

HILOTHERM®

ChemoCare®

The effective cooling treatment.

**HILOTHERAPY®**

**Prevention of  
Polyneuropathy/Nerve Damage [CIPN]  
and Hand-Foot-Syndrome [HFS]**



HILOTHERM®

Status: 2022-05

The treatment for a better quality of life.

## The problem:

**A diagnosis of cancer followed by chemotherapy treatment, can be very worrying and upsetting.**

Chemotherapy is one of the most important therapeutic components in your cancer treatment. It can save lives - but unfortunately it also has undesirable side effects.

Complications that develop during chemotherapy and can persist for many years include chemotherapy-induced

- **Polyneuropathy/Nerve Damage (CIPN)**
- **Hand-Foot-Syndrome (HFS)**

### The danger:

In the case of severe CIPN symptoms, chemotherapy may have to be reduced, postponed or even discontinued altogether, if symptoms are severe.

CIPN is a long-term complication that can persist for many years - after the successful completion of oncologic therapy - it can negatively impact quality of life.

**Studies show:**

Without prevention, 50% of all oncology patients undergoing chemotherapy with neurotoxic agents develop severe CIPN/HFS complications.

**Cross your heart.  
We do not perform miracles  
but our treatment does ensure  
a better quality of live after  
neurotoxic chemotherapy.**



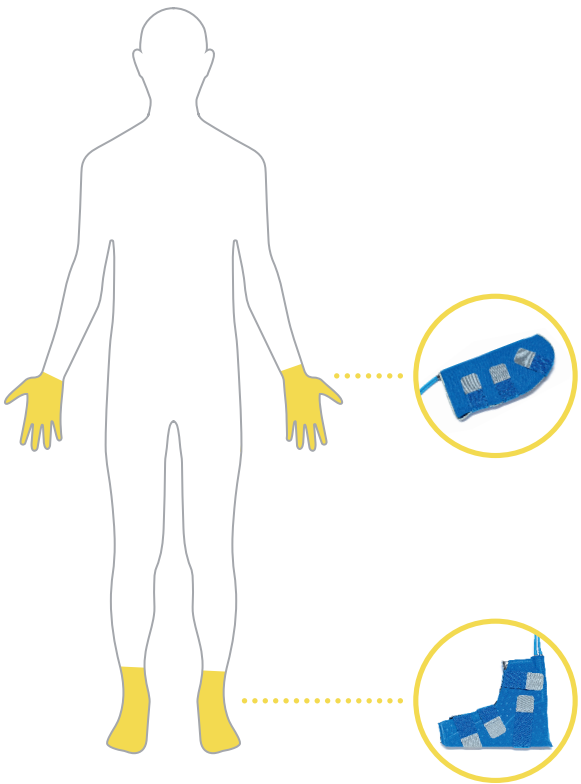


**The solution:**

**HILOTHERAPY®**

**The effective cooling treatment**

**For the prevention of Polyneuropathy/  
Nerve Damage [CIPN] and  
Hand-Foot-Syndrome [HFS].**





## Controlled cooling during chemotherapy

Hands and feet are cooled during each chemotherapy session using HILOTHERAPY®. Cooling causes vasoconstriction (constriction) of blood vessels in the hands and feet, locally reducing blood flow, slowing metabolism and lowering tissue/skin temperature.

### Advantages:

- + Less chemotherapy drug reaches nerve endings in the extremities.

As a result, nerves are not / or are less damaged.

