



## What is laser biostimulation?

Treatment with laser radiation is a safe method of physical therapy that causes regenerative processes in tissues. The treatments are absolutely painless, which is why they can be used for both chronic and subacute and acute conditions.

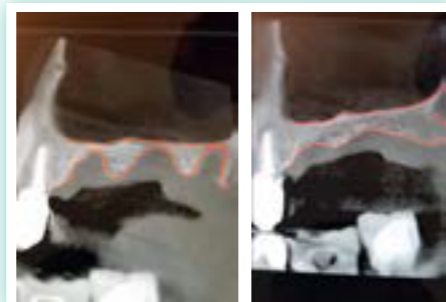
The laser biostimulation, called low-level laser therapy, uses devices that generate laser radiation in the visible and infrared range, whose power is in the range of 1 to 500 mW. In the case of biostimulation laser therapy (LLLT), the likelihood of side effects is very low.

During the treatment procedure, the tissue temperature increases by less than 0.5 degrees Celsius. Lasers generating radiation of 500-760 nm in length are used to irradiate tissues located shallow under the skin, while in deeper located diseases the tissue is irradiated with 800-950 nm of infrared radiation.

Treatment parameters are adapted to specific disease entities, and the effectiveness of treatments depends on their appropriate adjustment. Different radiation wavelengths and energy doses are used for various conditions. In laser biostimulation, neither too little nor too much energy will bring the desired results.

Among the treatment parameters affecting the course and results of treatment, it is also important to choose the appropriate pulse frequency.

Modern devices are often equipped with Treatment Encyclopedias. The devices can also be operated using individually set parameters in manual mode. The use of the Encyclopedia, in case of doubt about the selection of parameters, allows you to be sure that the treatment will be carried out with the highest possible efficiency.



## How does laser LaserThera biostimulation help patients?

LaserThera -Low-level laser therapy has an analgesic, antiedematous and anti-inflammatory effect. Laser biostimulation has been used for years in rheumatology and physical therapy. This method is especially recommended for hard-to-heal wounds, ulcers and in the treatment of pain. The effectiveness of treatments is confirmed by the tests. Among the types of therapy using a low-level laser you can find treatments called laserpuncture – a treatment involving the stimulation of biologically active points by means of laser beams.

Laserpuncture, performed thanks to a specially designed optical fiber, does not cause pain, complications or perforation of the skin and of other patient's

## The use of LaserThera: What diseases does it treat?

This safe method has a number of applications in physical therapy. Indications for the use of laser biostimulation are such diseases as:

- Degenerative joint changes
- Degenerative spine changes
- Neuralgia
- Subacute and chronic conditions of tissues
- Subacute and chronic conditions of joints
- Bedsores, ulcers, and hematomas
- Lateral epicondylitis
- Gout
- Carpal tunnel syndrome
- Muscle pain due to injury
- Calcaneal spur
- Fractures, sprains, dislocations
- Nerve paralysis
- Hard-to-heal wounds

Treatments using the beneficial properties of lasers are currently used, among others, dentistry, sports medicine and cosmetology.

[www.LaserTherapy.tv](http://www.LaserTherapy.tv)  
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