# USE OF DENSE FOAM SCLEROTHERAPY IN VENOUS ULCERS: CASE REPORT


**Aim:** To report the use of dense foam sclerotherapy in the treatment of venous ulcers of the lower limbs. **Method:** This case report was made through review of medical records and photographs during treatment. The study was carried out with patient consent.

**Results / Discussion:** A 64-year-old obese woman presented with bilateral leg ulcers for around 30 years, notable for their circumferential nature, irregular edges, granulated base, and yellowish exudate. The left ulcer exhibited diffuse fibrin islands, a foul odor, poorly defined, slightly keratotic edges, and an edematous, dehydrated, fragile, and desquamative perilesional area. The smaller right ulcer displayed similar characteristics, including irregular edges, a granulated base, and excessive yellowish/greenish exudate. Despite home dressings, both ulcers persisted, showing keratotic features. A Doppler ultrasound demonstrated reflux and dilation of the saphenous veins. Sclerotherapy with dense polidocanol foam was administered, resulting in partial ulcer improvement. The procedure, involving the direct injection of dense foam into affected veins, successfully reduced pressure and enhanced blood flow in the ulcerated areas. This intervention significantly contributed to the ulcers' improvement, indicating a positive response to the treatment.

**Conclusion:** This case highlights the crucial role of sclerotherapy in healing venous ulcers. The procedure induces inflammation, causing damaged veins to close and redirect blood flow, known as sclerosis. This reduces pressure, improves circulation, accelerates healing, minimizes swelling, and promotes skin tissue regeneration, leading to positive outcomes for venous ulcers.


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