

A Prospective, Within-Patient Controlled Study to Compare the Ability of the Non Adherent Drawtex® Hydroconductive Dressing to a Transparent Polyurethane Film Dressing (Standard of Care) on the Healing of Split-Thickness Skin Graft Donor Sites

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Problem:

Dressing of split-thickness skin graft donor sites can be traumatic for the patient. The most advanced dressings have been compared to the most basic of dressings, with little or no consensus. We aimed to determine the efficacy of the non-adherent, hydroconductive Drawtex® dressing and compare it to a current standard-of-care dressing, the Opsite® thin transparent polyurethane film, in the healing of split-thickness donor sites.

Methods:

This prospective, within-patient controlled study included 27 adult participants, each with two split-thickness skin donor sites. The 54 donor site wounds were compared with regard to re-epithelization, perceived pain and healed wound quality.

Results:

By day 5, complete healing of donor site wounds was significantly higher in the hydroconductive dressing group compared to the polyurethane film group (22.2% and 3.7%, respectively; $p < 0.0001$); **Fig. 1**. The hydroconductive dressing-treated donor site wounds were significantly less painful at 24-hours, 48-hours and 7-days post-operatively; **Fig. 2**. The hydroconductive dressing-treated sites also had fewer complications and demonstrated superior wound healing quality; **Fig. 3**.

Discussion:

In this study it was demonstrated that the hydroconductive dressing, Drawtex, is safe, and potentially superior in wound healing, when compared to a current standard-of-care dressing.

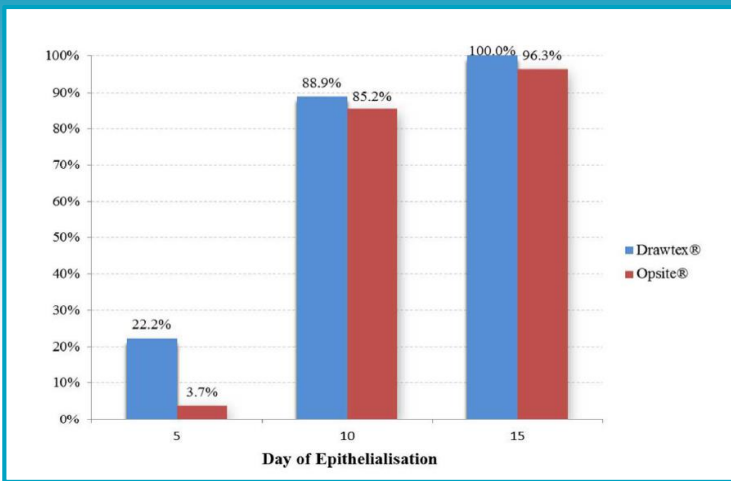


Figure 1

Table 1 Mean VAS for Pain intensity at donor sites

Time	Drawtex® VAS score Mean (SD)	Opsite® VAS score Mean (SD)	P-value*
24-hours	3.33 (1.92)	3.93 (2.59)	0.044
48-hours	2.44 (1.87)	3.03 (2.19)	0.052
7-days	1.19 (1.11)	2.04 (1.72)	0.015

* Wilcoxon matched pairs test

Figure 2

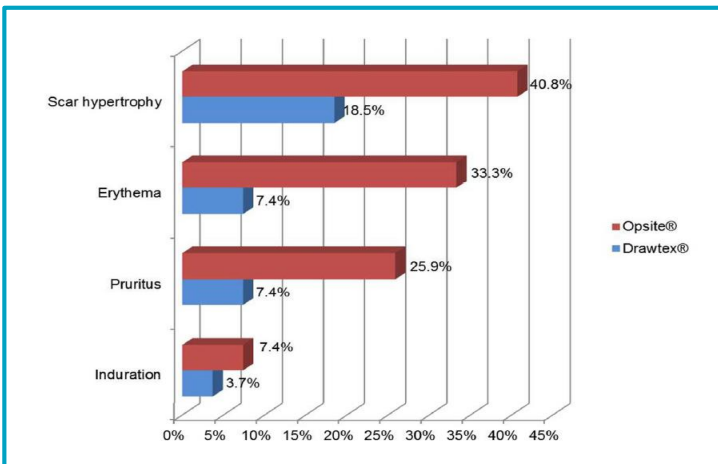


Figure 3

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www.urgomedical.us

Published in:

Surgical Science,
2018; 9(7): 210-221

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Item #101-FY009

Rev. 09/18