

Ultrakurzpuls-Lasertechnologie in der Zahnheilkunde

*Prof. Dr. med. dent. Matthias Frentzen, Priv.-Doz. Dr. med. dent. Andreas Braun, ZA Olivier Brede, Dr. med. dent. Claudia Dehn, Dr. Ing. Bernd Oehme, Prof. Dr. rer. nat. Christoph Bourauel, Dr. rer. nat. Susanne Reimann, Dipl.-Phys. Florian Schelle/Bonn**

Jahrbuch Laserzahnmedizin 2012

- 1. Frentzen M, Götz W, Ivanenko M, Afilal S, Werner M, Hering P:** Osteotomy with 80- μ s CO₂ laser pulses – histological results. *Lasers Med Sci* 18, 119-24 (2003).
- 2. Frentzen M, Koort HJ, Kermani O, Dardenne MU:** Bearbeitung von Zahnhartgeweben mit einem Excimer-Laser, eine in vitro-Studie. *Dtsch Zahnärztl Z* 44, 431-435 (1989).
- 3. Frentzen M, Winkelsträter C, van Benthem H, Koort HJ:** The effects of pulsed ultraviolet and infrared lasers on dental enamel. *Eur J Prosthodont Rest Dent* 4, 99-104 (1996).
- 4. Mülleijans R, Eyrich G, Raab WHM, Frentzen M:** Cavity preparation using a superpulsed 9.6 μ m CO₂ laser – A histological investigation. *Lasers Surg Med* 30, 331-336 (2002).
- 5. Navidy A, Brede O, Schelle F, Oehme B, Dehn C, Frentzen M, Braun A:** Ablation of restorative materials with an Ultra Short Pulse Laser System (USPL). Poster presentation. 12th World Congress of the World Federation of Laser Dentistry (WFLD). March 9th-12th 2010, Dubai (United Arab Emirates). *Lasers in medical science* (in press).
- 6. Niemz, MH:** *Laser-Tissue Interactions – Fundamentals and Applications*. Springer Berlin 1996.
- 7. Plötz C, Schelle F, Oehme B, Brede O, Dehn C, Braun A, Frentzen M:** Ablation of porcine bone tissue with an Ultra Short Pulse Laser System (USPL). Poster presentation. 12th World Congress of the World Federation of Laser Dentistry (WFLD). March 9th-12th 2010, Dubai (United Arab Emirates). *Lasers in medical science* (in press).
- 8. Polz S, Schelle F, Brede O, Dehn C, Oehme B, Braun A, Frentzen M:** Ablation of oral hard tissues with an Ultra Short Pulse Laser System (USPL). Poster presentation. 12th World Congress of the World Federation of Laser Dentistry (WFLD). March 9th-12th 2010, Dubai (United Arab Emirates). *Lasers in medical science* (in press).