

July 2019

Lympha Press® PCD-51™ study in chronic wound healing – preliminary results

A study is ongoing at Mt Sinai Hospital in New York City, to see the influence of Lympha Press PCD-51™ treatment on the healing of chronic venous stasis ulcers. Preliminary results (5 patients) were presented last month at the Symposium on Advanced Wound Care Spring Conference

(SAWC) in San Antonio, Texas. The SAWC is the major wound care conference in the USA, and Lympha Press® was represented there by our USA distributor, Patriot Medical Distributors.

The results show reduced wound size, edema and pain in all patients!

The Study

- Each study participant had one or more venous stasis ulcers of at least 2 months duration.
- Each patient was treated with multilayer bandaging up to the knee, and was instructed to use the PCD-51™ at least twice daily over the compression bandage, for 75 minutes each time, at 40 mmHg or more, according to tolerance.
- The researchers observed each patient for eight weeks to see the effect of treatment on the healing of the patients' venous leg ulcers.
- The measurements and other data were

The Study Protocol

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| 1 | 10 patients with chronic venous stasis ulcers (5 reporting in preliminary results) |
| 2 | Treated for eight weeks with multilayer bandaging up to the knee and PCD-51™ |
| 3 | Used PCD-51™ at least 2X each day, for 75 minutes each time, with pressure of at least 40 mmHg |

collected during home visits for bandage changes, and included measurement of ulcer size, pain level and wound-related changes such as odor and exudate, as well as leg circumference at the ankle, mid-calf, and upper calf.

Preliminary Results

Preliminary results on the first five patients.
There was an average decrease in wound size of 75%, with four patients having complete wound closure by the last visit.
The average circumference decreases were 2%

at the upper calf, 9% at mid-calf, and 8.5% at the ankle. (The circumference decreases varied in the 5 patients, with one patient achieving 16.7% decrease at the ankle.)

Most patients noted a decrease in wound

July 2019

exudate, odor and pain following prolonged use.

The researchers reported that initially it was difficult to get several of the patients to use the systems regularly, but after encouragement, they all were compliant with at least twice-daily treatments at 40 mmHg.

Results in the First Five Patients

1	Wound size decreased by an average of 75%
2	Four out of five patients had complete wound closure
3	Average decrease in leg circumference: • Upper calf: 2% • Mid-calf: 9% • Ankle: 8.5%
4	Decrease in pain, odor and exudate

Conclusions

The physicians who conducted the study were very impressed with the rapid healing for the chronic leg ulcer patients they encounter regularly.

These patients typically do not get enough walking activity, or are very obese, or have other diseases. They write that the action of

pneumatic compression replaces the action of the muscle pump in these patients who do not get enough walking exercise.

They conclude that the results show pneumatic compression can be a helpful addition to multilayer bandaging for patients with difficult to heal venous leg ulcers and edema.

The study is ongoing, and final results with 10 patients are scheduled to be reported in October 2019.



Please let us know what you think about the results!

**We appreciate your ideas
and thoughts for future studies**