Zetuvit® Plus Silicone

Evaluation of a superabsorbent wound dressing, patient and clinician perspective: a case series

Source: **The Zetuvit® Plus Silicone** Open Labeled Non-Comparative Study was published in the **Journal of Wound Care vol. 29, no. 3, March 2020**

Introduction

Acute and chronic wounds present a variety of clinical challenges that must be overcome for successful healing.

Wound exudate control

- Excessive wound exudate must be rigorously managed to prevent adverse affects.

Undisturbed wound healing

- Exudate leakage through or around a wound dressing can have a negative impact upon the patient and the healing process.
- Wounds consist of tissues that can be damaged by external influences related to dressing removal.

SAP dressings with silicone

- The inclusion of a silicone adhesive layer allows for painless and atraumatic removal of the dressing.
- Increases comfort for the patient during wear time and dressing removal, increasing the patients quality of life.

Aims

Primary objectives

The primary objective of this study was to evaluate the fluid management capabilities of the Zetuvit® Plus Silicone dressing.

Secondary objectives

The secondary objective was to assess parameters that support whether the dressing enables undisturbed healing.

Methods

- Zetuvit® Plus Silicone is indicated for the treatment of moderate to highly exuding acute and chronic wounds.
- 50 patients with moderately to highly exuding wounds initially began this open labeled non-comparative study.
- 49 patients were finally assessed.
- Clinical evaluation was conducted using a formal Case Study Evaluation Form.
- Qualitative and quantitative evaluations were undertaken according to the primary and secondary objectives.
- There was an initially proposed patient evaluation period of up to to 2 weeks (or a minimum of four dressing changes, where possible).

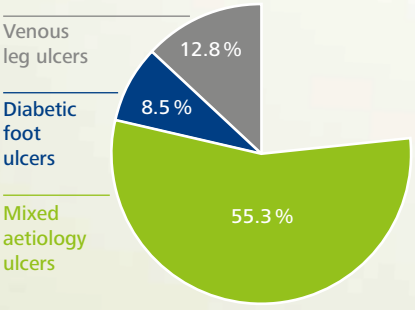


Figure 1: Predominant wound type

Results

Epidemiological information

- 38.3 % of wounds had been present for between 7 and 52 weeks and 36.2 % of wounds had been present for more than 1 year.
- Prior to inclusion in this study, superabsorbent dressings were the predominant class of dressings used by participants (36 %), followed by antimicrobial wound dressings (30 %) and then foams (20 %).

Exudate management

- Zetuvit® Plus Silicone was able to absorb all levels of exudate assessed across the range (low to high), of varying viscosities and types.
- The results show that in 98 % of assessments, Zetuvit® Plus Silicone was rated as "very good" (91 %) or "good" (7 %) at exudate management and the dressing's fluid management capabilities were rated overall as excellent (100 % of cases).
- Maceration was significantly reduced by 37.8 % in 14 days.

Undisturbed wound healing

- Over the course of the evaluation period, periwound skin showed a 33 % improvement in exudate management related skin conditions.
- 100 % of clinicians agreed that the dressing maintained an environment of undisturbed wound healing.

Patient quality of life

- The silicone adhesive layer allowed painless and atraumatic removal of the dressing and supported undisturbed wound healing.
- The patients' experience was enhanced in that there was little pain associated with the wound or at dressing change throughout the study.

