

Cold plasma: a new treatment for hard-to-heal wounds



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 953462.

Proud winner of the Accenture Innovation Award 2016, Health & Well-Being 

Our goal is to heal chronic wounds and help prevent amputations using cold plasma



Chronic wounds affect
140 million people worldwide



80% of amputations are caused
by diabetic foot ulcers. That's
one amputation **every 30 sec.**



Yearly costs woundcare:
1 wound on average **\$9100**
Yearly global costs: **\$200B.**

PLASMA



PAD



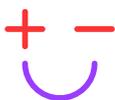
2 MINUTES



PULSER



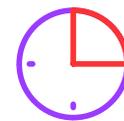
Underneath the cold plasma pad cold plasma is created in the wound. The pad is connected to the pulser that sends energy to the pad to create cold plasma.



Treatment is **safe**
and **well tolerated**



Low treatment costs



Treatment **fits**
in regular consult

WHAT IS COLD PLASMA

A cold plasma is created by adding electricity to a gas. Plasma exists in nature: lightning is plasma. With added energy a gas will ionize and form a cocktail of highly reactive species that react to their surroundings. For instance, it will kill bacteria, even antibiotic resistant ones. Cold plasma is called 'cold' because the temperature remains low. Plasmacure has developed a safe way to apply cold plasma directly in a wound.



Cold plasma **inactivates biofilm** and **kills bacteria**, even antibiotic resistant ones



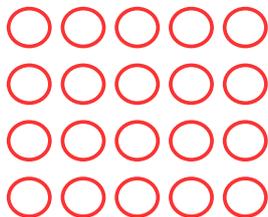
Cold plasma **stimulates cell proliferation**



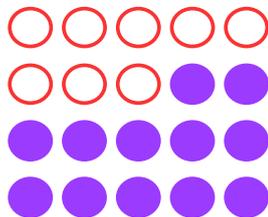
Cold plasma **improves microcirculation**

PROMISING RESULTS 20 CASE STUDIES: 60% OF CHRONIC WOUNDS CLOSED!

The first results on 20 hard-to-heal wounds are very promising: **60% of the wounds healed completely** within **7 weeks and 13 treatments** (average). These hard-to-heal wounds existed on average for 65 weeks. The first 20 wounds treated were, on average, 65 weeks old. Potentially, these figures will lead to approximately a **40% cost reduction** for healthcare and will **cut the workload** of the professionals involved **in halve**. Results of case studies can be found on: www.plasmacure.nl/case-studies and more data will follow.



65 weeks average wound age



7 weeks average PLASOMA treatment time

60% of cases healed completely

Average 13 treatments in 7 weeks

Bas Zeper CEO:

"For people with a non-healing wound the quality of life is severely reduced. Plasmacure wants to help all people to heal their chronic wounds. Preventing amputations with ground-breaking technology, who wouldn't want to contribute to that?"

We welcome you for an interview with our Chief Medical Officer and a demonstration at our premises. Please contact us: info@plasmacure.nl

Press kit: www.plasmacure.nl/en/press
Contact: Suzanne Donker Tel: +31681521626
Email: suzanne.donker@plasmacure.nl