of the International Society for Ceramics in Medicine (ISCM)

2011

36. C. Knabe. Novel, rapidly resorbable bioceramic bone grafts produce a major osteogenic effect. 9th International Meeting of Pacific Rim Ceramic Societies, Cairns, Australia, July 10th - 14th 2011, p. S1.8.

37. C. Knabe. Rapidly resorbable bioactive bone grafting materials for craniofacial bone regeneration - translational research in regenerative medicine and implant dentistry. Workshop on Advanced Bioceramics, Dept. of Bioengineering (Prof. Dr. Min Wang) University of Hong Kong. July 18, 2011.
- 2012
38. C. Knabe, G. Berger, R. Gildenhaar, P. Ducheyne, M. Stiller. Rapidly resorbable bioactive ceramic grafting materials for craniofacial bone regeneration – translational research in regenerative medicine and implant dentistry. E-MRS (European Materials Research Society) 2012 SPRING MEETING, invited presentation. May 14-18, 2012.
- 2013
39. C. Knabe, G. Berger, R. Gildenhaar, P. Ducheyne, M. Stiller. Einsatz schnell resorbierbarer Knochenersatzmaterialien auf Calciumalkaliphosphatbasis für die craniofaziale Knochenregeneration - Einfluss auf die Osteogenese in vitro und in vivo - von der Grundlagenforschung zur klinischen Anwendung.“ (Rapidly resorbable bioactive ceramic grafting materials based on calcium alkali orthophosphates for craniofacial bone regeneration - translational research from bench to bedside). II. Freiburger Keramiksymposium. CaP-Keramik als Carrier (2nd Freiburg Symposium on Bioceramics, July 6-7 Freiburg, Germany).
- 2014
40. Organizing Committee: 26th International Symposium on Ceramics in Medicine, the 2014 Annual Meeting of the International Society for Ceramics in Medicine (ISCM)
41. C. Knabe. Rapidly resorbable, bioactive bone grafting materials stimulate bone formation and bone repair - Translational research in craniofacial surgery and implant dentistry. Invited presentation, Dept. of Restorative Dentistry, School of Dental Medicine, University of Pennsylvania, June 10, 2014.
42. C. Knabe. Rapidly resorbable, bioactive bone grafting materials stimulate bone formation and bone repair - Translational research in craniofacial surgery and implant dentistry. Invited presentation, The State Key Laboratory of Polymer Materials Engineering, Sichuan University, Chengdu, China, December 16, 2014.
43. C. Knabe. Rapidly resorbable, bioactive bone grafting materials stimulate bone formation and bone repair - Translational research in craniofacial surgery and implant dentistry. Invited presentation, Dept. of Oral Implantology, School of Dental Medicine, Sichuan University, Chengdu, China, December 18, 2014.
- 2015
44. C. Knabe (Symposium organizer), M. Stiller SV 02 Symposium: Bone regeneration in implant dentistry – translational research and individualized patient-based medicine: C. Knabe. Rapidly resorbable bone grafting materials based on calciumalkaliorthophosphates from bench to bedside, i.e. from basic research to clinical application. „Knochenregeneration in der Zahnärztlichen Implantologie: translationale Forschung und patientenindividuelle Aspekte“- Schnell resorbierbare Knochenersatzmaterialien auf Calciumalkaliorthophosphatbasis für die Zahnärztliche Implantologie - von der Grundlagenforschung zur klinischen Anwendung. Transactions of the 64th Annual meeting of the German Society for Prosthetic Dentistry and Biomaterials, Ulm, Germany, June 11-13, 2015, p. 15-17.
45. C. Knabe. 3D printed bone grafts. Biomaterials for bone tissue engineering utilizing additive manufacturing technologies. Symposium on Materials for Individual Fabrication Technologies. Hessen Trade & Invest Inc., Richard-Küch-conference center, Heraeus, Hanau, Germany, November 12, 2015.
- 2016
46. C. Knabe. Knochenersatzmaterialien auf Calciumalkaliorthophosphatbasis, Tricalciumphosphat- und Hydroxylapatitbasis: Histologische Auswertungen – spiegeln sich die materialkundlichen Überlegungen und Erwartungen in-vivo wider? FIT für intelligentes Knochenmanagement, Frankfurter Implantologietage, 11.-12. März 2016.
47. M. Stiller, C. Knabe. Klinische, radiologische, histologische und immunhistochemische Befunde nach Sinusbodenelevation unter Verwendung eines neuartigen Biomaterials auf Calciumalkaliorthophosphatbasis „Osseolive.“ FIT für intelligentes Knochenmanagement, Frankfurter Implantologietage, 11.-12. März 2016, Frankfurt.
48. C. Knabe. Entwicklungen synthetischer Knochenregenerationsmaterialien auf Calciumphosphatbasis. Histologische Auswertungen – spiegeln sich die materialkundlichen Überlegungen und Erwartungen in-vivo wider? Symposium Bone Regeneration 2016 "Meet the Experts", 23.- 24.09.2016, Frankfurt.
- 2017
49. C. Knabe. Additive Manufacturing in Medicine, Symposium – “Materials shape products: Bioprinting and 3D printing in Medicine” (BIO-PRINTING UND 3D-DRUCK FÜR DIE MEDIZIN), Hessen Trade & Invest Inc., School of Dental Medicine, Marburg, Feb. 21, 2017.
- 2018
50. C. Knabe. Thuringia Biomaterials Symposium. Bioprinting and 3D printing in Medicine & Craniofacial Bone Regeneration” March 14,15, 2018, Zeulenroda, Thuringia, Germany,
51. C. Knabe. Histological evaluation of bone scaffolds –Correspondence between material science considerations and in vivo results. Bone Regeneration Summit 2018, March 23-24, 2018, Hamburg, Germany.

