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EFFECTS OF A FOAM DRESSING WITH IBUPROFEN ON WOUND PAIN IN ACUTE WOUNDS

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Aim: The objective was to compare the clinical performance of a foam dressing containing ibuprofen with the clinician's choice of dressing as best practice comparator.

Methods: This study reports three subgroup analyses of intention-to-treat data on exuding and painful wounds; donor site wounds (n= 26), postoperative wounds (n=42) and traumatic wounds (n=37). Data was obtained in an international randomised comparative multicenter study*. The patients were randomised to 1-week's treatment with either the foam dressing with ibuprofen or local best practice (LBP). The primary endpoint was pain relief, assessed every morning and evening, using a diary (5-point scale). Upon termination the patients evaluated their overall impression of the pain-relieving effect of the treatment (5-point scale).

Results: The results from all three subgroups were statistically significant and favourable for the foam dressing with ibuprofen as compared to LBP:

Significantly more wound pain relief (all p-values <0.05).

The patients' overall impression of the pain-relieving effect was significantly better (p-values ≤0.01).

No difference in wound progress was observed between the two treatment groups.

Conclusion: The subgroup analyses of this randomised, comparative real-life study showed that wound pain was significantly reduced in the patient groups wearing the foam dressing with ibuprofen compared to local best practice. The results support that the foam dressing with ibuprofen may be an effective solution for managing exuding, painful acute wounds.

* Domench et al, 2008. J Wound Care, 17(8), 344-348.