



| 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. Tamba, M. E. Razzoog, B. R. Lang, R. F. Wang,
B. E. Lang

| user report

- 24 **Sinus lift without scalpel**
| Dr Phillip 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 β -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



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