52. C. Knabe. Histological evaluation of bone grafting materials for oral implantology –Correspondence between material science considerations and in vivo results. FIT meeting 2018- Frankfurt Implantology Days 2018, April 27-28, 2018, Frankfurt, Germany.
53. C. Knabe. Additive Manufacturing & 3D Printing for medical applications and craniofacial tissue engineering. 19th Heiligenstadt Biomaterials Symposium. September 24-26, 2018

2019

Knabe C, Berger G, Gildenhaar R, Günster J, Stiller M. Calcium alkali orthophosphate-based bioactive bone grafting materials and 3D printed scaffolds for bone tissue engineering stimulate osteogenesis and facilitate bone repair in vivo – Translational research in craniofacial surgery and implant dentistry. Keynote Lecture. Annual Meeting of the European Society for Biomaterials September 9-13, 2019, Dresden, Germany.

2022

Knabe C, Berger G, Gildenhaar R, Günster J, Stiller M. Bioactive calcium alkali orthophosphate bone graft materials and 3D printed scaffolds for bone tissue engineering enhance osteogenesis and facilitate bone repair in vivo – Translational research in maxillofacial surgery and implant dentistry. Keynote Lecture. Bioceramic32, Annual Meeting of the International Society for Ceramics in Medicine, September 20-23, 2022, Venice, Italy

CONTRIBUTED PAPERS:

1989

1. C. Knabe, U. Gross, C. Große-Siestrup. "Histological evaluation of percutaneous implants in humans and animals". 5th Annual Meeting Academy of Surgical Research, September 28-30, Atlanta, U.S.A., J. Invest. Surg. 1989; 2, 332-3.
2. C. Knabe, C. Große-Siestrup, H. Becker, A. Pustelnik, G. Gahl "A new method to evaluate the CAPD-catheter-exit and other percutaneous devices." 5th Annual Meeting Academy of Surgical Research, September 28-30, Atlanta, U.S.A., J. Invest. Surg. 1989; 2, 333.

1994

3. C. Knabe, G.K. Siebert. „The use of an electronic probe for recording periimplant pocket depth“ „Einsatz einer computergesteuerten Parodontalsonde zur Messung der periimplantären Sulkustiefe“. Joint Annual Meeting of the German Society for Oral Implantology and of the German Society for Prosthodontics and Dental Materials., March 17-20, 1994, Mainz, Germany, Transactions p. 75-76.
4. C. Knabe, C. Große-Siestrup, A. Hunder, S. Schürner, A. Ziemann. "A computer-assisted in vitro biomaterial test for percutaneous devices using human keratinocyte-cultures." 20th Annual Meeting Society for Biomaterials U.S.A., April 5-9, 1994, Boston U.S.A., Transactions p. 386.
5. C. Knabe, C. Große-Siestrup, A. Hunder, S. Schürner, D. Kneiding, A. Ziemann. „In vitro biomaterial test for percutaneous devices using human dermal keratinocyte and fibroblast cell cultures.“ „Biomaterialtestung mit Keratinocyten und Fibroblasten“. Annual Meeting of the German Society for Biomaterials, March 24th, 1994, Berlin, Germany.

