

Patient Experience with a Novel Negative Pressure Wound Therapy System Meets and Exceeds Standards

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INTRODUCTION

Today's standard of care for NPWT systems defined by the European Wound Management Association (EWMA) states that NPWT systems have an electronically controlled feedback system to maintain the prescribed therapy at the wound. This fundamental requirement is necessary to ensure the prescribed NPWT is accurately delivered and maintained at the wound.

METHODS

This investigation provides patient outcomes from an innovative commercially available Novel NPWT System[‡] that meets the standard of care, as defined by EWMA, by maintaining set pressure at the wound site*.

CONCLUSIONS

The data from the 6 patients illustrated an average of 85% wound reduction with an average NPWT treatment duration of 14 weeks. These results illustrate comparable patient outcomes and healing times appear to exceed the standard of care for the Novel NPWT System[‡]. More patient data is needed from the diabetic patient population to confirm these results and to compare outcomes as well as patient compliance to the Common NPWT System[^].

DISCUSSION

The staff noticed that patients utilizing the Novel NPWT System[‡] routinely came to the clinic with the system powered and working. Patients commented that it was easy to comply with the system due to its light weight and simple operation. The wound care staff commented that the high level of compliance to the Novel NPWT System[‡] was unusual. The staff impression was that patients were not as compliant with the Common NPWT System[^].

	Patient	M / F	Age	Weeks on NPWT	Initial Measurements	Final Measurements	Volume Reduction
Novel NPWT System [‡]	KM	Male	63	12	9 x 7 x 0.5	9 x 6 x 0.1	83%
	EM	Male	63	13	6.6 x 5 x 0.1	1.4 x 0.8 x 0.1	66%
	LC	Male	55	13	8 x 7 x 0.3	5.2 x 5.1 x 0.1	84%
Common NPWT System [^]	DM	Female	65	31	8 x 8.2 x 0.1	5.5 x 3.8 x 0.01	97%
	JH	Female	68	4	1.9 x 1.7 x 0.4	2 x 1.2 x 0.1	81%
	JPP	Male	65	13	6.6 x 0.5 x 0.1	1.4 x 0.8 x 0.1	97%

AUTHORS:

* Apelqvist, J., Willy, C., Fagerdah, A.M. et al. Negative Pressure Wound Therapy – overview, challenges and perspectives. J Wound Care 2017; 26: 3, Suppl 3, S1–S113.

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‡ Invia® Liberty™ NPWT System; Medela AG

^ACTIV.A.C.™ Therapy System; 3M+KCI

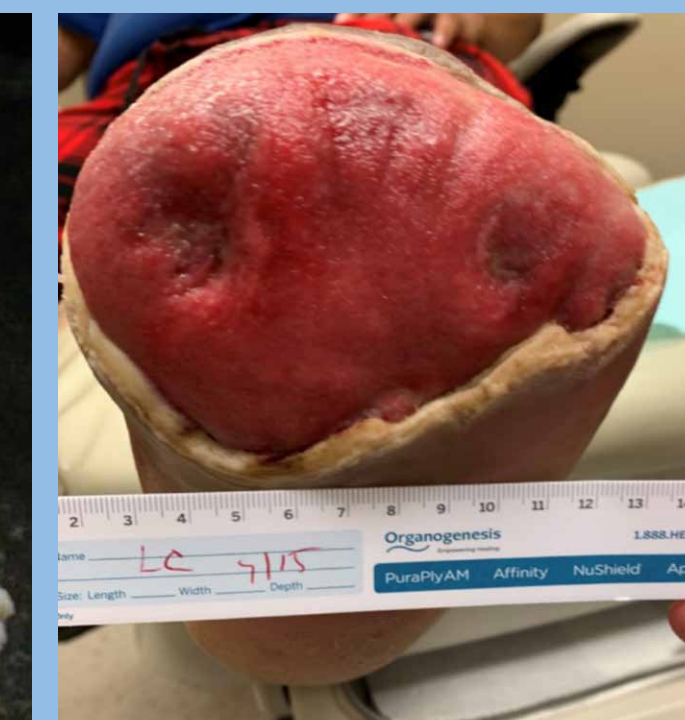
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CASE 3 LC

Novel NPWT System[‡]



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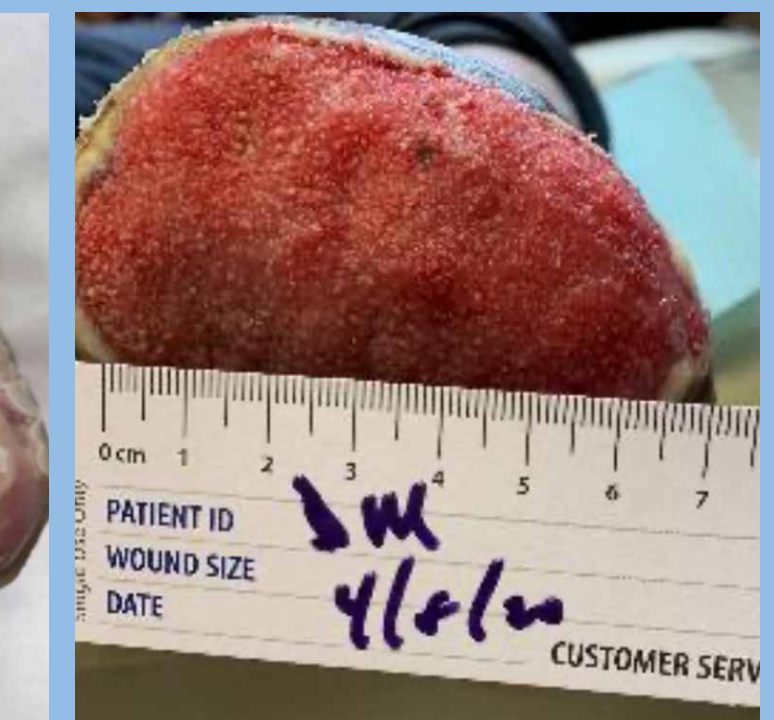
7/15/2020

CASE 4 DM

Common NPWT System[^]



12/29/19



4/8/20