

# reference list

**ORTHOSS®**

all published papers available  
on request

Geistlich Pharma AG  
Division Biomaterials  
Bahnhofstrasse 40  
CH-6110 Wolhusen/Switzerland  
phone ++41/41/492 56 30  
fax ++41/41/492 56 39  
biomaterials@geistlich.ch  
www.geistlich.ch

## **2001**

- Orr, T.E., et al., *Compressive properties of cancellous bone defects in a rabbit model treated with particles of natural bone mineral and synthetic hydroxyapatite*. Biomaterials, 2001. **22**(14): p. 1953-9.
- Artzi Z., Nemcovsky C., Tal H., Dayan D.  
Histopathological Morphometric Evaluation of 2 Different Hydroxyapatite-Bone Derivatives in Sinus Augmentation Procedures: A Comparative Study in Humans  
J Periodontol, Vol. 72, No. 7, pp: 911-920, 2001
- Artzi Z., Nemcovsky C., Tal H.  
Efficacy of Porous Bovine Bone Mineral in Various Types of Osseous Deficiencies: Clinical Observations and Literature Review  
Int J Periodontics Restorative Dent, Vol. 21, No.4, pp: 395-405, 2001
- Benke D., Olah A., Möhler H.  
Bio-Oss bone substitute contains carbonate but fails to display protein including TGFβ  
Biomaterials, Vol. 22, pp: 1005-1012, 2001
- De Santis D., Nocini P.F., Armato U., Gotte P.  
Tissue Engineering with Autologous Human Osteoblast Cells (AHOC) and Deproteinized Natural Bone Mineral (DNBM) Matrices: A Clinical Case  
ZZI, Abstracts, p:20, Supplement 2001
- Kloss F., Schlegel K.A., Schultze-Mosgau S., Wiltfang J., Neukam F.W.  
Clinical and Histological Findings in Sinus Augmentations using Autogenous and Xenogenous Materials  
ZZI, Abstracts, p:14, Supplement 2001
- Maiorana C., Santoro F., Rabagliati M., Salina S.  
Evaluation of the Use of Iliac Cancellous Bone and Anorganic Bovine Bone in the Reconstruction of the Atrophic Maxilla with Titanium Mesh: A Clinical and Histologic Investigation  
Int J of Oral & Maxillofac Implants Vol 16, pp: 427-432, 2001
- Simion M., Chierichetti V., Masiero S.  
Biomaterials in Osseous Surgery  
Il Dentista Moderno, pp: 27-57, 2001
- Wenz B., Peetz M.  
Sicherheit natürlicher Knochenersatzmaterialien  
Parodontologie, Vol. 12, No.3, pp: 289-298, 2001
- Wenz B., Oesch B., Horst M.  
Analysis of the Risk of Transmitting bovine Spongiform Encephalopathy through Bone Grafts Derived from Bovine Bone  
Biomaterials, Vol. 22, pp: 1599-1606, 2001

## **2000**

- Aaboe M., Schou S., Hjørting-Hansen E., Helbo M., Vikjaer D.  
Osseointegration of subperiosteal implants using bovine bone substitute and various membranes  
Clin. Oral Impl. Res., Vol. 11, pp: 51-58, 2000
- Acil Y., Terheyden H., Dunsche A., Fleiner B., Jepsen S.  
Three-dimensional cultivation of human osteoblast-like cells on highly porous natural bone mineral  
J Biomed. Mater. Res., Vol. 51, No. 4, pp: 703-710, 2000
- Maioranana C., Redemagni M., Rabagliati M., Salina S.  
Treatment of Maxillary Ridge Resorption by Sinus Augmentation with Iliac Cancellous Bone, Anorganic Bovine Bone, and Endosseous Implants: A Clinical and Histologic Report  
Int J of Oral & Maxillofac Impl, Vol. 15, No. 6, 2000
- Mellonig T.  
Human histologic evaluation of a bovine-derived bone xenograft in the treatment of periodontal osseous defects

Int J of Periodontics & Restorative Dentistry, Vol. 20, No. 1, pp:18-29, 2000

- Van Steenberghe D., Callens A., Geers L., Jacobs R.  
The clinical use of deproteinized bovine bone mineral on bone regeneration in conjunction with immediate implant installation  
Clin. Oral Impl. Res., Vol. 11, pp: 210-216, 2000
- Weibrich G., Trettin R., Gnoth S.H., Götz H., Duschner H., Wagner W.  
Analysis of the size of the specific surface area of bone regeneration materials by gas adsorption  
Mund Kiefer GesichtsChir, Art. 156, pp: 1-5, 2000
- Weng D., Zuhr O., Hürzeler M.B.  
Immediate Placement, Augmentation and Loading of Implants  
Implantologie, Vol. 2, pp: 191-198, 2000

