

**10 – 12 °C**

**HILOTHERAPY®**

**for the Prevention of  
Polyneuropathy (CIPN) and  
Hand-Foot Syndrome (HFS)**

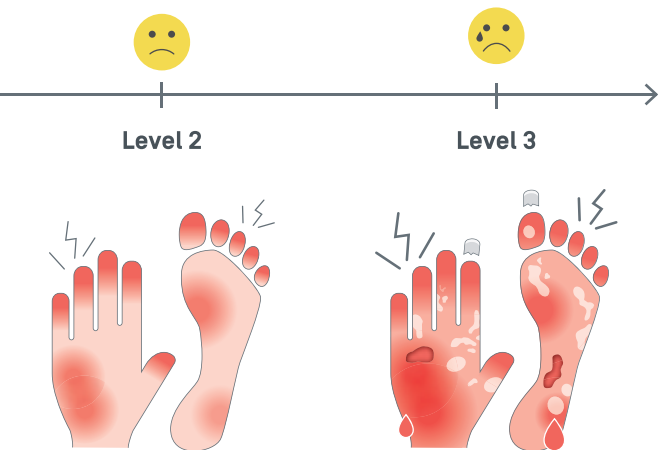


2020-01

The problem:  
Polyneuropathy [CIPN] and  
Hand-Foot Syndrome [HFS]

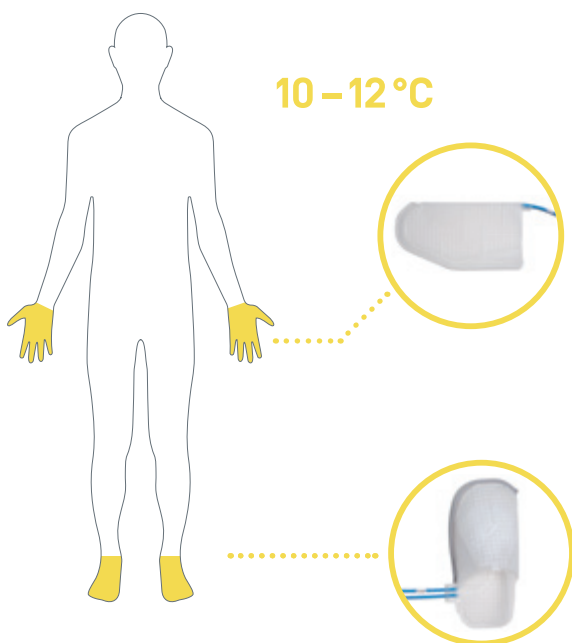


Polyneuropathy and the Hand-Foot Syndrome are two possible side effects of chemotherapy treatment. These conditions arise as chemotherapeutic agents penetrate the hands and feet through the capillaries and cause damage.



prickling sensation, moderate numbness	Numbness, restricted motor function
redness	Vesication, sclay skin, ecchymosis, ulcerations, onycholysis
painful	severe pain
Everyday life affected	Everyday life severely affected

## **The solution:** **HILOTHERAPY ChemoCare®** **as prophylaxis and therapy**



### **Reducing the tissue temperature**

To prevent chemotherapeutic agents from penetrating the capillaries of the hands and feet, both blood circulation and metabolism must be slowed down. For example dropping the temperature by 10 °C reduces the metabolic rate already by 50%.



## Practical Implementation

Using HILOTHERAPY®, the localized tissue temperature in the hands and feet can be configured to an individual value and kept constantly cool. Reducing metabolism and blood circulation to a constant level, limits the penetration of the chemotherapeutic agent and hence the amount which is discharged via the sweat glands.

## **Our pilot project** **proves the prophylactical** **efficacy of HILOTHERAPY®**


Our pilot project confirms: Without prophylactical HILOTHERAPY® only 7 % of the patients showed no symptoms of Polyneuropathy and the Hand-Foot Syndrome.

### **+ Minor symptoms**

Patients who used HILOTHERAPY® as a prophylaxis, from the start of their chemotherapy, did not develop any serious (level 0–1) symptoms.

### **+ Less symptoms**

Also the later start of the cooling is successful and can prevent or reduce further developments of severe symptoms.



**I am delighted to say that  
even the doctors are surprised  
how well I am doing .**

Patient Regina R.

### **+ Faster relief from symptoms**

4 weeks after their final chemotherapy session, 94% of patients who used a prophylactical HILOTherapy® were found to be entirely symptom-free.

### **+ Early Implementation**

The sooner HILOTherapy® is introduced to a patient undergoing chemotherapy treatment, the better. If used when chemotherapy begins, it can strongly reduce or prevent painful, life-changing level 2 and 3 symptoms.

## Our range of products:

HILOTHERAPY® – Temperature-controlled thermo healing

10 – 35 °C

HILOTHERM Clinic®

12 – 22 °C

HILOTHERM Professionell®

15 – 22 °C

HILOTHERM HomeCare®



15 – 22 °C

HILOTHERM HomeCare®



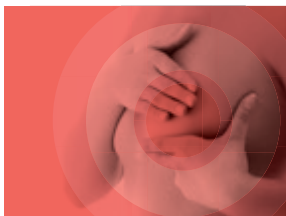
10 – 12 °C

HILOTHERM ChemoCare®



35 – 43 °C

HILOTHERM Calido®



## Is ice really a pain killer?

HILOTHERAPY®'s ability to maintain a constant temperature, gives it an essential advantage over conventional alternatives such as ice gloves etc ... These will thaw and lose their cooling effect, meaning they need to be changed throughout the treatment process. Patients who are exposed to these alternatives also risk developing skin burns, due to the extremely cold temperatures.

# HILOTHERM®

Hilotherm GmbH

Wittumweg 38 | D - 88260 Argenbühl-Eisenharz

Phone: 075 66 / 9 11 99 | Fax: 075 66 / 9 41 51 16

info@hilotherm.com | [www.hilotherm.com](http://www.hilotherm.com)