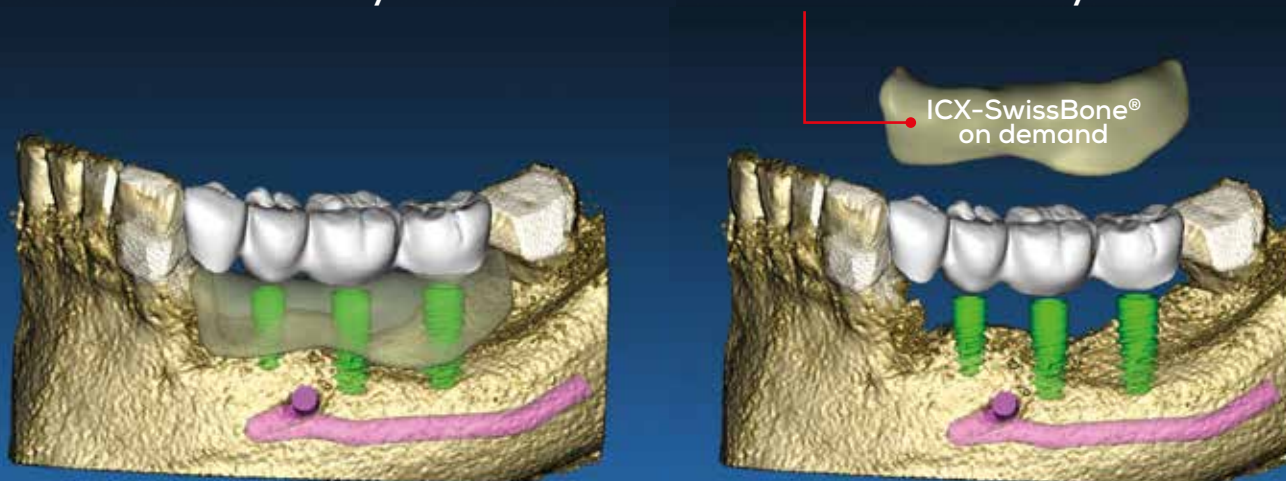


on demand

medentis medical offers you all from one source!

Implant planning, drilling template, ICX-SwissBone® on demand
and much more ...

Within 15 business days the "ICX-SwissBone® on demand" in your clinic!



Designing with ICX-MAGELLAN X

ICX-SwissBone® is available
not only digitally, but also in
different grain sizes and
package sizes available.

(See back page)



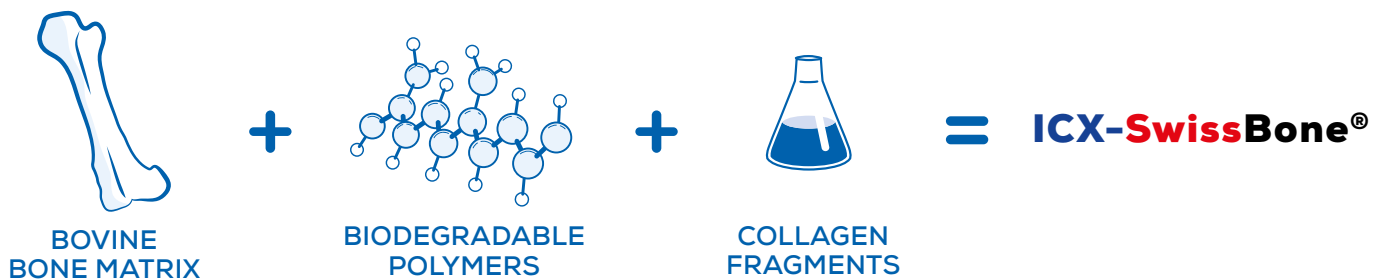
Moving into the dental future together with ICX.

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The characteristics of ICX-SwissBone®

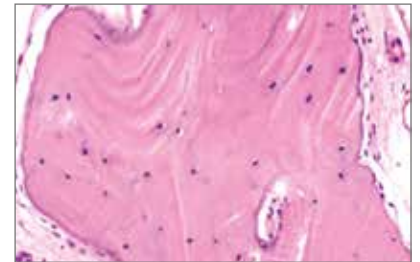
Innovation is the key to the success of ICX-SwissBone®, a new hybrid bioactive bone graft substitute specifically designed for bone regeneration in reconstructive surgery. ICX-SwissBone® is produced by combining a bovine mineral bone matrix with bioactive resorbable polymers and collagen fragments.

This new composite biomaterial concept promotes rapid growth of the patient's cells into ICX-SwissBone® as its biopolymers degrade, allowing for desired integration and osteogenesis.



2.5 years after the surgery

Fully replaced graft and mature lamellar bone has formed.



