LOW LEVEL LASER THERAPY IN DENTISTRY

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In recent years there has been increasing number of dentists using laser technology, either low or high-energy level lasers. There is no laser yet developed that totally replaces the conventional rotary instruments, but some routine work in dental practice can now be done with use of lasers This lecture will give a brief overview of dental disorders, where LLLT proved to be an efficient therapeutic procedure, whether applied as monotherapy or complementary treatment modality LLLT is mainly used for the treatment of soft tissues inside oral cavity, in order to relieve the pain or to induce wound healing, or as a diagnostic device for dental diseases like early detection of caries. Effects of LLLT are based upon biostimulative-regenerative effect, anti-inflammatory and analgesic effect

Here are some of pathological changes, which can successfully be treated with LLLT:
- Wounds after extractions
- Recovery after dental and periodontal surgical procedures
- Open and closed wound healing after minor and major oral surgery
- Lip wounds and combustions
- Abscess
- Scar tissue
- Alveolitis sicca
- Haemathoma
- Herpes labialis
- Aphtae
- Ragadae
- Mucositis
- Dentitio difficilis
- Damages of the mucosa due to the incorrectly sitting prosthesis
- Crown preparation
- Nerve lesions
- Acute and chronic disease of periodontal tissue
- Neuralgia n. trigemini
- Temporo
- Mandibular joint disorders
- Trismus

This lecture will bring you exact irradiation techniques and efficient energy densities, which are determined after many years spent in the clinical application of LLLT in dentistry.