**The evaluation of effectiveness of different dressings in healing process of chronic venous leg ulcers.**

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Doctoral Dissertation – abstract

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**Introduction**

One of the most important aspects of treating chronic venous leg ulcers is to use proper dressing.

**Aim**

1. Comparison of healing process of venous ulcers in chronic venous insufficiency with use of different dressings.

2. Comparison of surface area of venous ulcers with ImageJ program.

**Material and Methods**

The study involved 71 people at the age of 22-93 years (mean 67 years). All of them ware healing chronic venous leg ulcer (C6 advanced stadium) in NZOZ Mikomed in Lodz in years 2009-2010. Patients were randomly divided into 4 groups. Dressings were changed during visits every 7 days over a period of 6 weeks. On every visit description of the ulcer and the skin around it was made, and surface area was counted using photo of the ulcer and ImageJ program. In the first group was used Atrauman® Ag. In the second group was used Aquacel® Ag. In the third group was used Bactigras®. The last group uses Granuflex®.

**Results**

After using of dressings, in majority of patients, swelling of ulcer area and redness of the skin subsided and characteristic odor sensed before treatment disappeared completely.

**Conclusions**

The use of dressings for 6 weeks helped heal venous leg ulcers in 61.3% of patients. The vast majority of patients after 3 weeks treatment and dressing changes reported no pain or mild pain.