

SURALIS reduces phantom pain.

For more joy in your life and a very special feeling: whether at work or in your leisure time: You experience your walking in a new way!

-9° \$.~ (1111)

With SURALIS you experience your prosthesis in a new way.

When walking, you recognise the ground with your prosthetic foot and can distinguish whether it is grass or gravel: more self-confidence, less fear of falling.



The add-on works with any prosthesis.

The system is ingeniously simple: sensor sock, transmitter and vibration pad for prosthesis wearers with transfemoral and transtibial amputations.

Video



saphenus.com



Scientifically sound. SURALIS.

International studies by leading researchers prove the effectiveness of sensory feedback in reducing phantom pain - the operating principle of SURALIS. The patented sensor sock records the rolling movement when walking. An intelligent silicone pad (or cuff) on the thigh transmits this information non-invasively to the body via vibration. You feel the gait pattern 1:1 on your residual limb while walking. After a familiarisation phase, this leads to a reorganisation (reprogramming) of your brain areas and thus works against phantom pain.

This project was funded by the European Union's HORIZON 2020 research and innovation programme under Grant Agreement No. 954604.

Users and experts



"After only a short time, I noticed that phantom pain, which strikes like electric shocks, becomes less. And in the following months, the quality of life has improved incredibly." Renate, user



"Many prosthesis wearers look down at the ground far too often when walking. The feeling leg prosthesis manages to walk more upright. Together with the reduction of phantom pain, this medical device revolutionises prosthetic treatment."

Klaus Gebetsroither, Orthopaedic technician



"The quality of life increases enormously. From the gait pattern alone. It's much more natural than before. It's normal walking." Stefan, user



"In the meantime, we have cared for numerous patients and we see quite clearly: with the SURALIS feeling prosthesis, feedback is transmitted from the sole of the foot to the brain, thus phantom pain is reduced and sensitivity is increased."

Alexander Gardetto, Medical Director Brixsana Private Clinic, Bressanone, Italy

DER SPIEGEL Ehe New york Eimes DIE WORLD NEWS Le Monde ALJAZEERA



