



Case: Venous leg ulcer

1. Description

Patient age	: 82
Gender	: Female
Indication PneuMasox	: Venous leg ulcer
Start date PneuMasox	: 16-01-2025
Set pressure	: 40 mmHg (right leg)
Other treatment	: - Alginate - Medial malleolus, cranial to the wound, a pad for extra pressure.

2. Evolution of oedema and ulcer

Due to venous leg ulcer, PneuMasox was started on the right leg on January 16, 2025. The aim was to reduce the oedema and promote wound healing. The set pressure of the PneuMasox was 40 mmHg. After four days, the pressure in the PneuMasox was adjusted to 30 mmHg due to pain. The PneuMasox was applied once a day and monitored by a healthcare professional.

The patient wore the PneuMasox throughout the day. Initially, a rapid reduction in oedema was observed, which continued as the treatment continued. The ulcer closed after three months of treatment. From that point on, the PneuMasox was discontinued, and the patient switched to therapeutic elastic stockings.

Table: reduction oedema and ulcer

Date	Circumference leg CB (ankle cm)	Circumference leg CC (calf cm)	Size ulcer (mm)
16-01-25	24.5	33.5	28 x 16
20-01-25	23	31.5	28 x 15
23-01-25	21.5	31.5	27 x 14
27-01-25	21.5	31.5	30 x 10
13-02-25	20	31	26 x 11
03-04-25	Not measured	Not measured	2 x 0.9
18-04-25	Not measured	Not measured	Closed



Start treatment PneuMasox 16 January 2025



Evolution ulcer 23 January 2025



End of treatment - ulcer closed 18 April 2025

3. Professional experience

- Using PneuMasox significantly reduced oedema and closed the ulcer.
- The healthcare professional needed less time to apply the PneuMasox than with traditional compression therapy.
- The PneuMasox was easy to apply. PneuMasox can also be reused (environmentally friendly).

4. Patient experience

- Is pleased with the reduction in oedema and ulcer.

Author: Student Physician Assistant Jacoline Sloothak – Wemer under the supervision of Dr. Laurens Barkema, Sneek, The Netherlands