

# First Experience in the Treatment of Chronic Venous Ulcers with Topical Oxygen Therapy in an Out-Patient setting in Latvia

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## Aim

We want to share our first experience with Topical Oxygen\* (TO) in Latvia using a topical oxygen chamber using cycling pressure as an additional method in the treatment of venous ulcers

## Method

The patients were treated daily with TO therapy for 60 five times a week. Prior to each treatment, the patients wound dressings were removed and the wound bed was irrigated with a normal saline solution. The TO device delivered humidified medical grade oxygen at a cycling pressure between 5 and 50mbar. After each treatment patient received compression stockings of the 2nd functional class or short-stretch compression bandage. Weekly assessments of the wound as well as pictures were taken to document the wound area, volume and changes in each from the previous assessment.

## Results

We treated 8 patients in total. Four patients with chronic atrophic ulcers of venous aetiology completed treatment with a full ulcer epithelisation (number of treatments- from 13 to 21). Four additional patients with venous ulcers are still receiving treatment as not all patients started at the same time. These patients received 8 to 13 treatments so far and all show good progression of the wound.

### Patient 2:



14.10.09



02.11.09



12.11.09

## Conclusion

First experience of using TO is very positive. Patients with severe venous ulcers benefit from treatment with TO and show remarkable wound closure rates.

### Patient 1:



14.10.09



02.11.09



13.11.09

### Patient 3:



26.10.09



02.11.09



27.11.09

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