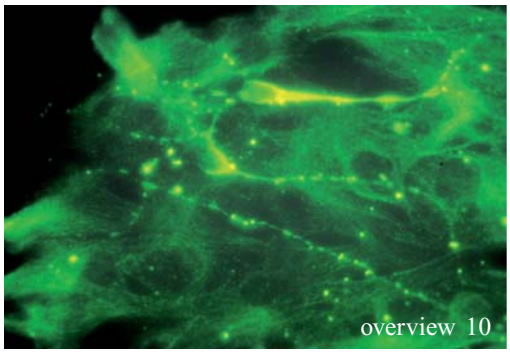






editorial

03 Dear Laser users
| Prof Dr Norbert Gutknecht

research

06 Surface analysis of Erbium: YAG laser etching v/s acid etched surface
| Dr Roheet Khatavkar & Dr Vivek Hegde

overview

10 Laser phototherapy (LPT) in dentistry
| Jan Túner

case report

16 Low-level laser therapy in the treatment of herpes labialis
| Dr Igor Cernavin

18 Laser-assisted frenectomy in pediatric dentistry
| Dr Gabriele Schindler-Hultzsch

22 Technology-enhanced caries detection and treatment options
| Michele Baffi Diniz, Dr Jonas Almeida Rodrigues, Dr Adrian Lussi

26 Endodontic treatment of periapical chronic perdiodontitis
| Prof Umberto Romeo, Dr Gaspare Palaia, Dr Roly Kornblit, Dr Gianluca Tenore, Dr Alessandro Del Vecchio

user report

30 Using lasers to tackle periodontitis
| Stefan Gottschalk

feature

34 From theory to the first working laser
| Ingmar Ingenegeren

social news

36 Official Awarding Ceremony EMDOLA
| Dajana Klöckner

38 Successful with a Master Degree

meetings

40 International events 2010/2011

laser

42 13th Laser-Beginners-Congress "LASER START UP" and 18th Annual Conference of DGL

44 Traducción
| Dr Josep Arnabat, Dr Simeon Dragov Kutnjak

news

48 Manufacturer News

about the publisher

47 | submissions
50 | imprint

Cover image courtesy by: Biolase Technology Inc.

Introducing iLase™

The next instrument for your tray.

Powerful. Affordable. **Beyond Portable.**



Actual Size

iLase™ gives Biolase the most complete family of dental laser solutions, to match the needs of you and your patients perfectly as you expand your laser applications:



iLase

The Personal Laser, for everyday soft-tissue procedures.



ezlase

The Total Diode Laser Solution, including whitening and pain relief.



waterlase MD TURBO

Best-of class soft and hard tissue laser for common and advanced restorative, periodontics, endodontics, cosmetic, surgical and pediatric procedures.

© 2010 | www.Biolase.com | Call Henry Schein Germany +49 0180 40 0044 or Biolase at +1 949 361 1200 | CE

An Exclusive Partner of HENRY SCHEIN® DENTAL

The Biolase Total Solution | Clinical R+D | Industry Leading Technology | Training + Certification | Practice Integration | Service + Support

BIOLASE®