



Cover image courtesy of Straumann  
<https://straumann.com>



## editorial

- Recognition of two-piece systems 03  
 Georg Isbaner

## research

- Room for improvement 06  
 Dr Dirk U. Duddeck
- Measuring bone density by intra-oral ultrasound for secure implant insertion 08  
 Dr Johann Lechner

## case report

- Ceramic implant placement in a high-load posterior situation 12  
 Dr Alexandr Bortsov
- Floating implants with ceramic implants and the BISS 16  
 Prof. Shahram Ghanaati, Dr Karl Ulrich Volz, Dr Rebekka Hueber & Caroline Vollmann
- Placement of one- and two-piece ceramic implants 22  
 Prof. Belir Atalay, Dr Alper Çildir, Dr Burcu Balkan & Dr Alanur Büyükvardar
- Restoring natural aesthetics in the posterior mandible 28  
 Dr Saurabh Gupta
- Full-arch restoration of the maxilla with two-piece zirconia implants 32  
 Dr Nashat Gara
- Complete rehabilitation of an unsatisfactorily restored mandible 34  
 Dr Michael Leistner
- Rebuilding aesthetics with customised abutments on ceramic implants 36  
 Dr Rouven Wagner

## interview

- Safe and fast osseointegration with two-piece zirconia implants 42  
 An interview with Dr Roland Glauser

## events

- The 10<sup>th</sup> IAOCI Anniversary Annual Congress 44  
 Dr Sammy Noubissi
- First Joint Congress for Ceramic Implantology held with great success 46  
 Caroline Vollmann

## news

- manufacturer news 48
- news 54

## about the publisher

- imprint 58

# NovoMatrix™ Reconstructive Tissue Matrix – the next generation material

NovoMatrix™ Reconstructive Tissue Matrix is an acellular dermal matrix derived from porcine tissue intended for soft tissue applications. The proprietary LifeCell™ tissue processing is designed to maintain the biomechanical integrity of the tissue, which is critical to support tissue regeneration.

### Indications

- Localized gingival augmentation to increase keratinized tissue (KT) around teeth and implants
- Alveolar ridge reconstruction for prosthetic treatment
- Guided tissue regeneration procedures in recession defects for root coverage

### Product features

- Consistent thickness (1 mm)
- Pre-hydrated
- Controlled source

[www.biohorizonscamlog.com](http://www.biohorizonscamlog.com)

Before use, physicians should review all risk information, which can be found in the Instructions for Use attached to the packaging of each NovoMatrix™ Reconstructive Tissue Matrix graft. NovoMatrix™ is a trademark of LifeCell™ Corporation, an Allergan affiliate. ©BioHorizons. All rights reserved. Not all products are available in all countries.



## Bone tissue augmentation

# MinerOss™ A The allograft for outstandingly fast bone remodeling [1]

The scientific evidence shows that allografts are the second best option to patient's own bone compared to other bone substitutes. [2]

### Benefits of MinerOss™ A human bone substitute [1, 3–5]

- Optimal osteoconductivity
- Fast graft incorporation
- Complete remodeling potential

[www.biohorizonscamlog.com](http://www.biohorizonscamlog.com)



- [1] Wen et al. J. Periodont. 2019, 1, 734.  
[2] Schmitt et al. Clin Oral Implants Res. 2013, 24, 576.  
[3] Kloss et al. Clin Oral Implants Res. 2018, 29, 1163.  
[4] Solakoglu et al. Clin Implant Dent Relat Res. 2019, 21, 1002-1016.  
[5] Kloss et al. Clin Case Rep. 2020, 8, 5.  
References available at: [www.biohorizonscamlog.com/references\\_minerossa](http://www.biohorizonscamlog.com/references_minerossa)

MinerOss™ A is a trademark of BioHorizons®. BioHorizons® is a registered trademark of BioHorizons. ©BioHorizons. All rights reserved. Not all products are available in all countries.

