

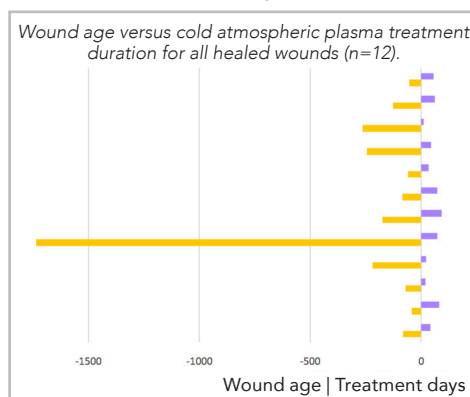
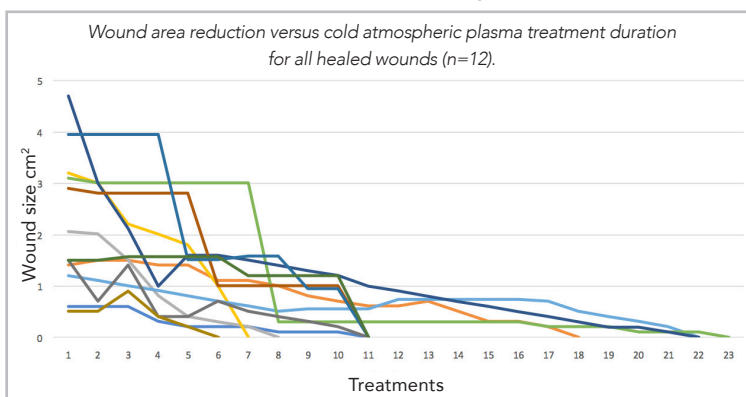
# Cold plasma: a new treatment for hard-to-heal wounds



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

## PROMISING RESULTS 20 CASE STUDIES: 60% OF HARD-TO-HEAL 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.



Source: Journal of Wound Care (Vol. 30, Issue 9)

### PLASMA



### PAD



### 2 MINUTES



### PULSER



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

### PLASOMA FEATURES & BENEFITS

- User-friendly single button operation
- Easy to apply in wound procedure
- Transportable system, plasma from ambient air
- Low treatment costs
- CE certified since July 2020

### PLASOMA IS UNIQUE - HEALING THROUGH:

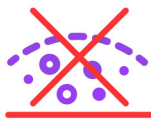
- Powerful cold plasma directly in the wound
- Closed system ensures full effect of the plasma
- 4 Cold plasma healing mechanisms in parallel
- Electrical current through wound area
- Electric field in the wound

## A NEW ADVANCED TREATMENT: COLD PLASMA, BENEFICIAL FOR WOUND HEALING

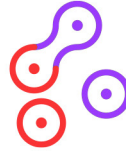
90% Of complex wounds contain **bacteria** and **fungi** living in a **biofilm**, which are the main cause for **infection related amputations**. By adding energy to air an active gas is created with disinfecting and healing properties. With added energy a gas will ionize and form a cocktail of highly reactive species that react to their surroundings. Cold plasma is called 'cold' because the temperature remains low.



Cold plasma **kills bacteria**, even antibiotic resistant ones



Cold plasma **inactivates biofilm**

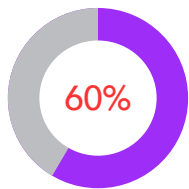


Cold plasma **stimulates cell proliferation**

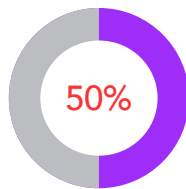


Cold plasma **improves microcirculation**

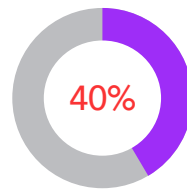
## BENEFITS FOR PATIENTS, HEALTHCARE AND PLANET



Chronic wounds **closed**



Workload reduction **help more patients**



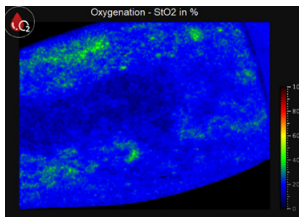
**Cost reduction** time & materials



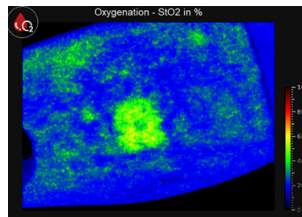
**Reduce waste** & ecological impact

## INCREASED BLOOD FLOW IMMEDIATELY AFTER TREATMENT, MORE THAN 90 MINUTES

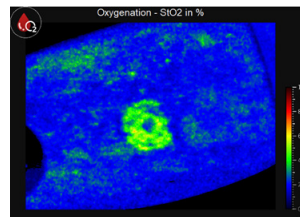
Blood flow indication by measuring oxygen saturation of the treated leg (healthy skin).



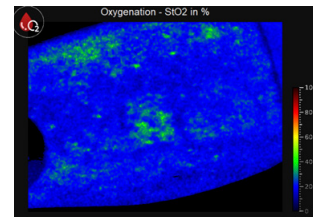
0 minutes after PLASOMA



15 minutes after PLASOMA



60 minutes after PLASOMA



95 minutes after PLASOMA

We welcome you for an interview with our Chief Medical Officer and a demonstration at our premises. Please contact us: [sales@plasmacure.nl](mailto:sales@plasmacure.nl)



Find the results of **various case studies** and a **report on 20 case studies** on [www.plasmacure.nl/case-studies](http://www.plasmacure.nl/case-studies)



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wound healing