### **1999**

- Abensur D., Valentini P.  
Welches Material eignet sich zur Sinusaugmentation?  
Parodontologie, Vol. 1, pp: 21-34, 1999
- McAllister B.S., Margolin M.D., Cogan A.G., Buck D., Hollinger J.O., Lynch S.E.  
Eighteen-Month radiographic and histologic evaluation of sinus grafting with anorganic bovine bone in the chimpanzee  
Int J of Oral & Maxillofacial Implants, Vol. 14, pp: 361-368, 1999
- Stephan E.B., Jiang D., Lynch S.E., Bush P., Dziak R.  
Anorganic bovine bone supports osteoblastic cell attachment and proliferation  
J Periodontol., Vol. 70, No. 4, pp: 364-369, 1999

### **1998**

- Haas R., Donath K., Födinger M., Watzek G.  
Bovine hydroxyapatite for maxillary sinus grafting: comparative histomorphometric findings in sheep  
Clin. Oral Impl. Res., Vol. 9, pp: 107-116, 1998
- Haas R., Mailath G., Dörtbudak 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., Vol. 9, pp: 117-122, 1998

### **1997**

- Benezra V., Hobbs L.W., Spector M.  
Ultrastructure and architecture of bone mineral and selected synthetic bone substitutes revealed by low voltage high resolution SEM  
23rd Annual Meeting of the Society for Biomaterials, New Orleans, Louisiana, USA, April 30-May 4, 1997
- Behrens P.  
Human osteoblast like-cells cultured on hydroxyapatite as an autograft implant (Abstract)  
Swiss Society of Biomaterials, 2nd General Meeting, May 8, 1996, Winterthur
- Haas R., Donath K., Födinger M., Watzek G.  
Histomorphometric results of sinus lift procedures in sheep using bovine hydroxyapatite  
7th International Congress on Reconstructive Preprosthetic Surgery, Copenhagen, June 4-7, pp: 59, 1997
- Peetz M.  
Characterization of xenogeneic bone material  
In: Osseous Reconstruction of the Maxilla and the Mandible, Philip J. Boyne, Quintessenz Publishing Co, Inc., Chicago, pp: 87-100, 1997

Comparison of porous bone mineral and biologically active glass in critical-sized defects  
J Periodontol., Vol. 68, No. 11, pp: 1043-1053, November 1997

### **1996**

- Hämmerle C.H.F., Ghiatelle G., Karring T., Lang N.P.  
Effect of natural bone mineral on bone regeneration around titanium dental implants  
Clin. Oral Impl. Res., Vol. 7, pp: 184, 1996
- Hutmacher D., Hürzeler M.B., Ackermann K.L., Kirsch A.  
Biologisch abbaubare Polymerwerkstoffe in der chirurgischen Zahnheilkunde - Stand der Technik -  
Zukunftsperspektiven  
Zahnheilkunde, pp: 28-37, Sept. 1996
- Jensen S.S., Aaboe M., Pinholt E.M., Hjorting-Hansen E.  
Tissue reaction and material characteristics of four bone substitutes  
Int J of Oral and Maxillofacial Implants, Vol. 11, No. 1, pp: 55-66, 1996
- Orr T.E., Patel A., Mitchell S., Lah J., Lyons S., Spector M.  
Bone defects treated with bone mineral and synthetic hydroxyapatite: Compressive properties in a novel lapine  
model  
42nd Annual Meeting, Orthopaedic Research Society, Atlanta, Georgia, February 19-22, 1996

### **1995**

- Brion M., Clergeau L.P., Clergeau Gueritault S., Danan  
Anorganic Bone + Collagen in the treatment of periodontal intrabony defects  
The American Institute of Oral Biology, the 52th Annual Meeting, Palm Springs, California, October 20-24, 1995
- Mitchell S.L., Villars P.A., Orr T.E., Spector M.  
Compressive properties of cancellous bone defects in a rabbit model treated with natural bone mineral and  
synthetics HA  
The 21th Annual Meeting of the Society for Biomaterials, San Francisco, California, USA, March 8-12, 1995

### **1994**

- Ackermann K.L., Kirsch A., Donath K.  
Phykogenes, bovines und korallines Hydroxylapatit als Augmentationsmaterial des recessus alveolaris maxillae  
Z. Stomatol. 91/5: 219-224, 1994
- Boyne Ph.J.  
Use of porous bone mineral to increase bone density  
Mat. Res. Soc. Symp. Proc. Vol. 331, pp: 263-268, 1994
- Cohen R.E., Mullarky R.H., Noble B., Comeau R.L., Neiders M.E.  
Phenotypic characterization of mononuclear cells following anorganic bovine bone implantation in rats  
J Periodontol., Vol. 65, No. 11, pp. 1008-1015, 1994
- Peetz M.  
Properties of biomaterials for bone regeneration  
Proceedings Giornate Internazionali di Implantologia Orale, Abano Terme, April 14-17, 1994  
Monduzzi Editore S.p.A., Bologna (Italy)
- Spector M.