Figure 2: Questionnaire responses

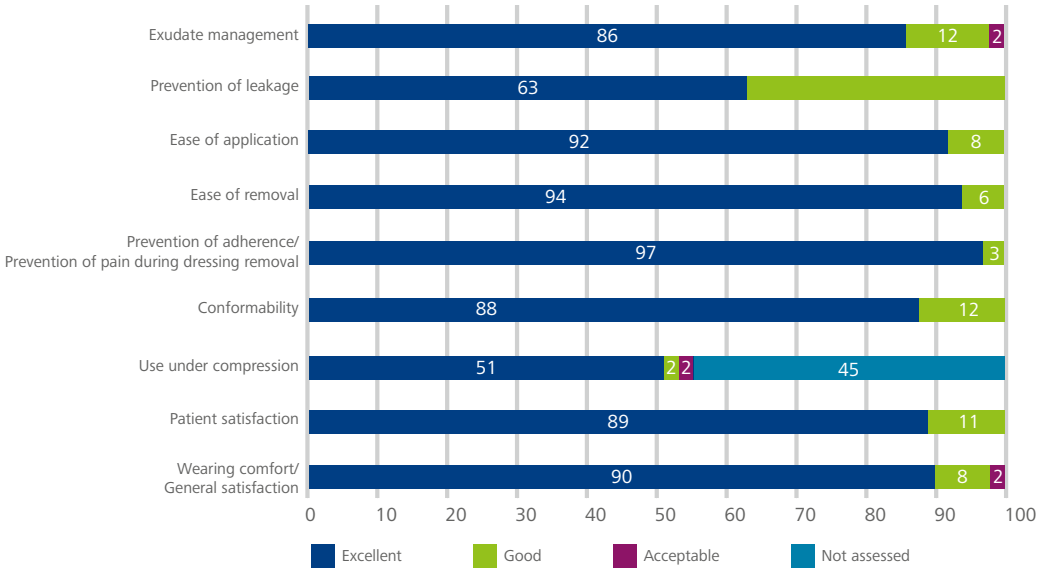
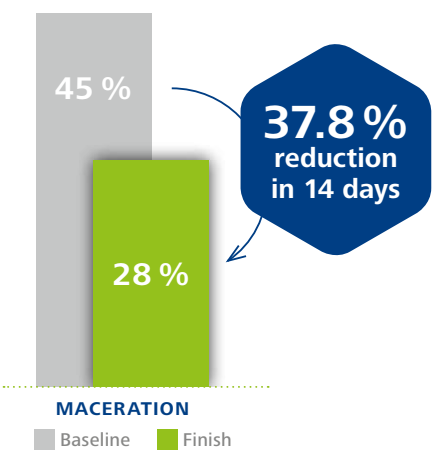


Figure 3: 45 % Maceration (baseline) was reduced to 28 % (finish)



Conclusion

- Zetuvit® Plus Silicone achieved the primary objective regarding wound exudate management, underlining its excellent fluid handling capabilities.
- The silicone interface allowed undisturbed healing, with little or no adherence of the dressing to underlying tissue, preventing damage to periwound skin.
- Conformability and low pain associated with the wound or at dressing change highlighted greater comfort and patient satisfaction during wear time.
- With the addition of the silicone interface, Zetuvit® Plus Silicone offers significant advantages over previously used dressings and other SAP dressings.

Product	Size/Wound Pad	Product Code	PIP Code	NHSSC Code	Pack Size
Zetuvit® Plus Silicone	8 × 8 cm / 6 × 6 cm	413810	4065074	EKH85003	10
	12.5 × 12.5 cm / 10.5 × 10.5 cm	413820	4065082	EKH85007	10
	10 × 20 cm / 8 × 18 cm	413830	4065090	EKH85006	10
	20 × 20 cm / 18 × 18 cm	413840	4065108	EKH85004	10
	20 × 25 cm / 18 × 23 cm	413850	4065116	EKH85005	10
Zetuvit® Plus Silicone Border	10 × 10 cm / 5 × 5 cm	413910	4137071	EJA254	10
	12.5 × 12.5 cm / 7 × 7 cm	413920	4137055	EJA255	10
	17.5 × 17.5 cm / 11.5 × 11.5 cm	413930	4137063	EJA256	10
	15 × 25 cm / 9 × 19 cm	413940	4137048	EJA257	10
	20 × 25 cm / 14 × 19 cm	413950	4137030	EJA258	10

Reference:
Atkin, L. et al. (2020). Evaluation of a superabsorbent wound dressing, patient and clinician perspective: a case series Journal of Wound Care vol. 29, no. 3, March 2020

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