

Adtec SteriPlas Treatment of Hard to Heal wounds

Non-thermal atmospheric gas plasma has already been shown to decrease the bacterial load in chronic wound dermatological applications. In this study, a 68-year old patient at Regensburg hospital with very chronic ulcers on the lower right leg since 2011 was selected for plasma treatment. The patient had known microangiopathy and chronic thrombosis of the right vena femoralis superficialis (postthrombotic syndrome). He also has polycythemia vera and had been treated with hydroxyurea, but the ulcers had not healed.

Study Outline

Plasma-treatment started on the 15th of July 2015, twice weekly until January 2016.

Results

During plasma treatment, the ulcers continuously improved and are now almost healed (he received a total of 51 plasma treatments between 15.07.2015 until 07.01.2016). Professor Sigrid Karrer of Regensburg hospital reported that 'the patient had a very long history of non-healing, very painful ulcers with a history of wound infections requiring antibiotics. Thus, we are very satisfied by this result'.

