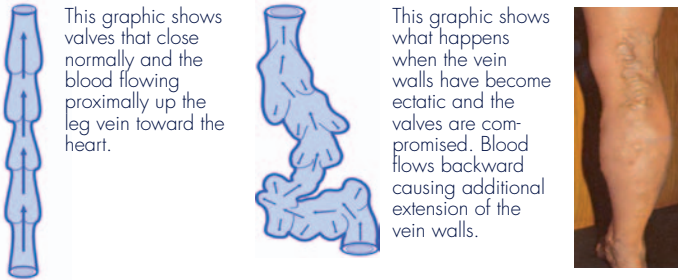


Flaps (also known as cusps) in the venous valves make sure that it does not flow back downwards and pool in the leg veins. If the venous valves do not close properly, the muscle pumps also no longer work properly. Faulty valves in the superficial veins are usually associated with varicose veins, while in the deep veins they are often the consequence of a thrombosis.



The resulting blood stasis causes increased pressure in the veins. Because of this, fluid and other components of the blood may leak out of the vascular system into the tissues. In this case, swelling (an oedema) occurs. The supply of sufficient oxygen and nutrients to the affected tissue is impaired.

As a result, the skin turns a brownish colour (1), tissue on the leg hardens and the leg swells up (2). A minor injury is enough to make a wound develop on skin which is already damaged in this way. This condition, which is very difficult to heal, is known as a varicose ulcer or leg ulcer (3).



Varicose ulcers are painful and can be colonised by bacteria. The open wound along with the pain and unpleasant smell it causes often have a negative impact on the patient's social life. Pain and inflammation lead to reduced mobility of the ankle joint. This aggravates the function of the veins even more and interferes with healing of the wound.

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SIGVARIS is the world market leader in the field of medical compression stockings, available in over 70 countries.

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SIGVARIS

LIFE FOR LEGS



ULCER X

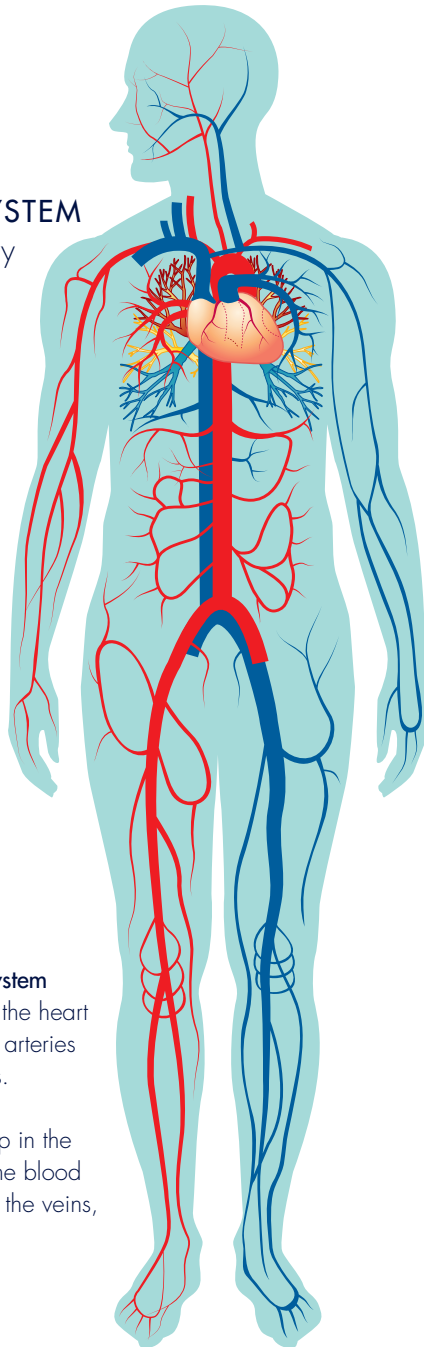
LEG ULCERS

A WOUND THAT TAKES LONG TIME TO HEAL



CIRCULATORY SYSTEM

The human circulatory system functions extremely well



The human circulatory system functions extremely well: the heart pumps blood through the arteries – right down into the toes.

The leg muscles (the pump in the calf muscles) must drive the blood back to the heart through the veins, working against gravity.

TREATMENT

Movement and compression
SIGVARIS® ULCER X

Measures for treating a leg ulcer

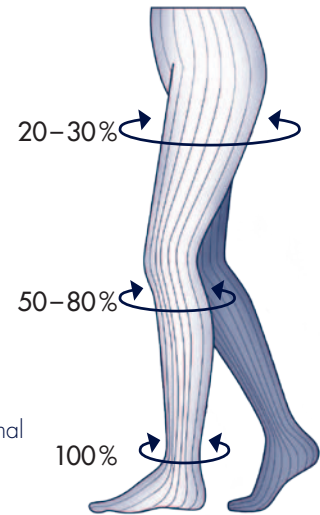
In order to heal the leg successfully, it is very important to move it (active exercises, physiotherapy) and to compress the defective veins from outside. Venous congestion can be reduced in this way, reducing pressure in the veins of the lower leg. If the wound is infected, medication such as, for example, antibiotics are often prescribed by a doctor. Cleaning the wound and the application of special compression bandaging are carried out by specialised personnel (doctors, nurses).

The ULCER X System

After initial treatment by a doctor or specialist, the patient may be advised to continue the treatment at home with the SIGVARIS ULCER X. ULCER X is ideal for self-management at home. After being taught how to apply the ULCER X, the patient can do it easily by himself. Unlike bandages that require special expertise to put on, ULCER X is simply putting on 2 stockings. It is discreet yet effective therefore it allows to continue the treatment everyday. The SIGVARIS ULCER X is a stocking system consisting of two components:



Stocking 1: The kit includes an understocking (2 pieces) which is worn both during the day and at night, providing permanent round-the-clock compression.



Stocking 2: The SIGVARIS Traditional stocking is only worn during the day. Thanks to the combination of the understocking at night and the Traditional stocking during the day, suitable pressure is applied constantly to the lower leg. This makes the wound heal considerably faster compared to conventional compression bandaging.

Some people have been suffering from leg ulcers for years. Even for these patients there are good healing prospects: about 90% of all venous ulcers of the lower leg can be made to heal by taking full advantage of all the therapeutic procedures now available.

SIGVARIS preventive treatment:

Once the ulcer has healed, the doctor prescribes medical compression stockings, e.g. SIGVARIS MAGIC, COTTON or COMFORT, for long-term preventive treatment. In order to prevent recurrence of a leg ulcer, the patient should wear compression stockings every day even after healing.

