

Treatment of a Chronic Wound in a Patient with Takayasu's Arteritis with Topical Wound Oxygen (TWO₂) in an Out-Patient setting in Latvia

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Introduction

The Takayasu's arteritis is an inflammatory disease with an unknown cause. It affects the aorta, the main blood vessel from the heart, as well as the blood vessels that attach to it. Females are about 8-9 times more likely to get it than males. People usually get the disease between 15 and 30 years of age. We report a case of Takayasu's arteritis in a 26 year old male patient who has already lost his right leg due to amputation. He has received an A. abdominalis prosthetic as well as PTCA in 2003 due to myocardial infarction. The patient suffers from Hepatitis C as well as TBC since 2005. The wound on his left foot was heavily infected and MRSA positive.

Method

The patient was treated daily with TWO₂ therapy for 60 five times a week. Prior to each treatment, the patients wound dressings were removed and the wound bed was irrigated with a normal saline solution. The TWO₂ device delivered humidified medical grade oxygen at a cycling pressure between 5 and 50mbar. After each treatment patient received an advanced wound care dressing. Weekly assessments of the wound as well as pictures were taken to document the wound area, volume and changes in each from the previous assessment.

Results

The patient received 12 treatments of TWO₂ in total. Ulcer dimension has decreased significantly to about 25% of the original wound size, the infections is stopped and the and ulcer has granulated nicely. Due to his multiple diseases that patient was no longer able to visit our center in the winter and had to stop treatment.

Conclusion

The speed of healing with TWO₂ in this seldom arteritis was remarkable. Patients would benefit tremendously if a solution for home care would be available.

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09.11.2009



20.11.2009



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