



research 14



user report 24



user report 28

## | editorial

- 03 **Making history**  
| Dr Friedhelm Heinemann

## | research

- 06 **Single molar restoration**  
| Prof Dr Amr Abdel Azim, Dr Amani Zaki,  
Dr Mohamed el Anwar
- 12 **Implant fracture:**  
**A look at the physical mechanisms for failure**  
| Dr Dov M. Almog, Dr Odalys Hector, Dr Samuel Melcer,  
Dr Kenneth Cheng
- 14 **In vitro wear of human enamel opposing**  
**YTZP zirconia**  
| T. R. Tambra, M. E. Razzoog, B. R. Lang, R. F. Wang,  
B. E. Lang

## | user report

- 24 **Sinus lift without scalpel**  
| Dr Philip Jesch, Dr Klaus Eder
- 28 **3-D alveolar ridge reconstruction in a case**  
**with severe bone loss**  
| Prof Dr Marcel Arthur Wainwright

- 32 **The use of polylactide-coated  $\beta$ -TCP**  
| Dr Stefan Neumeyer, Dr Stefanie Neumeyer-Wühr

## | meetings

- 37 **International events 2011**
- 38 **After 40 years, DGZI is in its prime**  
| Dr Christian Ehrensberger
- 42 **The Anatomy Weekend is also in great**  
**international demand**  
| Dr Christian Ehrensberger

## | news

- 44 **Manufacturer News**
- 48 **Congratulations and Happy Birthday**  
**to all DGZI-members around the world**

## | about the publisher

- 49 | submission guidelines
- 50 | imprint



user report 32



meetings 38



meetings 42

# NobelReplace™

The world's most used implant system.\*

Internal tri-channel connection for accurate and secure prosthetic restorations.

TiUnite® surface and Groovy™ to enhance osseointegration.

Implant design that replicates the shape of natural tooth roots.



Color-coded system for accurate and fast component identification and ease of use.

Color-coding: step-by-step drilling protocol for predictable surgical procedures.

**NEW**

Now also available in 11.5 mm length

Versatility, ease-of-use and predictability have made NobelReplace Tapered the most widely used implant design in the world.\* NobelReplace Tapered is a general use, two-piece implant system that performs both in soft and hard bone, one- and two-stage surgical procedures, while consistently delivering

optimal initial stability. NobelReplace Tapered is a system that grows to meet the surgical and restorative needs of clinicians and their patients – from single-tooth restorations to more advanced multi-unit solutions. Whether clinicians are just starting or are experienced implant users, they will benefit from a system that

is unique in flexibility and breadth of application.

Nobel Biocare is the world leader in innovative and evidence-based dental solutions.

For more information, or visit our website.

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