

## Hilotherapy and Hilotherm Products

Precision controlled thermal healing process - harmless to the body and faster healing of damaged tissue.

From medical theory to practical therapy - how Hilotherapy promotes the healing process whilst reducing pain using a technically simple but highly-effective method with no side effects.

*„Ice is history - Today there's Hilotherapy! “*

### The medical theory

HILOTHERAPY, as a solution, results from the knowledge gained by the medical profession regarding the healing processes of injured and/or traumatised tissue Hilotherapie.

### The therapeutic process

As a thermal healing process, Hilotherapy acts on the affected parts of the body through hypothermia and hyperthermia. The applied temperatures are set to the nearest degree in a range between +10 °C to +43 °C, depending on the medical indication. Medical studies underline the positive effect on the vascular function, the oxygen metabolism and the removal of pollutants.

### The results and the benefits of Hilotherapy

1. Faster healing
2. Eliminates haemorrhages
3. Reduces swelling
4. Relieves pain within a short time
5. Enhances patients' comfort
6. Reduces healthcare costs.

### Medical sectors /medical indications

- Traumatology /Orthopaedics
- Oral and maxillofacial surgery
- Ear, nose and throat therapy
- Plastic / aesthetic surgery
- Implantology
- Vascular and microsurgery
- Flap surgery
- Rheumatology
- Dermatology
- Sports medicine
- Critical care
- General postoperative healing and Physiotherapy
- Rehabilitative medicine.

### Beneficiaries of Hilotherapy:

- Patients
- Medical professionals
- Hospitals/Clinics
- Physiotherapists
- Sports clubs
- Rehab centers
- Insurances

## Therapeutic areas

The therapeutic areas are as follows:

- Local heat treatment
- Oedemas
- Haematomas
- Pain relief
- Strains
- Muscle strains
- Torn muscles, dislocations
- Tendonitis
- Inflammatory arthritis
- Sciatica
- Fever
- Migraines
- functional rehabilitation such as improvement in mobility and relief of muscle tension.

## An example of the quantified benefits of Hilotherapy based upon a detailed study

Procedure: a minimally invasive shoulder surgery. Quantified benefit: inpatient stay reduced saving up to 1.800 Euro. In addition there are the following unquantified benefits:

- Patient with almost no pain
- Patient with no swelling
- Less stress for day and night nurses
- Shorter inpatient stay in hospital
- Positive image for hospital for applying painless medical technology
- No preparation and storage needed for ice packs or similar cooling material
- Pain-less patient mobility at a much earlier stage
- Hilotherm device simple to use by the patient himself
- 2 cuffs can be attached at the same time which means 2 patients can be treated simultaneously (2 bed room in hospital)
- Significant reduction in use of analgesics

## Hilotherm Technology

There are two different types of devices developed for Hilotherapy:

- **Hilotherm Clinic** (two connections for cuffs) for professional use in hospitals and clinics
- **Hilotherm Home Care** (for use at home and in a practice)

Hilotherm technology is based on a closed-loop circulatory system where water flows through anatomically fitted cuffs applied to the specific part of the body requiring treatment. The temperature can be precisely controlled enabling selection of the temperature which is most effective. A wide range of cuffs for single or multiple use is available.

Hilotherm Technology is 100% natural, does not harm the tissue and is easy to use.

## Information

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