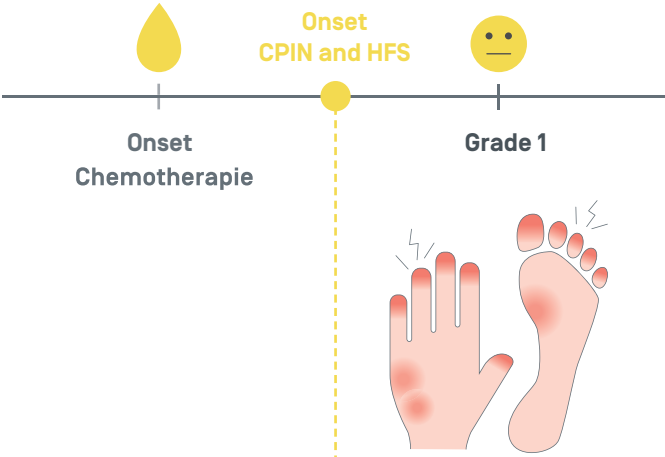
The HILOTHERM ChemoCare® device is equipped with special hand/foot cuffs and allows constant cooling of the extremities.

**Simple. Compatible.  
Highly effective.**



## The danger:

# Polyneuropathy [CIPN] and Hand-Foot-Syndrom [HFS]



<b>Polyneuropathy [CIPN]</b>	slight tingling
<b>Hand-Foot-Syndrom [HFS]</b>	slight redness
<b>Pain</b>	painless
<b>Everyday life</b>	Everyday life not affected

Chemotherapy drugs penetrate the capillaries [blood vessels] of the hands and feet, where they can damage the nerves [sometimes irreversibly].



**Grade 2**



**Grade 3**



tingling  
moderate  
numbness

pronounced numbness  
limited  
motor function

redness

blistering,  
skin scaling,  
skin bleeding,  
ulceration,  
detachment of nails

painful

very painful

Everyday life  
impaired

Everyday life very  
severely impaired

## Efficacy:

### Our data prove the prophylactic effectiveness of HILOTHERAPY®

Without prophylactic HILOTHERAPY® 90% of all patients inside develop symptoms of nerve damage and hand-foot syndrome – 50% of them severe.



#### + 93% Grade 0-1

Used as prophylaxis, 93% of patients remain pain-free and without limiting symptoms. They experience no impairment in everyday life.

#### + Fewer symptoms

Even starting controlled cooling later in treatment will have an effect. The progression of existing problems will be alleviated and the progression of severe symptoms is halted and it will prevent them getting worse.

#### + Faster symptom-free

Even 4-12 months after the last chemotherapy, 98% of patients inside with prophylactic HILOTHERAPY® show no impairment in everyday life.


**” ” I'm pleased to say  
that even my doctors  
are surprised at  
how well I am. “ “**

Patient Regina R.

## **The earlier the better**

The earlier you start therapy, the better. Grade 2- and 3-toxicities can be greatly reduced or avoided.

**Obviously, patients will try  
to do everything they can  
to reduce the side effects  
of chemotherapy.**



## The treatment for a better quality of life:

Cancer is often treated with a course of chemotherapy. The side effects of chemotherapy can be successfully alleviated thanks to HILOTHERAPY® - the effective cooling treatment.

**Simple. Tolerable. Highly effective.**

### Our data show:

- +** With HILOTHERAPY® 93% of patients do not suffer moderate to severe CIPN/HFS symptoms.
- Without HILOTHERAPY®, 50% of patients develop severe CIPN/HFS.

**HILOTHERM ChemoCare® CIPN**  
The effective cooling treatment.



**” ” I am an oral surgeon -  
loss of sensitivity in my fingers  
would have resulted in me  
not being able to practice  
my profession.  
Thanks to HILOTHERAPY®  
I have not developed  
any CIPN symptoms. ” ”**

Patient Hannelore Sch.



Also with HILOTHERM®

## HILOTHERM Chemo Care® CIA

The controlled scalp cooling  
to avoid/reduce the  
chemotherapy-induced  
alopecia/hair loss



**HILOTHERM®**

Hilotherm GmbH

Wittumweg 38 | D - 88260 Argenbühl-Eisenharz

Tel.: 0 75 66 / 9 11 99 | Fax: 0 75 66 / 9 41 51 16

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

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