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

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.

Underneath the electric 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.

www.plasmacure.nl
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 kills bacteria, even antibiotic resistant ones
Cold plasma stimulates cell proliferation
Cold plasma improves microcirculation

CLINICAL TRIAL DIABETIC FOOT ULCERS

The trial was conducted on 20 subjects. In 2 weeks 11 wounds (on average 3-years old) reduced by >50% in size, 2 healed completely. Also, the number of Staphylococcus aureus colonies decreased significantly directly after plasma treatment compared with prior to application.


Bas Zeper CEO:

“For people with a non-healing wound the quality of life is severely reduced. Plasmacure wants to help those people that have run out of options. 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

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