

Clinical study proves the benefit of Aloe Vera skin-care agents in compression stockings

März 2012

Clinical study proves the benefit of Aloe Vera skin-care agents in compression stockings

Patients with venous deficiency often suffer from dry skin. This is due to the skin no longer being supplied with sufficient blood and nutrients as a result of vein problems. At the same time compression stockings may put additional strain on the skin because of the medically required tight fit.

In fact, skin problems are the most common reason why patients discontinue compression therapy as shown in a study by the specialist for venous disease Professor Markus Stücker. This may be countered by compression stockings with integrated skin care. Memory Aloe Vera continuously supplies moisture to the skin and thus makes an important contribution to patients' compliance.

In a clinical study conducted under Dr Guido Bruning at the Tabea clinic in Hamburg a compression stocking from the Memory Aloe Vera skin-care range was compared with a normal compression stocking without skin care. The aim, inter alia, was to determine whether wearing comfort was significantly improved through the addition of skin-care agents. Test persons were examined before varicose vein surgery and 8 weeks following the operation. The examination had a double approach: the test persons could indicate on questionnaires how they assessed wearing comfort and the condition of their skin. In addition, skin moisture was measured objectively (equipment: skin Diagnostic SD 27, Courage & Khazaka Electronic GmbH).

The result was unambiguous. Dry skin and itching improved significantly as a result of additional skin-care agents so that test persons who wore Memory Aloe Vera rated overall wearing comfort higher. Their impression could be confirmed on the basis of the measured skin moisture. The latter increases in the Aloe Vera group between the two measuring points, while decreasing significantly in the control group. The effect can clearly be ascribed to the additional skin-care agents.

Infobox I

This is how the skin friendly compression stockings Memory Aloe Vera function

They are not only elegant compression stockings. They have special skin care directly integrated into the yarn. The combination of Aloe Vera extract and vitamin E provides the skin permanently with natural moisture while the stockings are worn. It counteracts drying skin and can prevent itching and scaling skin. Due to special processing the stocking dispenses skin-care agents in a controlled manner and can be washed at 40° C without the ingredients being lost. They are retained in the course of far more than 100 washings. It is not necessary to replenish the stockings with ingredients. Skin care is encapsulated in microcapsules (approx. 1000 microcapsules correspond to the size of a pin head) whereby the ingredients are dispensed through apertures on contact with the skin. The production of Aloe Vera extracts is guaranteed organic.

Clinical study proves the benefit of Aloe Vera skin-care agents in compression stockings

März 2012

Infobox II

A study on the acceptance of compression therapy by the Ruhr-Universität Bochum

Almost seventy per cent of all patients with venous deficiency do not persevere with their compression therapy, mainly because they constantly suffer from dry and itching skin on their legs. These are the findings of a study conducted by the expert on venous disease Prof. Dr Markus Stücker of the Centre for Venous Disease at the Ruhr-Universität Bochum. It was shown that two thirds of respondents discontinued therapy because they suffered from dry skin. About a third gave itching legs as a reason. Although compression therapy was judged to be helpful and basically accepted, it seems many patients felt disturbed by typical side effects.

Measured data for the diagram:

skin moisture	Aloe Vera group	control group normal compression stocking
before op	32.18	36.40
8 weeks following op	35.04	25.934

Representation of measured data

