





### editorial

Implantology faces new challenges
\_Friedhelm Heinemann, Germany

# report

\_case report

O6 Bone quality, quantity and metabolism in terms of dental implantation
\_Jochen Fanghänel, Tomasz Gedrange, Germany

\_case report

12 Reconstruction of damaged fresh sockets by connective-bone sliver graft from the maxillary tuberosity, to enable immediate dentoalveolar restoration (IDR)— A clinical case

\_José Carlos Martins da Rosa, Darcymar Martins da Rosa, Carla Mônica Zardo, Ariádene Cristina Pértile de Oliveira Rosa, Luigi Canullo, Brazil and Italy

user report

18 Clinical outcomes of flapless implant surgery using a handpiece driven stereolithographic surgical guide
\_Volkan Arisan, Z. Cuneyt Karabuda, Turkey

\_case report

26 Extraction, immediate implant placement and guided bone regeneration using a flapless approach
\_Barry K. Bartee, DDS, MD, USA

\_case report

Precautions for using zirconia implant abutments
\_Moustafa N Aboushelib, Egypt, and Rien van Paridon, Netherlands

\_user report

32 Resorption mechanism of an injectable calcium phosphate bone regeneration cement – Radiographic and histological monitoring \_Sérgio Alexandre Gehrke, Brazil

#### events

worldwide events

38 DGZI Adria Congress on the Isle of Vis \_Rolf Vollmer, Rainer Valentin, Germany

\_worldwide events

40 5th Arab German Implantology Meeting DGZI in Damascus

worldwide events

42 Saudi Arabia—Tradition and modern times! 20th Saudi Dental Society and 2nd National Guard "New Dental Era" International Conference 2009, organized in cooperation with the German Association of Dental Implantology (DGZI)
\_Rolf Vollmer, Germany

implant events

45 Selected Events 2009/2010

#### news

\_ social news

46 Congratulations and Happy Birthday to all DGZI-members around the world

manufacturer news

47 Manufacturer News

## about publisher

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

10 YEARS WITH
TIUNITE® SURFACE
New data confirm
long-term stability.

\* Source: Millennium Research Group

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 evidence-based dental solutions.

For more information, visit our website.

www.nobelbiocare.com/nobelreplace