

Cover image courtesy of LASERVISION  
[www.uvex-laservision.de](http://www.uvex-laservision.de)  
 Original Background:  
 © phyZick – stock.adobe.com



## editorial

- History** carved with laser 03  
 Dr Youssef Sedky

## research

- Effect** of duration of Er,Cr:YSGG laser etching on **dentine morphology** 06  
 Drs Farnaz Mahdisiar, Alireza Mirzaei, Alireza Fallah,  
 Saeedeh Akhoundan & Prof. Norbert Gutknecht
- The treatment approach **to caries** using the Er:YAG laser 10  
 Prof. Roly Kornblit

## case report

- Severe **peri-implantitis** treated with the Er,Cr:YSGG laser 14  
 Dr Theodoros Tachmatzidis, Dr Dimitris Strakas,  
 Dr Nikolaos Dabarakis & Ioanna Betsani
- Crown **lengthening** in the **aesthetic zone** 18  
 Dr Habib F. Zarifeh, DDS, MS, M.Sc.; Dr Nada El Osta, DDS, PhD;  
 Dr Dany Saleme, MS & Dr Sami El Toum, PhD

- Photoacoustic** cavitation effects in oral surgery 22  
 Dr Evgeniy Mironov

- The Dr Mir **laser-assisted** dental implant technique 28  
 Dr Maziar Mir & Prof. Norbert Gutknecht

## industry

- SSP/SWEEPS **endodontics** with the **SkyPulse** Er:YAG laser 32  
 Dr Tomaž Ivanušič
- Are you** a laser dentist? 37  
 Dr Dimitris Strakas

## practice management

- Successful **communication** in your **daily practice** 38  
 Dr Anna Maria Yiannikos

## news

- manufacturer news 40
- news 41

## about the publisher

- imprint 42

**Fotona**  
choose perfection

The universe at your fingertips.

# ● LightWalker

The highest technology dental laser system

**Supreme clinical results:**

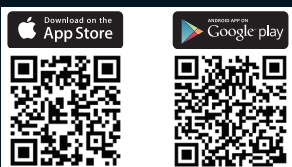
- TwinLight® Perio Treatments
- TwinLight® Endo Treatments
- No-sutures soft-tissue surgery
- Patient-friendly conservative dentistry
- Pre-sets for over 40 applications


**Unmatched simplicity of use:**

- Balanced and weightless OPTOflex® arm
- Nd:YAG handpiece detection system
- Quantum Square Pulse technology for fast minimally invasive treatments
- X-Runner™ - the first digitally controlled Er:YAG dental laser handpiece

Journey into a new dental experience with speed, precision and great results.

Visit [www.fotona.com](http://www.fotona.com) today!



 Fotona App

