



PREVITAL

ATHENS

HYPERTHERMIA

Whole body Hyperthermia

Hyperthermia Iratherm 1000

The implementation of hyperthermia takes place in Previt. The implementation is facilitated using two modern devices, Iratherm and Celsius. Iratherm is used in whole-body hyperthermia, whereas Celsius is used in local-regional hyperthermia.

Advantages of hyperthermia:

- ▶ Increases organ & tissue perfusion
- ▶ Accelerates the metabolism
- ▶ Activates the hormone system
- ▶ Activates the immune system
- ▶ Treats chronic inflammation
- ▶ Reduces muscle spasms
- ▶ Accelerates nerve fibers' conduction

Iratherm 1000

Whole body hyperthermia

Iratherm is a modern device of the latest technology used for the natural enhancement of various therapies in order to treat chronic diseases and conditions. Whole body hyperthermia uses infrared radiation, simulating sun radiation to warm the body.

It is indicated for use in the following cases except for various combination treatments:

- ▶ Immune enhancement
- ▶ Arthropathy
- ▶ Rheumatic conditions
- ▶ Bechterew's disease
- ▶ Systemic scleroderma
- ▶ Bronchial asthma
- ▶ Injury rehabilitation and recovery
- ▶ Detoxification
- ▶ Elimination of heavy metals
- ▶ Fibromyalgia Syndrome
- ▶ Chronic pain
- ▶ Blood pressure
- ▶ Depression





Iratherm in terms of application.

It actually involves the induction of artificial fever. We all know that fever is a reaction of the body in order to activate defense systems.

In the case of several diseases, our **immune system remains inactive**, allowing the development of diseases. More specifically, there are cases when **patients can not develop fever in a natural way**, due to the condition of their body.

Iratherm helps **awaken** the metabolism and the **immune system**.

As a therapy, it is also used for natural body rehabilitation, relaxation, orthopedic conditions and physiotherapy.

How it is applied

The patient lies on a specially designed bed under which there is an already installed heating device. The temperature that the body needs to develop gradually is set under the supervision of a doctor. When the desired temperature is achieved, it is maintained for a specific amount of time, in order to induce the beneficial effects of fever. As a result is awakens the immune system of our body, **eliminates toxins** and **automatically activates metabolism**. The results of artificial fever in combination with the other therapies create an advantage for the treatment of diseases and enhance their effectiveness.

What you should know

Hyperthermia must not be applied in the following cases:

Heart pacemaker, patients who have undergone bone marrow transplantation, previous dermatological lesions in the region, epilepsy, patients with temperature perception disturbances.







Local therapy

Hyperthermia Celsius 42

Local hyperthermia is a technique in which heat is applied to a specific area of the body. The use of local hyperthermia helps enhance the absorption of chemotherapeutic drugs in tumors, increases the sensitivity of tumors to radiation therapy and enhances the body's defense against cancer cells.

As a supplementary therapy, it benefits from the effectiveness of the therapies that the patient already undergoes in order to improve their quality of life.

Effects of local hyperthermia:

- ▶ Increased delivery of oxygen around the tumor
- ▶ Hyperacidosis of the cancer tissue,
- ▶ Tissue sensitization to chemotherapy and radiotherapy
- ▶ Decrease of cancer tissue tolerance to chemotherapy and radiotherapy
- ▶ Stimulation of the defense system

Local hyperthermia in terms of application:

Celsius is a modern device that has the potential to generate heat and deliver it to a certain part of the body.

The result of electromagnetic radiation may increase temperature in the area of the tumor.

Due to its accuracy, the application is appropriate for all the solid tumors and their metastases to various organs of the human body.

Solely as a supportive treatment for chemotherapy and radiation.

The potentials and benefits of local hyperthermia along with reliable information and doctors consultation, may be proved highly effective and accelerate rehabilitation, improving the patient's quality of life.





How it is applied

Celsius consists of a bed with a specially designed mattress, which is separated into squares, an arm where the head that generates the heat lies and a control unit, that controls the depth and the intensity of heat.

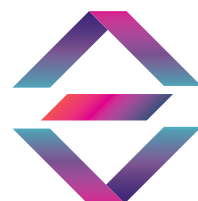
The patient lies on the bed revealing only the part of their body to be treated.

The system generates a bundle of electromagnetic energy at the intermediate part of the body where the problem is detected. After the bundle of energy is generated, it is directed towards that area with a predetermined intensity for a specific period.

What you should know

Hyperthermia must not be applied in the following cases:

Metal prostheses or implants in the area of the treatment, heart pacemaker, patients that have undergone bone marrow transplantation, previous dermatological lesions in the area, epilepsy, patients with temperature perception disturbances.





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