

# laser

international magazine of laser dentistry



## Imprint

### Publisher

Torsten R. Oemus  
[oemus@oemus-media.de](mailto:oemus@oemus-media.de)

### CEO

Ingolf Döbbecke  
[doebbecke@oemus-media.de](mailto:doebbecke@oemus-media.de)

### Members of the Board

Jürgen Isbaner  
[isbaner@oemus-media.de](mailto:isbaner@oemus-media.de)

Lutz V. Hiller  
[hiller@oemus-media.de](mailto:hiller@oemus-media.de)

### Editor in Chief

Norbert Gutknecht  
[ngutknecht@ukaachen.de](mailto:ngutknecht@ukaachen.de)

### Coeditors in Chief

Adam Stabholz  
Matthias Frentzen

### Editorial Managers

Dimitris Strakas  
Leon Vanweersch

### Regional Editors

Georgi Tomov  
*Europe*

Marina Polonsky  
*North America*

Marcia Martins Marques  
*South America*

Youssef Sedky  
*Middle East & Africa*

Ambrose Chan  
*Asia & Pacific*

### Senior Editors

Aslihan Üsümez  
Josep Arnabat  
Kosmas Tolidis  
Andreas Braun  
Rene Franzen  
Lynn Powell

### Editorial Board

Peter Steen Hansen, Aisha Sultan, Ahmed A Hassan,  
Antonis Kallis, Dimitris Strakas, Kenneth Luk,  
Reza Fekrazad, Sharonit Sahar-Helft,  
Lajos Gaspar, Paolo Vescovi, Ilay Maden,  
Jaana Sippus, Hideaki Suda, Ki-Suk Kim,  
Miguel Martins, Aslihan Üsümez,  
Enrique Trevino, José Correia de Campos,  
Saleh Ghabban, Stephen Hsu, Antoni Espana Tost,  
Josep Arnabat, Alaa Sultan, Evgeniy Mironov,  
Ahmed Abdullah, Boris Gaspirc,  
Peter Fahlstedt, Alireza Fallah,  
Michel Vock, Anna Maria Yiannikos,  
Ryan Seto, Joyce Fong, Iris Brader,  
Masoud Mojahedi, Gerd Volland,  
Gabriele Schindler, Ralf Borchers,  
Stefan Grümer, Detlef Klotz, Jörg Meister,  
Rene Franzen, Andreas Braun, Siegfried Jänicke,  
Olaf Oberhofer, Thorsten Kleinert

### Editorial Office

Georg Isbaner  
[g.isbaner@oemus-media.de](mailto:g.isbaner@oemus-media.de)

Katharina Rühling  
[k.ruehling@oemus-media.de](mailto:k.ruehling@oemus-media.de)

### Product Manager

Timo Krause  
[t.krause@oemus-media.de](mailto:t.krause@oemus-media.de)

### Executive Producer

Gernot Meyer  
[meyer@oemus-media.de](mailto:meyer@oemus-media.de)

### Art Director

Alexander Jahn  
[a.jahn@oemus-media.de](mailto:a.jahn@oemus-media.de)

### Designer

Sandra Ehnert  
[s.ehnert@oemus-media.de](mailto:s.ehnert@oemus-media.de)

Theresa Weise

[t.weise@oemus-media.de](mailto:t.weise@oemus-media.de)

### Customer Service

Marius Mezger  
[m.mezger@oemus-media.de](mailto:m.mezger@oemus-media.de)

### Published by

OEMUS MEDIA AG  
Holbeinstraße 29  
04229 Leipzig, Germany  
Tel.: +49 341 48474-0  
Fax: +49 341 48474-290  
[kontakt@oemus-media.de](mailto:kontakt@oemus-media.de)

### Printed by

Silber Druck oHG  
Am Waldstrauch 1  
34266 Niestetal, Germany

*laser* international magazine of laser dentistry  
is published in cooperation with the World  
Federation for Laser Dentistry (WFLD).

### WFLD Headquarters

University of Aachen Medical Faculty  
Clinic of Conservative Dentistry  
Pauwelsstraße 30  
52074 Aachen, Germany  
Tel.: +49 241 808964  
Fax: +49 241 803389644  
[ngutknecht@ukaachen.de](mailto:ngutknecht@ukaachen.de)  
[www.wfld-org.info](http://www.wfld-org.info)

[www.laser-magazine.com](http://www.laser-magazine.com) • [www.oemus.com](http://www.oemus.com)