1995

6. C. Knabe, C. Große-Siestrup, U. Gross. „Histological evaluation of a natural percutaneous structure as compared to clinical percutaneous devices.“ 5th Annual Meeting of the Australian Society for Biomaterials, January 30 - February 1st, 1995, Melbourne, Australia. Proceedings p. A14.
7. C. Knabe, R. Gildenhaar, G. Berger, W. Ostapowicz, R. Fitzner, R.J. Radlanski, U. Gross, G. K. Siebert: "In vitro examination of different calcium phosphates." XX Annual Meeting of the European Society for Artificial Organs, October 15-18, 1995, Berlin. Int. J. Artif. Organs 1995; 18: 76.
8. C. Knabe, K.U. Schendel, G.K. Siebert. „Rehabilitation of patients with TMJ disorders using implant-supported titanium restorations“ „Rehabilitation des funktionsgestörten Patienten mittels implantatgetragenen Zahnersatz aus Titan.“ Annual meeting of the German Society for CMD/Oral Function. November 17, 18, 1995, Bad Nauheim, Germany. (Proceedings p. 36)
9. C. Knabe, R. Gildenhaar, G. Berger, W. Ostapowicz, R. Fitzner, R.J. Radlanski, G.K. Siebert, U. Gross, "Morphological evaluation of osteoblasts cultured on different calcium phosphates." 21st Annual Meeting Society for Biomaterials U.S.A., March 18-22, 1995, San Francisco, U.S.A., Transactions p. 156.
10. C. Knabe, C. Pauli, P. Kram. "Dental care in geriatric care units in Germany." III European Congress of Gerontology, August 30th-September 2nd, 1995, Amsterdam.
11. C. Knabe, R. Gildenhaar, G. Berger, W. Ostapowicz, R. Fitzner, R.J. Radlanski, G.K. Siebert, U. Gross. „In vitro investigation of novel calcium phosphate ceramics using osteoblast cultures.“ „Untersuchung unterschiedlicher Kalziumphosphatkeramiken unter Verwendung von Osteoblastenkulturen.“ 29th Annual Meeting of the German Society for Medical and Biomedical Engineering, September 14-15, 1995, Würzburg, Germany. Biomedical Engineering, Vol. 40, Suppl. 1, 1995, p.135-136.

1996

12. C. Knabe, K.U. Schendel, G.K. Siebert. „The use of implant-supported titanium prostheses for treatment of periodontally compromised patients including functional and orthodontic therapy.“ „Rehabilitation des parodontalreduzierten Restgebisses mit implantatgetragenen Zahnersatz aus Titan nach kombinierter parodontaler, funktioneller und kieferorthopädischer Vorbehandlung. Spring meeting of the German Society for Oral Implantology“, March 21-23, 1996, Aachen, Germany.
13. C. Knabe, R. Gildenhaar, G. Berger, W. Ostapowicz, R. Fitzner, R.J. Radlanski, U. Gross, G.K. Siebert. “In vitro examination of novel calcium phosphates using osteogenic cultures.“ Fifth World Biomaterials Congress, May 29-June 2, 1996, Toronto. Transactions p. 890.
14. C. Knabe, B. Hoffmeister. „The use of implant-supported ceramo-metal titanium prostheses for restorative treatment following sinus-lift and augmentation procedures.“ „Implantatgetragener Zahnersatz aus Titan zur Rehabilitation nach totaler oder partieller Oberkieferalveolarkammatrophy.“ Fall Meeting of the German Society for Oral Implantology“, November 21-23, 1996, Bremen, Germany.
15. C. Knabe, R. Gildenhaar, G. Berger, W. Ostapowicz, R. Fitzner, R.J. Radlanski, U. Gross. „Evaluation of novel rapid resorbable calcium phosphates using osteogenic cultures.“ 3rd Joint meeting CED/NOF and 33rd Annual Meeting of the Continental European Division of the International Association of Dental Research, September 12-15, 1996, Berlin, Germany (Transactions p.105, Abstract No.291).
16. C. Knabe, B. Hoffmeister. „Rehabilitation of atrophic maxilla using implant-supported titanium prostheses“ 20th Annual Conference of the European Prosthodontic Association (EPA) and 45th Annual Meeting of the German Society for Prosthodontics and Dental Materials, September 19-21, 1996, Tübingen, Germany (Proceedings p. 73, abstract No. 98).

