A NEW EASY TO USE FUNCTIONAL WOUND TREATMENT

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ABSTRACT EP353

Aim

Aim of this case series is to evaluate the effect of a new hydro-conductive wound treatment according to the Diagnosis + Clean/TIME/Cover (CTC) principle in the hospital, home care and elderly care.

Method

Ten consecutive patients are included (after informed consent), in the hospital, home care and elderly care, with wounds of different etiology. After an assessment and identification (and if possible treatment of) the cause of the wound, we debride de wound[1], assess the wound according to the TIME principle (Tissue, Infection, Moisture, Edges) and cover (treat) the wound with a hydro-conductive bandage. Photographs are taken at the start and every two weeks thereafter. Follow-up is 2 months.

Results

Diagnosis + CTC is a clear concept in wound care, easy to use in the different health care settings. Nurses indicated that using Diagnosis + CTC made them feel confident of being complete in their assessment and treatment of wounds.
The hydro-conductive bandage is easy to use and widely applicable in wounds with different etiologies. The included wounds showed an accelerated wound healing.

Case 1

Mr N, 94 years old. Living in a nursing home.
Parkinson's disease,,hypertension and vascular diseases.
December 2018;Wound left calcaneus, started with a blister, unknown cause.
March 2019: because of a non healing wound with recurring Fibrine, we started with a hydro-conductive wound dressing.
Mei 2019: the wound is closed.

27-03-2019 17-04-2019 08-05-2019

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Case 2

Mr X, 61 years old.
Diabetic foot.
Poor bloodcirculation in the lower limb, no revascularisation options.
Amputation dig II left foot because of osteomyelitis..
30-12-2018 started with hydro conductive wound dressing.
The patient reported no pain, no leakage, no smell.
14- 2- 2019 wound is closed.

13-12- 2018 24-1- 2019 14-2- 2019

Discussion

Wound bed preparation has proven to be more and more effective and it is a very important component in wound healing. This new, easy to use dressing shows that we can debride and clean the wound in an easy way.[2] It also lowers the bacterial load in the wound and it covers smell. This easy to use dressing is very effective on the management of exudate, the levafiber technology provides three different types of action, Capillary, Hydroconductive and Electrostatic action.[3] Nurses who worked with this product were very enthusiast, they specified that this dressing is very easy to use and it is useable in hospital and in homecare. They also mentioned that you can use this product for many different types of wounds. It didn't take much time for training and instruction before the nurses could use it properly.

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Case 3

Mr D, 79 Years old
Diabetes mellitus
Coronary Artery Bypass
Neuropatic ulcer, amputation dig II and III
After several curgical dibredements we started with an hydro conductive wound dressing.
After five weeks the wound was almost closed.

28-12-2018 1-2-2019

Conclusion

Transmural wound treatment requires good cooperation, training and instruction of the executive nurses. Diagnosis + CTC is a simple and clear concept which enables nurses to pay attention to the whole concept of wound treatment: clean (debride), TIME and cover. The new hydro-conductive bandage is a welcome addition to this concept, because it can be used in all healing phases. It debrides, protects and stimulates the wound. It is easy to use and can be left in place several days.

Sources

1. James R. Wilcox, RN; Marissa J. Carter, PhD, MA; Scott Covington, MD – *Frequency of debridements and Time to Heal A Retrospective Cohort Study of 312 744Wounds*
2. Bullough L. Tissue Viability Nurse Wrightington, Wigan and Leigh NHS trust. UK – *Hydroconductive debridement Made Easy. www.wounds-uk.com*
3. Tom Wolvos MS, MD, FACS1 and Matthew Livingston RN, BSN, CWS, ACHRN2 - *Wound Fluid Management in Wound Care: The Role of a Hydroconductive Dressing www.woundsresearch.com*