ICX-SwissBone® :

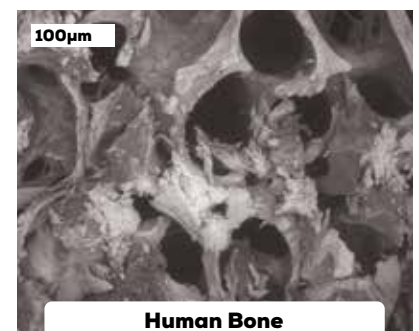
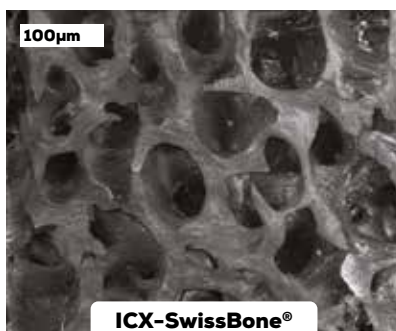
- encourage high load-bearing capacity
- high volumetric stability (>95%); the polymers protect the bone from earlier resorption
- high strength with screw fixation

ICX-SwissBone® supports:

- in the adhesion and colonisation of blood cells
- ensure high hydrophilicity and thus enhance the chemical signalling cascade that promotes the osteogenic process

Open and cohesive porosity

The microstructure of the composite matrix of ICX-SwissBone® strongly resembles human bone in terms of open and medium porosity.



ICX-SwissBone® is ideally suited for:

- Regeneration of periodontal bone defects
- Horizontal alveolar ridge augmentation
- Regeneration of extraction sockets
- Sinus floor lift
- Regeneration of cavities between the alveolar wall and immediate implants
- Ridge augmentation at implant sites with sufficient residual bone and good blood supply

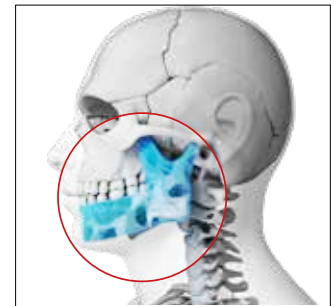
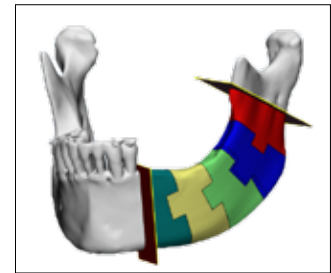
Hybrid bioactive
bone graft substitute
for reconstructive oral
and maxillofacial surgery.



ICX-SwissBone® is completely resorbed and replaced by the patient's own bone within 1-2 years:

This excellent result guarantees vital, functional bone-implant integration.

ICX-SwissBone® is extremely biocompatible and meets the requirements of ISO 10993-1.



Go to the detailed
deposited studies!

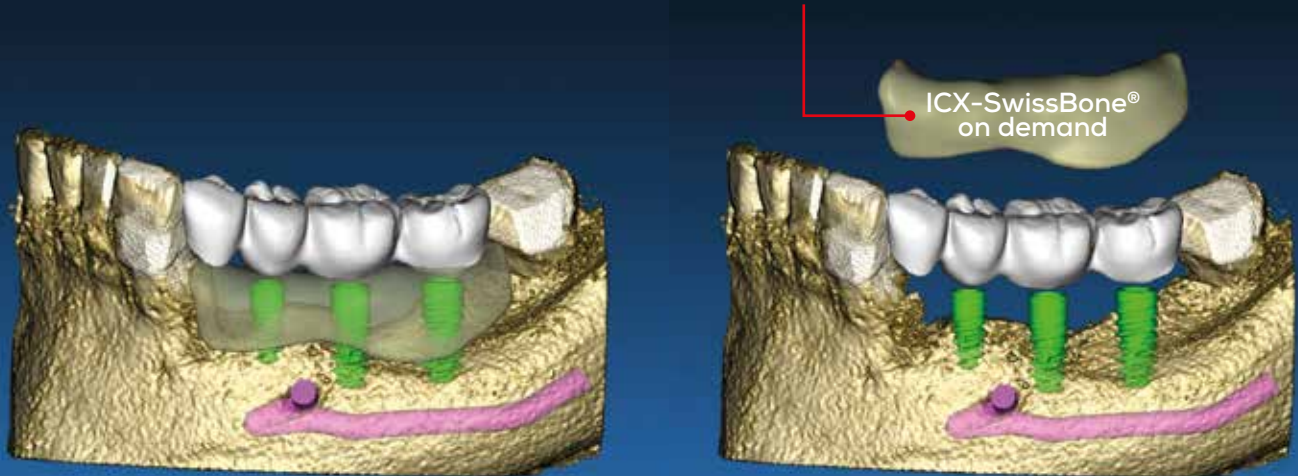


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& SWISS
MADE**



How to receive your ICX-SwissBone® on demand?