## Copyright Regulations

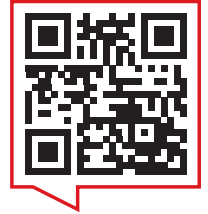
*laser* international magazine of laser dentistry is published by OEMUS MEDIA AG and will appear with one issue every quarter in 2018. The magazine and all articles and illustrations therein are protected by copyright. Any utilisation without the prior consent of editor and publisher is inadmissible and liable to prosecution. This applies in particular to duplicate copies, translations, microfilms, and storage and processing in electronic systems. Reproductions, including extracts, may only be made with the permission of the publisher. Given no statement to the contrary, any submissions to the editorial department are understood to be in agreement with a full or partial publishing of said submission. The editorial department reserves the right to check all submitted articles for formal errors and factual authority, and to make amendments if necessary. No responsibility shall be taken for unsolicited books and manuscripts. Articles bearing symbols other than that of the editorial department, or which are distinguished by the name of the author, represent the opinion of the aforementioned, and do not have to comply with the views of OEMUS MEDIA AG. Responsibility for such articles shall be borne by the author. Responsibility for advertisements and other specially labeled items shall not be borne by the editorial department. Likewise, no responsibility shall be assumed for information published about associations, companies and commercial markets. All cases of consequential liability arising from inaccurate or faulty representation are excluded. General terms and conditions apply, legal venue is Leipzig, Germany.

# SUBSCRIBE NOW!

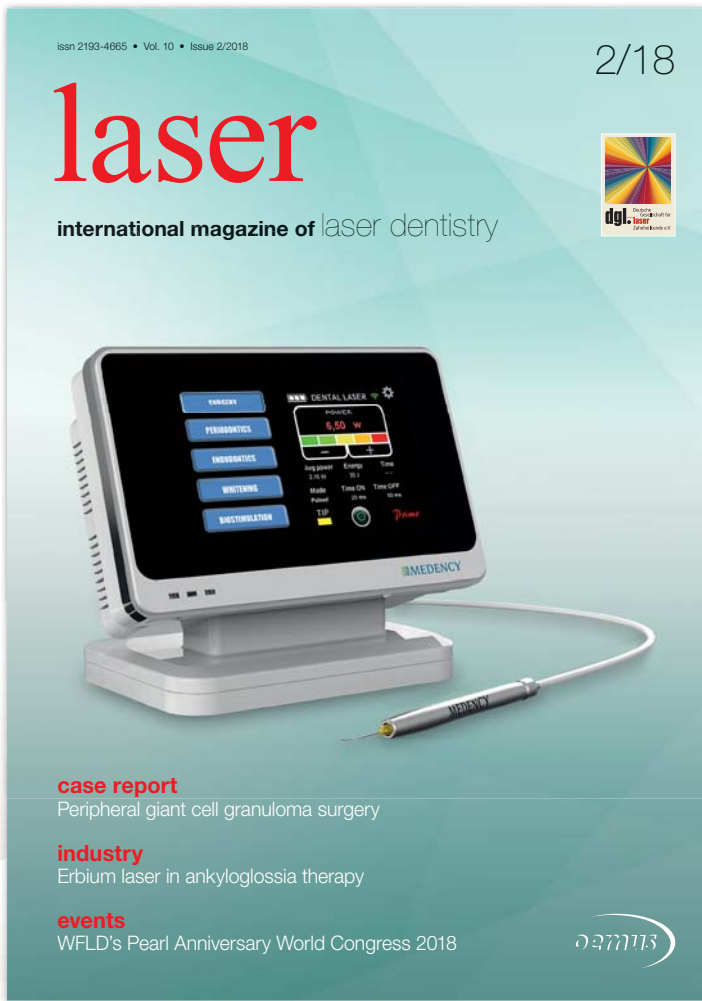
laser—international magazine of laser dentistry

Interdisciplinary, transparent & market orientated

ONLINE  
SUBSCRIPTION HERE



www.oemus-shop.de



## stay updated:

case report  
**Peripheral giant cell granuloma surgery**

industry  
**Erbium laser in ankyloglossia therapy**

events  
**WFLD's Pearl Anniversary World Congress 2018**



Fax: **+49 341 48474-290**

I would like to subscribe for the following journals:

- laser—international magazine of laser dentistry 4 issues p.a. € 44\*
- implants—international magazine of oral implantology 4 issues p.a. € 44\*
- ceramic implants—international magazine of ceramic implant technology 2 issues p.a. € 30\*

Terms & Conditions: The subscription may be cancelled in written form without due justification within 14 days of order by contacting OEMUS MEDIA AG, Holbeinstraße 29, 04229 Leipzig, Germany. Dispatching notification in good time will suffice. The subscription is automatically extended by another twelve months if it is not cancelled in written form 6 weeks prior to the end of the reference period.

\* All prices include VAT, shipping and handling (within Germany).

\_\_\_\_\_  
Last Name/First Name

\_\_\_\_\_  
Company

\_\_\_\_\_  
Street

\_\_\_\_\_  
ZIP/City/Country

\_\_\_\_\_  
E-Mail

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Credit Card Number

\_\_\_\_\_  
Expiration Date

\_\_\_\_\_  
Security Code