Anorganic bovine bone and ceramic analogs of bone mineral as implants to facilitate bone regeneration  
Clinics in Plastic Surgery, Vol. 21, No. 3, pp: 437-444, July 1994

- Villars P.A., Michell S.L. et al.  
Anorganic bovine bone as a substitute for allograft: Surface chemistry and mechanical performance  
The 20th Annual Meeting of the Society for Biomaterials, Massachusetts, USA, April, 5-9, 1994

### **1993**

- Hislop W.S., Finlay P.M. Moos K.F.  
A preliminary study into the uses of anorganic bone in oral and maxillofacial surgery  
British Journal of Oral and Maxillofacial Surgery, 31, pp: 149-153, 1993
- Pauli Ch., Schlickewei W., Kuner E.H., Schenk R.K.  
Bovine apatite: Its value as a bone substitute  
Osteologie aktuell VII, Hrsg.: H.J. Pesch, H. Stöss, B. Kummer, Springer Verlag, pp: 288-291, 1993
- Spector M.  
Analog of bone mineral as implants to facilitate bone regeneration  
Proc. Portland Bone Symposium Oregon, July 21-24, 1993

### **1992**

- Behrens P. et al.  
Reconstruction of long bone defects in rats with different grafting materials using an external fixation device  
Second Conference of the European Orthopedic Research Society, Varese (Italy), September 27-30, 1992
- Boyne P.J.  
Reconstruction of osseous defects in the Maxillofacial Surgery  
In: Bone Grafts & Bone Substitutes, Edited by. M.B. Habal, A.H. Reddi, W.B. Saunders Company, Chapter 27,  
pp: 291-298, 1992
- Klinge B., Alberius P., Isaksson S., Jönsson J.  
Osseous response to implanted natural bone mineral and synthetic hydroxylapatite ceramic in the repair of  
experimental skull bone defects  
J. Oral. Maxillofac. Surg. 50, 241-249, 1992
- Schenk R.  
Bio-Oss Bericht über die histologische Untersuchung von 6 Biopsien aus dem Patientengut der Orthopädischen  
Klinik des Kantosnspitals Chur  
Pathologisches Institut der Universität Bern, 20, Feb. 1992

### **1991**

- Kita K., Rivin J.M., Spector M.  
A quantitative characterization of the osseous response to natural bone mineral and synthetic hydroxyapatite  
ceramic  
Department of Orthopaedics, Harvard Medical School, Boston, MA, USA, 1991 (Congress report)
- Schlickewei W., Paul Ch.  
Experimental investigations on bone replacement using bovine apatite  
Hefte zur Unfallheilkunde, Heft 216, Hrsg. A.H. Huggler, E.H. Kuner, Springer-Verlag, pp 59-69, 1991

- Spector M.  
Characterization of calcium phosphate bioceramic implants  
Hefte zur Unfallheilkunde, Heft 216, Hrsg. A.H. Huggler, E.H. Kuner, Springer-Verlag, pp. 11-22, 1991
- Yousefi M., Kita K., Spector M.  
Bone remodeling around natural and synthetic apatite implants.  
American Academy of Implant Dentistry Research Foundation, Washington, DC, April 26-27, 1991

### **1989**

- Schlickewei W., Kuner E.H., Pauli Ch., Schenk R.  
Experimentelle Erfahrungen mit einem bovinen, anorganischen Knochenersatzmaterial  
Hefte zur Unfallheilkunde, Heft 207, 1989

### **1987**

- Bereiter H., Huggler A.H.  
A new anorganic bovine bone graft material animal and human studies.  
Symposium on Bone Transplantation, Berne/Switzerland, Mai 14-16, 1987
- Boyne Ph.J  
Comparison of porous and nonporous hydroxyapatite and anorganic xenografts in the restoration of alveolar ridges  
American Society for Testing and Materials, pp. 359-369, 1987
- Huggler A.H., Bereiter H., Kita K. and Spector M.  
A new anorganic bovine bone graft material: Animal and human studies  
SICOT 87, XVIII. World Congress, Munich, August 16-21, 1987
- Kita K., Spector M.  
Natural bone mineral (anorganic bovine bone) as a bone grafting agent  
The 13th Annual Meeting of the Society of Biomaterials, New York, USA, June 2-6, 1987
- Spector M.  
Biological requirements and fate of bone grafts and substitutes  
Harrington Arthritis Research Center, 1800 East Van Buren Street, Phoenix, Arizona 85006, 1987

October 2001 / ABA