First results of an observation study in 80 leg ulcer patients with a new Two-Component-System (TCS)*


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Introduction
Compression is the key intervention in the management of venous and lymphatic disease. An innovative new short stretch compression system, Two-Component-System (TCS)* was developed to meet the individual requirements of the patient.

Material & Methods
A multicentric, international observation study (post marketing surveillance study, PMS) with a CE-certified Two-Component-System (TCS)* applied in its instructions of use to prove the usability (ergonomic aspects) in the daily routine as well as the user and patient satisfaction during the treatment with the new compression system. On 80 patients with non-infected leg ulcers or with edema the test system was used over 2 weeks. Additionally in one center the interface pressures were measured on B1-position with Picopress over 1 week.

Results
The Two-Component-System (TCS)* showed in the general assessment (slippage, rolling, loss of sensitivity, feeling of tightness, feeling of heat, itching, exudate in the bandage) very good results – mostly rated between nothing and moderate, with a total mean** of 0.4 = low to nothing. The evaluation of the technical assessment (easy to use, movement of the ankle sufficient, very thin and no problems for shoes, comfortable) was mostly assessed from excellent up to good, with a total mean** of 2.0 = very good. General feeling of well-being and well-being during night and day were mostly rated with very good up to good, normal social life conditions working ability, joy of life with excellent up to good and the technical assessment of the TCS* compression system (number of treated patients n = 80).

Conclusions
These first results demonstrate, the Two-Component-System (TCS)* is a very good tolerable, safe and comfortable bandage system with adequate therapeutic pressure for treating leg ulcers as well as edema. The observation study is ongoing.