1997

17. C. Knabe, F.C.M. Driessens, J.A. Planell, R. Gildenhaar, G. Berger, R. Fitzner, R.J. Radlanski, U. Gross. “Evaluation of calcium phosphates and experimental bone cements using osteogenic cultures.“ 23rd Annual Meeting Society for Biomaterials U.S.A., April 30-May 4, 1997, New Orleans, U.S.A., Transactions p. 62.
18. C. Knabe, S. Kielblock. „Cytotoxicity of various resorbable and non-resorbable periodontal membranes.“ „Zytotoxikologische Untersuchung unterschiedlicher resorbierbarer und nicht-resorbierbarer Membranen.“ Annual Meeting of the German Society of Periodontology“ September 27, 1997, Leipzig, Germany, Proceedings p. 36.
19. C. Knabe C., F.C.M. Driessens, J.A. Planell, R. Gildenhaar, G. Berger, D. Reif, R. Fitzner, R.J. Radlanski, U. Gross. „In vitro investigation of various calcium phosphate ceramics and bone cements using osteoblast cultures.“ Untersuchung unterschiedlicher Kalziumphosphatkeramiken und Knochenzemente auf Kalziumphosphatbasis mittels Osteoblastenkulturen. Joint Annual Meeting of the German Society of Dentistry and Oral Medicine and the German Society for Prosthodontics and Dental Materials, October 2-5, 1997, Magdeburg, Germany (Proceedings p. 90).

1998

20. C. Knabe, B. Hoffmeister, W.B. Freesmeyer, R.J. Radlanski. „Implant-supported titanium prostheses following augmentation procedures.“ 4th International Symposium on Titanium in Dentistry, September 2-4, 1998, Geneva, Switzerland (abstract 0-24).
21. C. Knabe, F. Klar, R. Fitzner, R.J. Radlanski, U. Gross. „In vitro investigation of titanium and hydroxyapatite dental implant surfaces using osteogenic cultures“ 24th Annual Meeting Society for Biomaterials USA., April 22-26, 1998, San Diego, U.S.A. Transactions p.513.
22. C. Knabe, F. Klar, R. Fitzner, R.J. Radlanski, U. Gross. “Evaluation of titanium dental implant surfaces using osteogenic cultures.“ 27th General Session of the International Association for Dental Research, June 24-27, 1998, in Nice, France (J Dent Res 77, 2677 (1998).
23. K.-D. Wolff., K. Herzog, C. Knabe, L. Khasim, B. Hoffmeister. „Results of mandibular reconstruction with microsurgical iliac crest fibula transplants in connection with implants“ XIV Congress of the European Association for Cranio-Maxillofacial Surgery, EACMFS, September, 1-5, 1998, Helsinki, Finland.

1999

24. C. Knabe, R. Gildenhaar, G. Berger, R. Fitzner, R.J. Radlanski, U. Gross. „Evaluation of novel calcium titanium phosphates using osteogenic cultures“ Transactions 25th Annual Meeting of the Society for Biomaterials, April 28 - May 2, 1999, Providence, Rhode Island, U.S.A., Transactions p. 234.
25. A. Moormann, L. Wehnert, W.B. Freesmeyer, C. Knabe, R.J. Radlanski. „Influence of surface conditioning by ion implantation on the bond strength of gold alloys and porcelain.“ Annual Meeting of the International College of Prosthodontics, April 1999, Finland, Int J Prosthodont 12 (1999) 454-455.

2000

26. C. Knabe, C.R. Howlett, R. Gildenhaar, G. Berger, F. Klar, H. Zreiqat. „The effect of different dental titanium and calcium phosphate implant surfaces on the expression of bone-related genes and proteins in vitro“. 6th World Biomaterials Congress May 15-20, 2000, Kamuela, Hawaii, U.S.A., Transactions p. 238.
27. C. Knabe, C.R. Howlett, R. Gildenhaar, G. Berger, D. Reif, H. Zreiqat. „The functional expression of human bone derived cells grown on rapidly resorbable calcium phosphate ceramics“ 6th World Biomaterials Congress, May 15-20, 2000, Kamuela, Hawaii, U.S.A., Transactions p. 970.

