

# 2<sup>nd</sup> International Summit on Clinical Pharmacy

December 02-03, 2014 DoubleTree by Hilton Hotel San Francisco Airport, USA

## How to choose the propret dressings for venous leg ulcers

**Tanja Planinšek Ručigaj**

Dermatovenerological clinic, University Clinical centre Ljubljana, Slovenia

**STUDY-1:** Calcium-alginate with Mn,Zn/chlorophyllinis (Trionic®) used for fibrinous-wounds-bed. One half of 7venous 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%wheather the other half of the same ulcer treated with another alginate showed progress in only28%.

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

**Results:** Ulcers treated with alginate/silver(Silvercel®)were smaller for15,4%and ulcers treated with calcium-alginate were larger for0,7%.Pain was smaller at the patients treated with alginate/silver(begin:severe/end:no pain)compared to ulcers treated with alginate-dressings(beggin:severe/end:moderate).

**STUDY-3:** To compare effects on healing and need for systemic-antibiotics at the 60v.ulcers by using honey-dressing (MelMax®) and silver/charcoal-dressing (Actisorb-plus®). Results:Mean wound-size at treating with honey-dressing was28cm<sup>2</sup> at the beginning and17cm<sup>2</sup> at the end.Mean wound-size at the treating with silver/charcoal-dressing was16cm<sup>2</sup> at the begin and15cm<sup>2</sup> 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 1week of therapy with honey-dressings and all 6from 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 of619ulcers 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 in67%compared to51%using »local-best-practice«.

**STUDY-5:** Impaired wound healing in 5chronic-wounds 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 average34.11%per patient in17days.

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

**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:60%).Mean wound-size at treating with hydrofibre-dressing was9.6cm<sup>2</sup> at the beginning and8.8cm<sup>2</sup> at the end.Mean wound-size at the treating with ointments was16.4cm<sup>2</sup> at the begin and19.5cm<sup>2</sup> at the end.

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

Results:The average reduction in size of individual ulcer was9.6cm<sup>2</sup> in two-weeks. Pain was before therapy average:8 and at the end 0.2per patient.

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

**Results:** The average-reduction of pain was from:8.4 to5.4per patient at the end.

**STUDY-9:** Comparing increase of the skins-isles inside the 27v.ulcers with using and no using non-alcohol-film-forming-skin-protectant(Cavilon-spray®).

**Results:** The ulcers area were reduced for15.55%in the ulcers treated with non-alcohol-film-forming-skin-protector and enlarged for1,12%at the other ulcers. The isles were lagered for two-times with non-alcohol-film-forming-skin-protector and reduced for13,8%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 cm<sup>2</sup> 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 cm<sup>2</sup> mean. The wound beds were in a stage A2.

**STUDY-11:** To evaluated 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 group1 were results on healing fasters (after one week), but in group 2 were no pain than there were at group1. After two weeks all the VLU from both group were B2 by Falanga 's classification.

[t.rucigaj@gmail.com](mailto:t.rucigaj@gmail.com)