

Wound healing outcomes after diabetic foot surgery: a follow-up study after implementation of a revised protocol

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Abstract

Aim: To identify whether there were improvements in wound healing following the introduction of a new protocol for vascular examination and treatment. **Method:** Retrospective analyses of two patient cohorts. First cohort 2010-2013 and second cohort 2016. **Results:** In total 209 cases were included. The second cohort demonstrated an improved healing rate of 10% ($p=0.01$) and a decrease in the need of additional surgery, however not significant ($p>0.05$). The number of patients who underwent revascularisation was 40% in the first cohort and 58% in the second cohort ($p=0.00$) and this was significant more often shortly before or after their surgical procedure in the cohort of 2016 ($p=0.05$). There was no statistically significant difference between the outcomes of revascularisation and wound healing between the two groups ($p>0.05$). **Conclusion:** This study demonstrated that the implementation of the new diabetic foot protocol lead to improved healing outcomes. However, the influence of revascularisation on wound healing remains unclear.

Biography

Ellie Lenselink is a dedicated inspired Wound Consultant nurse who loves to combine clinical care with medical science. During her carrier she always want to expand her knowledge in order to give the patient the best possible high-quality care. After graduating from the MSc in Wound Healing & Tissue Repair, she continued doing some research next to her work as a Wound Consultant nurse. As a member of the multidisciplinary wound team, she was one of the driving forces and founders of the multidisciplinary Wound Expert Clinic in The Hague's largest teaching hospital: Haaglanden Medical Centre. Together with her colleagues she takes care of patients with complex wounds and is specialized in diabetic foot wounds. Additional Ellie is a board member of the Dutch nursing association for Wound Expertise, tutor and lecturer at the Dutch course for wound care nurses and Honorary Tutor for the MSc in Wound Healing and Tissue Repair at Cardiff University, participate in several Dutch diabetic foot working groups and is one of the editors of the Dutch wound journal. She had published several articles both in Dutch as international.

Publication of speakers:

- Dabigatran for Prevention of Stroke after Embolic Stroke of Undetermined Source
- Ticagrelor versus Aspirin in Acute Stroke or Transient Ischemic Attack
- A Comparison of Two LDL Cholesterol Targets after Ischemic Stroke
- Uterine Malformations: An Update of Diagnosis, Management, and Outcomes
- What is the role of the physiotherapist in paediatric intensive care units? A systematic review of the evidence for respiratory and rehabilitation interventions for mechanically ventilated patients



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