How to choose the propert dressings for venous leg ulcers

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STUDY-1: Calcium-alginate with Mn,Zn/chlorophyllinis (Trionic®) used for fibrinous-wounds-bed. One half of 7 venous ulcers was treated with alginate-Mn,Zn-dressing and the other half of the same ulcer with another alginate.

Results: Half of the ulcer treated with alginate-Mn,Zn-dressing showed progress in100% whereas the other half of the same ulcer treated with another alginate showed progress in only 28%.

STUDY-2: Evaluated the effects of two alginate-dressings on the healing and pain during the treatment of 20 ulcers.

Results: Ulcers treated with alginate/silver(Silvercel®)were smaller for15.4% and ulcers treated with calcium-alginate were larger for 0.7%. Pain was smaller at the patients treated with alginate/silver(begin: severe/end: no pain) compared to ulcers treated with alginate-dressings (begin: severe/end: moderate).

STUDY-3: To compare effects on healing and need for systemic-antibiotics at the 60 ulcers by using honey-dressing (MelMax®) and silver,charcoal-dressing (Actisorb-plus®). Results: Mean wound-size at treating with honey-dressing was 28cm² at the beginning and 17cm² at the end. Mean wound-size at the treating with silver,charcoal-dressing was 16cm² at the begin and 15cm² at the end. Because of possible risk of systemic infection on day-1 swabs were taken from wound-bed from 9 patients, only 1 needed systemic-antibiotic after 1 week of therapy with honey-dressings and all 6 from whom swabs were taken from other group needed systemic-antibiotics.

STUDY-4: To compare effects on healing of foam-dressing with silver (Contreet-H®) versus »local-best-practice« in the treatment of 619 ulcers with delayed healing.

Results: Wound-area decreased faster in patient treated with foam-dressing/silver (50% vs. 34.3% reduction). The foam-dressing/silver significantly promotes positive wound progres in 67% compared to 51% using »local-best-practice«.

STUDY-5: Impaired wound healing in 5 chronic-ulcers is associated with imbalance of excessive metalloproteases and inhibitors and higher level of bacteria who disturbing granulation-tissue formation. The dressing we used composed of collagen/oxidized-regenerated-cellulose/ionically-bound-silver (Promogran-Prisma®).

Results: The whole ulcers-area were reduced for average 34.1% per patient in 17 days.

STUDY-6: Comparing the hydrofibre-dressing and ointments in changing microbial-colonisation and healing of 24 ulcers in 7 weeks.

Results: The most frequently isolated bacteria in group with hydrofibre-dressings (Aquacel®) was PseudomonasAeruginosa (begin: 44.4%/end: 20%) in group with ointment was most frequently Pseudomonas (begin: 53.3%/end: 40%). Mean wound-size at treating with hydrofibre-dressing was 9.6cm² at the beginning and 8.8cm² at the end. Mean wound-size at the treating with ointments was 16.4cm² at the beginning and 19.5cm² at the end.

STUDY-7: To evaluate effects on healing and pain in 5 ulcer on Atrophie-blanche with using the hydrobalance-cellulose-dressings (Suprasorb-X®).

Results: The average reduction in size of individual ulcer was 9.6cm² in two-weeks. Pain was before therapy average: 8 and at the end 0.2 per patient.

STUDY-8: The chronic pain was severe in 5 patients with 7 ulcers. The poliuretain-foam-dressings with analgesics (Biatain-Ibu®) were using to evaluate pain decreased.

Results: The average-reduction of pain was from: 8.4 to 5.4 per patient at the end.


Results: The ulcers area were reduced for 15.55% in the ulcers treated with non-alcohol-film-forming-skin-protector and enlarged for 1.12% at the other ulcers. The isles were largered for two-times with non-alcohol-film-forming-skin-protector and reduced for 13.8% at the ulcers without it.

STUDY-10: 5 patients with not progress in healing venous leg ulcers for 5.2 years mean. At begin were in stage C3 and size was 24.44 cm² mean. Foam AMD with PHMB® changed every 3-4 days. The treatment last mean 44.7 days or until wound did not healed.

Results: One wound healed. The other were smaller and measurement at the end 17.69 cm² mean. The wound beds were in a stage A2.

STUDY-11: To evaluate effects on healing and pain in 14 C2-3 VLU treating with honey (Vivmel®- group 1) and 16 C3 VLU treating with antiseptic (AMD with PHMB® - group 2).

Results: In group 1 were results on healing faster (after one week), but in group 2 were no pain than there were at group 1. After two weeks all the VLU from both group were B2 by Falanga’s classification.

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