

Use of Blue Sky Medical Versatile One Negative Pressure Wound Therapy for Treating Post Surgical Dehiscence of Abdominal Wounds.

Michael S. Miller D.O., F.A.C.O.S., CWS, Rhonda Brown, LPN
The Wound Healing Center Terre Haute, Indiana

The use of negative pressure to promote healing of open wounds has considerable literature support for efficacy, cost effectiveness, and ease of use. A new product concept called The Versatile One by Blue Sky Medical of San Diego, CA offers a variation on negative pressure wound therapy through the use of easily available constituents such as rubber/plastic tubing, gauze and clear, semi-permeable dressings.

A case is presented of a 58 y.o. female whose abdominal hysterectomy incision dehisced after surgery. When initial conservative therapy failed, treatment was commenced with the Versatile One version of negative pressure wound therapy and the Chariker-Jeter Kit with excellent results.

Sample Chariker-Jeter kit placement



Versatile One Negative Pressure device



The patient is a 58 year old female who underwent abdominal hysterectomy. The incisional edges separated after the clips were removed with exposure of the fascia. Initial treatments consisted of dry gauze packing with considerable pain upon removal. The patient was referred to The Wound Healing Center where Negative Pressure Wound Therapy using the Chariker Jeter Kit and the Blue Sky Medical Versatile One negative pressure pump. The wound was treated using saline gauze applied in a single layer covering all aspect of the open wound. A flat Jackson-Pratt drain was placed on the gauze and a second piece of gauze placed to cover the drain. The entire wound and dressing was covered with a clear semi-permeable dressing (Tegaderm). This was then connected to the Versatile One Negative Pressure device at a pressure of -80mmHg for period of 6 to 8 hours per day (in the evening while the patient was asleep) on intermittent suction. The drain was clamped prior to disconnecting the Versatile One after each treatment period to allow for continued negative pressure within the now-closed system. This allowed the patient free mobility during the day. The wound was redressed with the moist saline gauze, flat drain and covered with a Tegaderm at an every-other-day interval.. Using this device and treatment scheme, rapid healing was noted.

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