# Manufacturer News

15th WFLD Congress 2016

## Light to brighten the future

The World Federation for Laser Dentistry (WFLD) is an organisation of academic societies with the agenda of promoting oral health by innovative developments in laser dentistry and dental care. It is comprised of 54 member countries worldwide. In addition to academic activities, the WFLD is also committed to educational activities in countries around the world. These include training and lectures, providing safe and appropriate directions for the use of dental lasers, as well as its international congress.

Every two years, the WFLD holds an international congress at a major city. In 2016, the 15th Congress of the WFLD will take place in Nagoya, Japan, hosted by honorary presidents Hajime Yamamoto and Isao Ishikawa as well as Kenjy Yoshida, Chair of Organising Committee. The congress theme is "Light to brighten the future", in an effort to move ahead from existing laser dentistry and dental care, and to look at new developments by incorporating "light" into all diagnosis and treatment. The congress programme includes: specialist lectures, symposiums, workshops, oral and poster sessions, seminars and an extensive dental exhibition. The 15th WFLD Congress will be held from 17 to 19 July 2016, bringing together laser specialists in engineering and medical fields, including dentistry, from countries around the world. It is hoped that the congress will also serve as an opportunity for further advancement of academic research activities and clinical improvement. In addition, it aims at heralding




the beginning of new development of medical devices and new expansion of the industry in Japan, providing an extensive platform for information on all aspects of the dental laser industry in its dental exhibition.

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FOTONA

## LightWalker with biomodulation

Fotona's award-winning LightWalker dental laser is widely recognised as a powerful system that enables an exceptionally broad range of dental procedures. And now with Fotona's new Genova handpiece, LightWalker also offers biomodulation capabilities, which can be an ideal complement to many surgical procedures.

The Genova handpiece was specially developed for Fotona's LightWalker laser system for inducing highly effective wound healing and pain reduction. The new handpiece creates a large spotsize with a unique collimated homogeneous beam profile of Nd:YAG laser light, which is the optimal infrared wavelength to penetrate homogeneously into soft tissue. The laser light is absorbed into the mitochondria and cell membranes of the target cells, leading to an increase in mitotic activity and number of fibroblasts, as well as collagen synthesis, neovascularisation and a decreased level of pain. The effect of the Nd:YAG wavelength on the healing of injuries and lesions through the stimulation of growth factors is substantially higher than with other wavelengths. The Genova treatment protocol is easy for any dentist to perform. It is clinically proven to stimulate wound healing in skin, mucosa and bone tissue, and also provides pain reduction and anti-inflammatory effects. And the new Genova handpiece, with its unique beam profile, treats affected areas with exceptional precision and control.




About Fotona: Founded in 1964, only four years after the invention of the very first laser, Fotona is one of the most experienced developers of high-technology laser systems, recognized for the design, manufacture, and support of advanced solid-state laser systems for: medicine (aesthetics, surgery, gynecology), dentistry, industry & defense. Fotona is fully committed to stringent testing of all components and in-house production of its medical and dental laser systems. This long-term dedication to perfection ensures that the company's laser systems are of the highest quality, reliability and durability.

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**Dear authors, thank you for your contributions in 2015.**

**Looking forward to working with you in 2016!**




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