

First Experience Using A Multi-Function Product (MFP)* in the treatment of patients with chronic wounds with evidence of infection

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Aim: To evaluate the efficacy of a Multi-Function Product (MFP) in the treatment of 9 patients with chronic wounds with evidence of infection.

Method: Of the 9 patients included in the evaluation, 6 patients were diagnosed with venous leg ulcer and 3 with a mixed arterial venous ulceration. All of the patients' ulcers showed signs of localised clinical infection such as purulent exudate, pain, which required use of a topical antimicrobial. All patients had wounds with odour, localised infection and heavy exudate. The MFP was applied twice weekly along with their standard compression. The patients were assessed weekly using clinical measurements of wounds, including length and width, along with pain severity scores, wound exudate and odour. Photographs were taken at regular intervals and verbal feedbacks from the patients were reported. Weekly clinical assessments were performed including area measurements, pain, level of exudate

- Male 76 years old
- 10year history of recurrent venous ulceration.
- Area 7.3 cm²
- Recurrent infections
- Long standing odour wound
- **Week 4**
- Reduction in exudate odour and size
- No infection present



- Male 80 years old
- 10 year history of venous ulceration
- Area 4.25 cm²
- Recurrent infections
- Moderate exudate
- No granulation tissue present
- **Week 4**
- Reduction in exudate
- Increase in granulation tissue



- Male 58 year old
- Recurrent venous ulceration over a 15 year period
- Area 14.4 cm²
- Recurrent infections
- Long standing odour
- Heavy exudate
- **Week 4**
- Wound almost healed



- Male 77 years old
- 4 year history of venous ulceration
- Area 37.7 cm²
- Recurrent infections
- Heavy exudate
- Odour present
- **Week 4**
- Exudate decreased
- Odour eliminated
- Decrease in signs of infection



Results: Patients were followed for approximately 30 days or until it was no longer necessary to use an anti-microbial. All patients showed a reduction in the appearance of infection including the level of exudate. The MFP eliminated odour for all 4 patients. No patients experienced pain on application of the MFP, and there was no residue left in the wound bed when the dressing and bandage were renewed. All patients' wounds showed an increase in the percentage of granulation tissue.

Discussion: Initial experiences were positive, the MFP containing silver sulphadiazine 1% appeared to be effective at reducing infection in the wound bed. It was easy to apply and did not appear to cause any complications to the surrounding skin. Although experience is limited results suggest further clinical work would be valuable. The MFP appeared to be very effective at eliminating odour after 1 or 2 applications.
*Plurogel PSSD is the multi-function product containing silver sulphadiazine 1%