

Excerpts from articles published on the V.A.C.[®] device*

Can Help Promote Wound Healing

1. *"The most significant difference was the change in depth of 66 percent for VAC compared to 20 percent for WM [saline-wet-to-moist dressings] ($p < .00001$)."*
Joseph E, et al. A prospective, randomized trial of vacuum-assisted closure versus standard therapy of chronic nonhealing wounds. *Wounds*, 2000;12(2): 60-7.
2. *"The use of V.A.C. therapy for the treatment of postoperative diabetic foot wounds reduced the time to satisfactory healing when compared to saline-moistened gauze therapy. In general, expedited wound closure equates to shorter hospitalizations, reduced costs, and decreased risks of infection."*
McCallon SK, et al. Vacuum-assisted closure versus saline-moistened gauze in the healing of postoperative diabetic foot wounds. *Ostomy Wound Management*, 2000;46(8): 28-34.
3. *"...this technique [vacuum-assisted closure] can be applied to a wide variety of defects, improving the quality of life of our patients."*
Argenta LC, Morkywas MJ. Vacuum-assisted closure: A new method for wound control and treatment: Clinical experience. *Annals of Plastic Surgery*, 1997; 38(6): 563-77.

Cost Effectiveness

4. *"Fewer, less painful dressing changes are a boon to patients. They also mean less nursing time and fewer supplies which, along with shorter recovery times, means lower costs."*
Mendez-Eastman S. When wounds won't heal. *RN*, 1998;61(1): 20-4.
5. *"...this method spares the patient a longer hospital stay and a second operative procedure, and it results in significant cost savings."*
Molnar JA, et al. Single-stage approach to skin grafting the exposed skull. *Plastic and Reconstructive Surgery*, 2000; 105(1): 174-7.
6. *"Studies at our institution revealed that the cost of treatment of chronic wounds assigned to Diagnosis-Related Group 263 (skin graft and/or debridement for skin ulcer or cellulitis with chief complaint) has been decreased by 65% since initiation of The V.A.C. device."*
Argenta LC, Morkywas MJ. Vacuum-assisted closure: A new method for wound control and treatment: Clinical experience. *Annals of Plastic Surgery*, 1997; 38(6): 563-77.
7. *"[Negative Pressure Wound Therapy] can heal pressure ulcers located on the trunk and trochanter 61% faster than similar wounds treated with saline-soaked gauze dressings and can cost payors 38% less."*
Philbeck TE, et al. The clinical and cost effectiveness of externally applied negative pressure wound therapy in the treatment of wounds in home healthcare Medicare patients. *Ostomy/Wound Management*, 1999;45(11): 41-50.

Ease of Use

8. *"...we have developed techniques to allow the successful application of SPD [subatmospheric pressure dressing] to sacral pressure ulcers near the anus and multiple large lower extremity ulcers, with almost uniform success in creating a lasting airtight seal."*
Greer SE, et al. Techniques for applying sub-atmospheric pressure dressing to wounds in difficult regions of anatomy. *Journal of Wound, Ostomy and Continence Nursing*, 1999; 26(5): 250-3.
9. *"The treatment is simple and relatively inexpensive. For patients with limited undamaged skin, the technique may be life saving."*
Genecov DG, et al. A controlled sub-atmospheric pressure dressing increases the rate of skin graft donor site reepithelialization. *Annals of Plastic Surgery*, 1998; 40(3): 219-25.

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The V.A.C. (Vacuum Assisted Closure) is subject to patents and/or pending patents.

*Full text reprints of studies are available upon request. To the extent any articles referenced herein contain off-label applications, KCI does not recommend nor endorse such physician application.

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