

Revisiting A Novel Therapy In Wound Management

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Case 1a	Case 1b	Case 2a	Case 2b	Case 3
<p>58 years old Female 25 years old wound Venous Ulcer</p>  <p>5.5.16 17.5.16 (372 days)</p>	<p>58 years old Female 25 years old wound Venous Ulcer</p>  <p>5.5.16 17.5.16 (372 days)</p>	<p>50 years old female 2.5 months old wound Diabetic Foot Ulcer</p>  <p>14.7.16 17.10.16 (95 days)</p> <p><i>Last Pic as patient was diagnosed with cancer of cervix. Patient Passed away.</i></p>	<p>50 years old female 2.5 months old wound Diabetic Foot Ulcer</p>  <p>14.7.16 17.10.16 (95 days)</p> <p><i>Last Pic as patient was diagnosed with cancer of cervix. Patient Passed away.</i></p>	<p>72 years old female 2 months old wound Diabetic Foot Ulcer</p>  <p>Before After 89 days</p>
Case 4	Case 5	Case 6a	Case 6b	Case 7
<p>60 years old male 2.5 years old wound Venous Ulcer</p>  <p>Before After 115 days After 183 days</p>	<p>59 Years Old Female 15 years old wound Diabetic Foot Ulcer</p>  <p>Before After 91 days</p>	<p>45 years old male 1 month old wound Diabetic Foot Ulcer</p>  <p>13.4.17 After 70 days</p>	<p>45 years old male 1 month old wound Diabetic Foot Ulcer</p>  <p>Before After 70 days</p>	<p>55 years old male 4.5 months old wound Wound Dehiscence</p>  <p>Before After 151 days</p>

Introduction

Antibiotic resistance has been increasing tremendously in the past decade. Various multi drug resistant organisms are being isolated and this has posed a huge problem in the management of chronic complex wounds. Biofilm also plays a big role in preventing wound closure. New types of advanced dressings are required to manage the bioburden. Therefore, dressings with compounds which have no resistance is the best to deal with this phenomenon of drug resistance organisms. In addition, synergistic compounds with different methods of action work better. In this case series, a new novel therapy with compounds such as gentian violet, methylene blue, silver and surfactant which was impregnated into a foam was utilized.

Methodology

A total of 7 patients with 10 wounds were chosen by convenience sampling constituting a case series. There were 3 venous ulcers and 3 diabetic foot ulcers and 1 case of wound dehiscence. All the cases were infected with reference to the Principles of Best Practice (WUWHS) on Infection. The Triangle of Wound Assessment was used to assess the wounds. The wounds were cleansed with distilled water and then debrided at the Wound Clinic and the Retro Tech Dressing (RTD) was applied every 48 to 72 hours.

Result

All the wounds showed remarkable wound closure in terms of size. Infection was arrested and the most convincing was

the healing of a 25 year old venous ulcer which was referred to us from another specialist clinic as it has stagnated and worsened during the course.

Conclusion

In conclusion, the methylene blue, gentian violet and the silver in the Retro Tec Dressing managed the infection in the wound bed. In addition, the moisture was managed with the foam which was impregnated with the above compounds. The surfactant also helped in reducing the surface tension of the wound. All the compounds worked synergistically to help close the wound. Therefore, it is a good dressing to be added in our armament.

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