

# Addressing Compression Continuity, Consistency, and Comfort Using a Dual Compression System

Emily Greenstein, APRN, CNP, CWON, FACCWS<sup>1</sup>; and Anthony Tickner, DPM, FACCWS, FAPWCA, FAPWH, FADFS<sup>2</sup>

## Message:

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Compression therapy is the definitive treatment for venous stasis and associated ulceration. While this is well known, what is less appreciated is that patients ambulatory status changes over time during the day and night, and short stretch bandages that work with the calf muscle only during ambulation, provide no compression at night when the patient is asleep and non ambulatory. A proprietary Dual Compression System, Urgo K2 provides both a short stretch component, and a long stretch component in the same bandage system. The long stretch component provides comfortable compression when the patient is non ambulatory. Such a system is evidence based, and provides the 3 C's of compression, which are continuity (of therapy, night and day), consistency (a consistent application of therapeutic pressure over the entire day and night) and comfort (without which there will be no compliance of continuous wearing). A study on 10 patients showed that the patients as well as the caregivers overwhelmingly found the product to be easy to apply and wear, and clinical results were excellent in terms of reduction of edema, periwound skin health, and wound healing.

## Methods:

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10 patients with venous ulcers were treated with the UrgoK2 Dual Compression System wrap. Clinicians who treated the patients were surveyed with seven questions that related to patient centered issues in compression wrapping.

## Results:

Table 1 shows the results of the survey, and for all the seven factors surveyed, the responses were overwhelmingly positive, with no reports of difficulty in usage or negative patient experience. Specifically, 63 out of the 70 survey responses were “very easy/very good”, with respect to the patient centric questions. Figure 1 shows the case of a wound that closed with a 9 week compression wrap therapy. Other cases presented also show that the Dual Compression Bandage was able to heal wounds in a matter of weeks, reducing edema, and promoting peri wound skin health.

Table 1. Overall evaluations			
	Very easy/ very good	Easy/good	Very difficult/ difficult/poor
Ease of application	9/10	1/10	0
Conformability	8/10	2/10	0
Patient compliance	8/10	2/10	0
Patient ability to wear footwear	9/10	1/10	0
Lack of slipping	10/10	0	0
General comfort	9/10	1/10	0
Perceived application accuracy	10/10	0	0



## Conclusion:

The 3 C's of compression, i.e Continuity, Consistency, and Comfort drive compliance and clinical benefits, and this is possible with the Dual Compression System present in UrgoK2. Compression bandages require patient acceptance to be successful, and the survey, coupled with the clinical results show that the construction and design of the UrgoK2 meet the requirements for it to be a successful compression bandage.



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3801 Hulen Street, Suite 251,  
Fort Worth, TX 76107  
Tel. 855-888-8273  
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### Author's Affiliation:

<sup>1</sup>Sandford Health  
<sup>2</sup>Saint Vincent Hospital

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