

How exactly does HILOTHERAPY work?

As early as 30 minutes before the chemotherapy starts, you are presented with special cuffs for the hands and feet, through which water coolant flows, temperature-controlled to the nearest degree. Sensors ensure that the temperature is kept constant, which applies throughout the entire duration of chemotherapy and a further 30 minutes after the treatment.

Advantages of HILOTHERAPY

Localized cold application in those receiving chemotherapy leads to

1. A reduced blood flow in the hands and feet throughout the entire chemotherapy process
2. A clear reduction in the amount of chemotherapeutic agents reaching the extremities
3. Elimination of side effects affecting the hands and feet
4. Eliminating the need for related lengthy follow-up treatment
5. An enhanced quality of life

It's about your health!



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Information on
how to avoid
hand-foot syndrome

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What happens simultaneously during your chemotherapy?

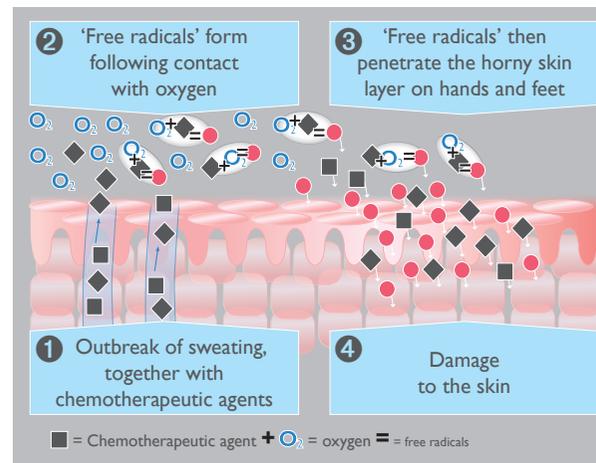
Your chemotherapy may lead to a complication known as hand-foot syndrome. However, the risk of such a complication developing can be mitigated using HILOTHERAPY, which we apply prophylactically alongside your chemotherapy. This special thermal method helps minimize the risk of any complications developing.

What is hand-foot syndrome?

The syndrome refers to side effects that may occur when certain types of chemotherapy are applied. It may involve tingling or numbness of the hands and feet and strongly painful and tender reddened areas or even extend to swellings, scaly skin, open wounds and the loss of fingernails or toenails. According to the World Health Organization, three degrees of severity are distinguished, the most intense of which give rise to considerable difficulties that can have a very significant impact on normal everyday life. In the worst case scenario, chemotherapy may have to be suspended or abandoned. We want to use HILOTHERAPY to minimize the risk of hand-foot syndrome occurring.

How does hand-foot syndrome develop?

During your chemotherapy, portions of the chemotherapeutic agent are conveyed via the sweat glands to the surface of the skin, where they form 'free radicals' in contact with oxygen. These damage the tissue cells of the skin, particularly where the horny layer of skin is thickest and the substance is soaked up like a sponge: at the palm and on the soles of the feet.



How does HILOTHERAPY prevent hand-foot syndrome?

To prevent the chemotherapeutic agent from penetrating the capillaries of extremities, both blood flow and metabolism have to be considerably slowed. This is done by lowering the tissue temperature. For example, lowering the temperature by 10°C already reduces the metabolic rate by 50%.



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