

### **The 3 reasons why irradiating the nasal cavity works greatly:**

1. There is a thin mucous with good permeability
2. Dense vascular network ensures easy absorption of laser radiation,
3. The parasympathetic and sympathetic nerves are present in large numbers

### **Why does the body's circulation improve with nasal treatment?**

Laser treatment increases the oxygen carrying capacity of the blood. Hemoglobin found in red blood cells carries oxygen in the blood. Due to unhealthy lifestyles (polluted environment, smoking, lack of exercise, stress, fatty foods etc.) the red blood cells become covered with excess cholesterol and lipids (fat) causing reduced oxygen uptake. This can lead to many diseases (heart attack, tumor formation, acidification, damage to organs) The 660nm laser light increases the activity of enzymes that break down blood-fat (cholesterol transferase, lipoprotienase) and which play an important role in dissolving the fat layer surrounding the red blood cells.

Red blood cells freed from the layer of fat will be able to efficiently uptake oxygen again thus improving the oxygen-carrying capacity of the blood, resulting in prevention and treatment of many diseases.

The laser therapy inhibits blood clotting as the red blood cells were freed from the fat layer, their negative charge resurfaces, thereby increasing the repulsive force between two cells. Originally congested cells are separated from each other, so a larger surface able to bind oxygen.

Changes in the red blood cells after a few minutes of laser treatment

Reasons for adhesion of red blood cells:

Stress, pollution, fatty protein-rich food, additives, too many free radicals, etc.

Benefits of termination of adhesion of red blood cells:

- Improvement in microcirculation,
- Oxygenation of cells and energy production therefore improves the functioning of all organs.
- Eliminating the harmful interconnections therefore helps in curing many diseases eg. stroke, myocardial infarction, hypertension.

The laser irradiation effects not only the degreasing enzymes, but also changes the molecular structure of other proteins of the blood, launching a series of biological processes. After applying Safe Laser light on the mucosal blood vessels constrict then dilate, resulting sympathetic and parasympathetic nerve stimulation.

This leads to the enhancement of cerebral blood flow which affects the whole body.

Laser treated nasal mucosa also prevail beneficial effect on remote areas eg.: the circulatory system.

In summary, the irradiation of nasal cavity with red light laser immediately improves the quality of blood, microcirculation, the brain's blood supply, blood oxygen content and increases the oxygen supply to organs and tissues.

Beyond that it improves the condition of the patient within a short period of time in occurrence of psychosis, headache, dizziness, limp paralysis and other problems that can be traced back to micro-circulation diseases.

The nasal cavity irradiation not only treats the symptoms, but in many cases plays a role in eliminating the major causes because its effect on the whole organism and stimulates the body's own healing ability.

By eliminating problems and symptoms the Safe Laser therapy improves the quality of life and prolongs your life.