After 15 business days the "ICX-SwissBone® on demand" is in your clinic!



Designing with ICX-MAGELLAN X

Step 1

Design your implants or augmentations in the ICX-MAGELLAN with the ICX-MAGELLAN X software.

Step 2

Please save the digitally designed bone block as .STL files and send it to our email: icx-swissbone@medentis.de

Step 3

You will receive the sterile bone graft back from medentis by UPS approx. 15 business days later.

Download our
ICX-MAGELLAN X-
App for free!



Our prices for ICX-SwissBone® on demand

description	size/quantity in cc volume	prices*
ICX-SwissBone® on demand	up to a size of 23mm x 13mm x 13mm	
Each additional ICX-SwissBone® on demand cc volume above up to a maximum of 60mm x 30mm x 15mm		

* All prices without statutory VATs

ICX-SwissBone® Bone on demand - individual for every patient!

Literature:

Go to the detailed
deposited studies!



The Influence of Residual Alveolar Bone Height on Graft Composition after Maxillary Sinus Augmentation Using Two Dierent Xenografts: A Histomorphometric Comparative Study Silvio Taschieri 1,2,3 , Moses Ofer 4, Stefano Corbella 1,2,3, Tiziano Testori 1,2,5, Claudia Dellavia 1, Carlos Nemcovsky 4, Elena Canciani 1 , Luca Francetti 1,2 , Massimo Del Fabbro 1,2,* ,y and Gianluca Tartaglia 1,y Materials 2020, 13, 5093; doi:10.3390/ma13225093

The Few Who Made It: Commercially and Clinically Successful Innovative Bone Grafts Ignacio Sallent1,2, Héctor Capella-Monsonís1,2, Philip Procter3,4, Ilia Y. Bozo5,6, Roman V. Deev5,7, Dimitri Zubov8,9, Roman Vasylyev8,9, Giuseppe Perale10, Gianni Pertici10, Justin Baker11, Peter Gingras11, Yves Bayon12 and Dimitrios I. Zeugolis1,2* Frontiers in Bioengineering and Biotechnology | www.frontiersin.org September 2020 | Volume 8 | Article 952

Case Report Custom-Made Horizontal and Vertical Maxillary Augmentation with Smartbone® On Demand A Seven-Year Follow-Up Case Elias Messo 1,2, Carlo F. Grottoli 3,* , Giuseppe Perale 3,4,5 and Jan-Michaël Hirsch 2,6 Appl. Sci. 2020, 10, 8039; doi:10.3390/app10228039 www.mdpi.com/journal/applsci

Case Report Clinical Case Employing Two Dierent Biomaterials in Bone Regeneration Roberto Ghiretti 1,* , Carlo F. Grottoli 2, Alberto Cingolani 2 and Giuseppe Perale 2,3,4 Appl. Sci. 2020, 10, 4516; doi:10.3390/app10134516 www.mdpi.com/journal/applsci

Technical Note Xeno-Hybrid Composite Scaold Manufactured with CAD/CAM Technology for Horizontal Bone-Augmentation in Edentulous Atrophic Maxilla: A Short Communication Maria Paola Cristalli 1, Gerardo La Monaca 2 , Nicola Pranno 2,* , Susanna Annibali 2, Giovanna Iezzi 3 and Iole Voza 2 Appl. Sci. 2020, 10, 2659; doi:10.3390/app10082659 www.mdpi.com/journal/applsci

Article Simulated Performance of a Xenohybrid Bone Graft (SmartBone®) in the Treatment of Acetabular Prosthetic Reconstruction Carlo Francesco Grottoli 1, Alberto Cingolani 1, Fabio Zambon 2, Riccardo Ferracini 3,4 , Tomaso Villa 2 and Giuseppe Perale 1,5,* J. Funct. Biomater. 2019, 10, 53; doi:10.3390/jfb10040053

Three-Dimensional Craniofacial Bone Reconstruction With SmartBone on Demand Enzo Facciuto, MD, Carlo Francesco Grottoli, MSE,y Maurizio Mattarocci, MD, Fausto Illiano, MD, Mara Compagno, PhD,z Riccardo Ferracini, MD, PhD,s and Giuseppe Perale, MSE, PhDyjj The Journal of Craniofacial Surgery Volume 30, Number 3, May 2019

Article A Radiological Approach to Evaluate Bone Graft Integration in Reconstructive Surgeries Carlo F. Grottoli 1, Riccardo Ferracini 2,* , Mara Compagno 3, Alessandro Tombolesi 4 , Osvaldo Rampado 4 , Lucrezia Pilone 1,5, Alessandro Bistolfi 6, Alda Borrè 4, Alberto Cingolani 1 and Giuseppe Perale 1,2,7,* Appl. Sci. 2019, 9, 1469; doi:10.3390/app9071469

