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- Sheila MacLeod: "PLASOMA, against all odds, healed my wound and prevented amputation"
- Case study Sheila: non-healing surgical wound for 3 months heals after 6 treatments with PLASOMA

SHEILA MACLEOD: "PLASOMA, AGAINST ALL ODDS, HEALED MY WOUND AND PREVENTED AMPUTATION"

Patient Sheila MacLeod and Monique van Gerwen, wound and pressure ulcer consultant at Máxima MC Veldhoven talk about the poorly healing surgical wound after amputation of a toe. Amputation of the foot or lower leg was advised to prevent further infection. As a last resort, PLASOMA cold plasma was used. Successfully: the wound healed within 8 weeks.

Monique van Gerwen: "I saw with my own eyes that PLASOMA can deliver a success story."

How a small crack can turn into disaster...

"As a side effect of chemotherapy, I have quite bad neuropathy on the soles of my feet. I also take medicines that increase the risk of infections and that's why I don't heal easily. In July 2021 I got a tiny little scratch on the 2nd toe on my left foot. The skin was just a little bit broken, no blood. I started wearing sandals, because I thought it would reduce pressure and friction in this area. This was a big mistake. The sandals were new and made from hard leather. Within an hour the leather went through the skin. The wound wasn't healing. After 3 weeks I went to my GP, and unfortunately the seriousness of my condition was not recognized. The wound went from bad to worse. Eventually I came into contact with a vascular surgeon from Máxima MC Veldhoven. He amputated the toe mid-January 2022. Unfortunately, this surgical wound also did not close on its own. And I could use all the help there was to prevent the next stage which an infection would trigger: amputation of lower leg or foot."

"I knew PLASOMA was my last hope for a 'normal' life."

"I can't imagine the burden an amputation would put on my husband. It would be very difficult for him to help me if I am in a wheelchair. So I decided against amputation, only if it would save my life. The vascular surgeon decided to use PLASOMA. Monique started the treatment and after the second one I already saw improvement. In 8 weeks the wound was completely closed. I have my independence back, which is a miracle for me. With all I have gone through, with all the means, creams, wound treatments I've had for months, it's very special that PLASOMA had visible effect within 2-3 weeks. I am very impressed with the treatment."

Wound consultant Monique tries PLASOMA in a few case studies. She is positive about the results:

"I am very critical, also with new treatment methods. I saw with my own eyes that PLASOMA can deliver a success story. That will not be for everyone. Fortunately, the wound closed with Sheila, with only 6 PLASOMA cold plasma treatments. Another patient did not get what we hoped for, we could not save his leg. Based on two patients I cannot draw any far-reaching conclusions. In my opinion, PLASOMA can certainly be an additional tool to boost long-term wounds. Especially for difficult wounds it is nice that we have an extra tool. And it is good that scientifically substantiated evidence is being worked on through clinical studies with PLASOMA."



Read the interview with Sheila and Monique and find other patient stories on our website:



Foot ulcer: non-healing surgical wound for 3 months -
heals after 6 PLASOMA cold plasma treatments.

PATIENT INTRODUCTION, RECOVERY COURSE PRIOR TO PLASOMA

A 69-year-old female had a foot ulcer on her toe since July 2021. She has quite bad neuropathy on the soles of her feet and palms of her hand (peripheral neuropathy - a side effect of chemotherapy). She also receives medical help for Lupus (Systemic Lupus Erythematosus). The wound was caused by a tiny scratch and because of the underlying venous insufficiency became worse. She was seen by a vascular surgeon to measure the extent of her venous insufficiency. She later had an angioplasty to improve the blood flow to her legs. The stents in her pelvis helped, but the veins in her legs were too small to put stents in successfully.

In January 2022 her toe was amputated. The surgical wound after amputation struggled to heal. She went for hyperbaric oxygen therapy to try and heal the wound. In April 2022 she was advised to consider an amputation of the lower leg. She started PLASOMA treatment on 7 April with the hope that the wound would close.

RESULTS AND FREQUENCY PLASOMA COLD PLASMA TREATMENT

- PLASOMA cold plasma treatment: once a week. **6 Cold plasma treatments** in total.
- **Wound closed** in 8 weeks.



Wound at the start of PLASOMA treatment (April 7th).



Control photo closed wound taken after 8 weeks (June 2nd).



Result after 12 weeks (July 4th).

PATIENT CARE PLAN

- Cleanse wound with a saline solution. Do sharp debridement. Pat the wound bed dry before applying cold plasma.
- Apply PLASOMA cold plasma therapy according to the user instructions manual.
- Cover the wound with an alginate dressing.
- Dress the wound with a dressing.

CONCLUSION

The patient has underlying medical conditions that she has struggled with for many years. The reduced blood flow to her legs had an impact on the ability for the wound to heal. With the combination of specialist medical help, standard wound care and PLASOMA, the wound could heal.

Are you a wound care professional and would you like to learn about PLASOMA?
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