28. C. Knabe, S. Nicklin, W. Yan, W.R. Walsh, R.J. Radlanski, B. Hoffmeister. "Growth factor expression after distraction osteogenesis of human mandibles." 2nd International Symposium on Distraction Osteogenesis in Cranio-Maxillofacial Surgery. October 19-21, 2000, Stuttgart, Germany.
- 2001
29. C. Knabe, G. Berger, R. Gildenhaar, H. Zreiqat „The effect of various calcium phosphate ceramics and a bone cement on the expression of bone-related genes and proteins by human bone derived cells.“ „Beeinflussung der Gen- und Proteinexpression von Osteoblasten durch Kalziumphosphatkeramiken und einen Knochenzement.“ 33rd Annual Meeting of the German Society for Basic Research in Dentistry. January 11-12, 2001, Mainz, Germany, Proceedings p. 21.
30. C. Knabe, C.R. Howlett, R. Gildenhaar, G. Berger, J. Meyer, H. Zreiqat "The Effect of Rapidly Resorbable Calcium Phosphates and a Calcium Phosphate Bone Cement on the Expression of Bone-Related Genes and Proteins in vitro." 27th Annual Meeting of the Society for Biomaterials U.S.A., April 24-29, 2001, St. Paul, Minnesota, U.S.A., Transactions p. 24.
31. C. Knabe, C.R. Howlett, R. Gildenhaar, G. Berger, H. Zreiqat. „The Functional Expression of Osteoblasts Grown on Resorbable Calcium Phosphates,“ 9th International Congress on Reconstructive Preprosthetic Surgery, May 10-12, 2001, Kiel, Germany.
32. C. Knabe, C.R. Howlett, R. Gildenhaar, G. Berger, H. Zreiqat. „The Effect of Rapidly Resorbable Calcium Phosphates on the Expression of Bone-Related Genes and Proteins by Osteoblasts.“ „Beeinflussung der Gen- und Proteinexpression von Osteoblasten durch resorbierbare Kalziumphosphatkeramiken,“ Joint Annual Meeting of the German Society for Oral Implantology and the German Society of Dentistry and Oral Medicine, October 11-13, 2001, Mannheim, Germany.
33. Annual Meeting of the German Society for Oral Implantology and the German Society of Dentistry and Oral Medicine, October 11-13, 2001, Mannheim, Germany.
34. A. Bumann, E. Frank, T. Drechsler, C. Knabe. „A novel distractor for intra-alveolar distraction osteogenesis (IADO),“ "Lückenmanagement mit einem praxisgerechten System zur intraalveolären Distractionsosteogenese (IADO)." Joint Annual Meeting of the German Society for Oral Implantology and the German Society of Dentistry and Oral Medicine, October 11-13, 2001, Mannheim, Germany.
35. A. Bumann, J. Mah, C. Bourauel, C. Knabe, "The use of orthodontic miniature implants for orthodontic anchorage" „Der Einsatz von praxisgerechten orthodontischen Mini-Implantaten (OMI) in der Kieferorthopädie.“ Annual Meeting of the German Society of Orthodontics. September 12-15, 2001, Friedrichshafen, Germany.
36. H. Zreiqat, C.R. Howlett, A. Zanettino, P. Evans, G. Schulze-Tanzil, C. Knabe, M. Shakibaei. "Mechanisms of magnesium-stimulated adhesion of osteoblastic cells to commonly used orthopaedic implants." Annual Meeting of the American Society for Bone and Mineral Research, October 2001, Phoenix, Arizona, U.S.A. SU 064 Journal of Bone and Mineral Research, Vol 16, Suppl 1 September 2001, pp S328.
- 2002
37. C. Knabe, C.R. Howlett, B. Markovic, R. Gildenhaar, G. Berger, D. Reif, H. Zreiqat. "The Functional Expression of Human Bone Derived Cells Grown on Resorbable Bioactive Glass Ceramics." 28th Annual Meeting of the Society for Biomaterials U.S.A., April 24-27, 2002, Tampa, U.S.A., Transactions p. 706.
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