Evaluation of custom made xenogenic bone grafts in mandibular alveolar ridge augmentation versus particulate bone graft with titanium mesh Mohammed S. Abuelnaga, Nader N. Elbokle, Mohammed M. Khashaba Department of Oral and Maxillofacial Surgery, Faculty of Oral and Dental Medicine, Cairo University, Cairo, Egypt. Personal non-commercial use only. OMX copyright © 2018. All rights reserved DOI: 10.21608/OMX.2018.18827

Improving Bovine Bone Mechanical Characteristics for the Development of Xenohybrid Bone Grafts Alberto Cingolani1,2, Carlo Francesco Grottoli2, Raffaella Esposito3, Tomaso Villa3, Filippo Rossi4 and Giuseppe Perale2,5,6* 1873-4316/18 \$58.00+.00 © 2018 Bentham Science Publishers

Bone grafts: which is the ideal biomaterial? Håvard Jostein Haugen1,2 | Ståle Petter Lyngstadaas1,2 | Filippo Rossi3 | Giuseppe Perale4,5,6 J Clin Periodontol. 2019;1-11. wileyonlinelibrary.com/journal/jcpe © 2019 John Wiley & Sons A/S.

New bone formation after transcrestal sinus floor elevation was influenced by sinus cavity dimensions: A prospective histologic and histomorphometric study Claudio Stacchi1 | Teresa Lombardi2 | Roberto Ottonelli3 | Federico Berton1 | Giuseppe Perinetti1 | Tonino Traini4 Clin Oral Impl Res. 2018;1-15.

Socket Preservation Using a Small Particulate Xenograft: A Case Report Dr. Lanka Mahesh1 • Dr. Devich Aran Shetty2 • Dr. Sagrika Shukla3 Vol. 9, No. 4 • May/June 2017

Management of a Failed Implant Site with Guided Bone Regeneration, Reimplantation, and Root Submergence Technique 1Nitika Poonia, 2Hilde Morales, 3Lanka Mahesh International Journal of Oral Implantology and Clinical Research, May-August 2016;7(2):1-3

Positioning of a Contextual Implant Along with a Sinus Lift with Smartbone® Microchips of Composite Heterologous-Synthetic Bone Ilaria Zollino1, Giorgio Carusi2,3, Francesco Carinci1, Giuseppe Perale3,4 Indian J Stomatol 2015;6(2):59-62

RECONSTRUCTION OF THE ZYGOMATIC BONE WITH SMARTBONE®: CASE REPORT F. GRECCHI1, G. PERALE2,3, V. CANDOTTO4, A. BUSATO5, M. PASCALI6 and F. CARINCI4 JOURNAL OF BIOLOGICAL REGULATORS & HOMEOSTATIC AGENTS Vol. 29, no. 3 (S1), 42-47 (2015)

COMPOSITE POLYMER-COATED MINERAL SCAFFOLDS FOR BONE REGENERATION: FROM MATERIAL CHARACTERIZATION TO HUMAN STUDIES G. PERTICI1, F. CARINCI2, G. CARUSI3, D. EPISTATUS4, T. VILLA5,6, F. CRIVELLI7, F. ROSSI8 and G. PERALE1,9 JOURNAL OF BIOLOGICAL REGULATORS & HOMEOSTATIC AGENTS Vol. 29, no. 3 (S1), 136-148 (2015)

Composite polymer-coated mineral grafts for bone regeneration: material characterisation and model study G Pertici1,2, F Rossi3, T Casalini3, G Perale1,2,4* Pertici G, Rossi F, Casalini T, Perale G. Composite polymer-coated mineral grafts for bone regeneration: material characterisation and model study. Annals of Oral & Maxillofacial Surgery 2014 Feb 14;2(1):4.

Or by post: medentis medical GmbH · Walporzheimer Str. 48-52 · 53474 Bad Neuenahr/Ahrweiler

Available sizes / quantities ICX-SwissBone®

Article no.	description	size/quantity	price*	quantity
ICX102010	ICX-SwissBone®	1-2mm · 1g		
ICX102020	ICX-SwissBone®	1-2mm · 2g		
ICX251005	ICX-SwissBone®	0.25-1mm · 0.5g		
ICX251010	ICX-SwissBone®	0.25-1mm · 1g		
ICX251020	ICX-SwissBone®	0.25-1mm · 2g		

Our prices for ICX-SwissBone® on demand

description	size/quantity in cc volume	prices*
ICX-SwissBone® on demand	up to a size of 23mm x 13mm x 13mm	
Each additional ICX-SwissBone® on demand cc volume above up to a maximum of 60mm x 30mm x 15mm		

*All prices without VAT.

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