



Clinical outcomes in managing highly exuding venous leg ulcers (VLUs) across care settings.

Review the evidence of two case studies series using 3M™ Kerramax Care™ Super-Absorbent Dressings and 3M™ Coban™ 2 Two-Layer Compression System for the treatment of highly exuding venous leg ulcers in the community and in a hospital setting.

Evidence from an **in-patient** hospital care setting.

Study overview

Method

Patients with highly exuding VLU and a history of compression and super-absorbent dressing care were recruited from 3 different wound clinic sites.

All patients received treatment with 3M™ Coban™ 2 Two-Layer Compression System and 3M™ Kerramax Care™ Super-Absorbent Dressings, and were assessed over a minimum of 3 weeks.

Objectives

To determine clinical outcomes, patient-reported outcomes, and clinician preference for this treatment approach in highly exuding VLUs.

Setting

Hospital in-patient wound clinics in the UK.

Patients

12 elderly patients with non-healing, highly exuding VLUs (mean wound age: 10 months; baseline average 2.6 dressing changes per week).

Key:

SOC-SAD - Standard of Care Superabsorbent Dressing

KC-SAD - 3M™ Kerramax Care™ Super-Absorbent Dressings

C2LC - 3M™ Coban™ 2 Two-Layer Compression System

Key findings

Reduced visit frequency

- Dressing changes decreased from 2-3 times per week (standard care) to once per week.

Clinical outcomes

- 25% of VLUs healed within 2-4 weeks.
- All patients showed reduced leg oedema (mean ankle circumference reduced from 29.4 cm to 25.1 cm in 2 weeks).
- No strikethrough of exudate; dressings stayed in place until next appointment.

Patient experience

- All patients preferred the C2LC system.
- 83% reported reduced pain, less leg heat and sweat.
- 75% noted reduced swelling, wet sensation, and itching.
- 67% experienced improvement in heavy leg symptoms.
- 63% found compression stayed in place.
- 58% reported improved comfort.
- Quality of life improved: less pain, discomfort, and isolation.

Clinician feedback

- All clinicians preferred C2LC for ease of application and patient acceptance.

Clinical background

Care-Status:

Patient: 80-year-old female

Issues: Chronic VLU, venous eczema, recurrent falls; Unable to continue with current compression therapy due to bandage cutting into skin, and bleeding strike-through bandages

| Baseline | After 2 weeks of C2LC + KC-SAD | After 3 weeks of C2LC + KC-SAD | After 4 weeks of C2LC + KC-SAD Left leg | After 4 weeks of C2LC + KC-SAD Right leg | Condition at discharge after 4 weeks of C2LC+KC-SAD |
|---|---|---|---|--|--|
|  |  |  |  |  | <ul style="list-style-type: none"> • The wound was almost closed with no signs of wound maceration. • Improved oedema • Patient requested to be discharged with Coban 2 Compression System as the preferred choice. |

Conclusion

The combination of Coban 2 Compression System and Kerramax Care Super-Absorbent Dressings provided effective management for highly exuding VLUs in hospital in-patients.

Patients benefited from:

- Few dressing changes
- Improved comfort

Clinicians noted:

- Ease of use
- High patient acceptance



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Evidence from an **out-of-hospital** care setting.

Study overview

A small-scale evaluation compared 3M™ Kerramax Care™ Super-Absorbent Dressings (KC-SAD) with Standard of Care Superabsorbent Dressing (SOC-SAD), both used alongside 3M™ Coban™ 2 Two-Layer Compression System (C2LC) in patients with highly exuding VLUs.

Method

2 weeks SOC-SAD + C2LC → 4 weeks KC-SAD + C2LC

Objectives

Assess clinical and patient-reported outcomes and estimate cost-of-care impact for KC-SAD compared to SOC-SAD

Setting

Out-of-hospital care, Scotland

Patients

10 with highly exuding VLU from previous care with different compression systems

Key:

SOC-SAD - Standard of Care Superabsorbent Dressing
KC-SAD - 3M™ Kerramax Care™ Super-Absorbent Dressings
C2LC - 3M™ Coban™ 2 Two-Layer Compression System

Key findings

Reduced visit frequency

- SOC-SAD: 2.04 visits/week
- KC-SAD: 1.8 visits/week

Superior clinical outcomes

- 50% (5/10) of wounds treated with SOC-SAD + C2LC had no or only minor clinical improvements, while positive healing progression was observed in 100% (9/9) of wounds treated with KC-SAD + C2LC

Improved exudate management

- In 78% of the cases, Kerramax Care Dressings had no or minor leakage
- Fewer strike-through incidents
- Dressing size reduced in line with wound size, maintaining saturation with Kerramax Care Dressings

Enhanced patient quality of life







- Less pain, leakage, discomfort, hotness, and wetness
- 100% of the patients reported that Kerramax Care Dressings, with Coban 2 Compression System, always stayed in place

Clinical background

Care-Status:

Patient: 84-year-old; **Baseline wound size:** 55.3 cm²; **Wound size** after or before KC-SAD+C2LC SOC-SAD + C2LC: 29.7 cm²

Issues: Patient was suffering from daily pain with SOC-SAD

| Baseline | After 1 week of SOC-SAD + C2LC | After 2 weeks of SOC-SAD + C2LC | After 1 week of KC-SAD + C2LC | After 2 weeks of KC-SAD + C2LC | After 3 weeks of KC-SAD + C2LC | After 4 weeks of KC-SAD + C2LC |
|---|---|---|---|--|---|---|
|  |  |  |  |  |  | <ul style="list-style-type: none"> • Total wound closure • Patient transferred to garment for maintenance |

Conclusion

The evaluation suggests that Kerramax Care Dressings, in combination with Coban 2 Compression System, may offer benefits in clinical outcomes, patient comfort, and resource use. These findings support its use as a valuable option in the management of highly exuding VLUs.

Patients benefited from:

- Improved quality of life
- Pain-free

Clinicians noted:

- Cost savings
- Improved patient outcomes



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Optimising care pathways for highly exuding VLUs across care settings.



3M™ Kerramax Care™

Super-Absorbent Dressings

3M™ Coban™ 2

Two-Layer Compression System

Scan for more information

about optimising VLUs or visit
[Solventum.com](https://www.solventum.com) for more information.



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