

THE COMBINATION OF HYALURONATE-IODINE COMPLEX AND NEGATIVE PRESSURE THERAPY ON NON-HEALING DIABETIC WOUNDS



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Introduction:

Healing of diabetic ulcerations is besides others, dependent on presence and quality of granulation tissue. The positive effect of hyaluronan iodine complex (HI) was confirmed in several studies¹⁻³. The aim of present study was to receive the initial results of combined HI and negative pressure (NP) therapy in diabetic wounds.

Methods:

After debridement the wounds were covered by 5 layers of sterile gauze, soaked with HI complex and by several layers of dry gauze.

Constant negative pressure (-150 mm Hg) was installed under transparent plastic foil. This treatment was switched to sole HI application after 3 weeks.

Results:

| | |
|--------------------------------------|-----------------|
| Number of patients | 12 |
| Time to granulation tissue formation | 1.5 ± 1.4 weeks |
| Wound area after 3 weeks of therapy | 45.4 ± 14.4 % |



after NP & HI - day 21

Conclusion:

Combination of negative pressure therapy with hyaluronate-iodine complex is promising approach to the treatment of non-healing diabetic wounds.



before



NP & HI therapy



after NP & HI - day 17



before



NP & HI therapy



after NP & HI - day 28

References:

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3. Cutting K, Amlani A, Barlow Kearsley E. Hyiodine in action - The journey continues. Diabetic Foot Supplement 2011;14(4):1-4

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