

Debriding effect of amino acid-buffered hypochlorite on hard-to-heal wounds covered by devitalised tissue: pilot study

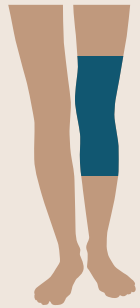
Björn Eliasson, Ann-Mari Fagerdahl, Anders Jönsson, Jan Apelqvist. Journal of Wound Care (June 2021) 30:6

ChloraSolv® can be effective and well-tolerated in the treatment of hard-to-heal wounds to dissolve and remove devitalised tissue. The majority of users found debridement was easier to perform vs previous experience

STUDY DETAILS

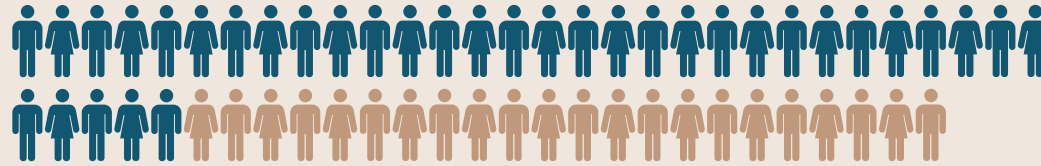
Method;

- Open-label, single-arm, multicentre, pre-market pilot investigation



N=57 with hard-to-heal leg ulcers, with a full skin ulcer at least

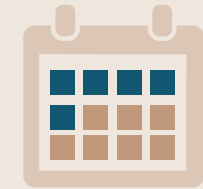
50%
covered by
devitalised tissue



57 subjects

61.4% (35 subjects)
have leg ulcers

38.6% (22 subjects)
have foot ulcers



Weekly application of ChloraSolv® for **5 weeks** with follow-up at **12 weeks**

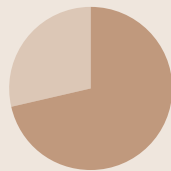
RESULTS

Reduction of devitalised tissue (p<0.0001)

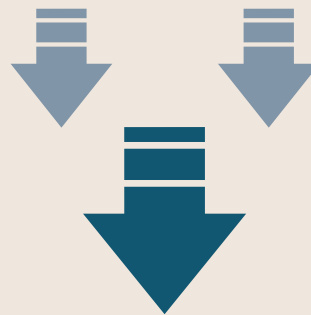
After 5 weeks



72.7%
decrease in
devitalised tissue

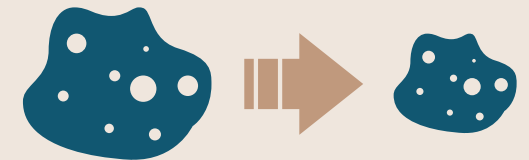


71.4%
of the subjects showed
a decrease in devitalised
tissue of ≥50%



At 12 weeks
84.4%
decrease in
devitalised tissue

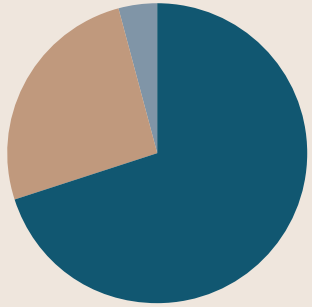
Reduction in wound size (p<0.0001)



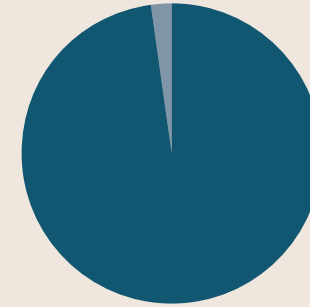
After 5 weeks, the median
wound size reduction was
30.9%

RESULTS

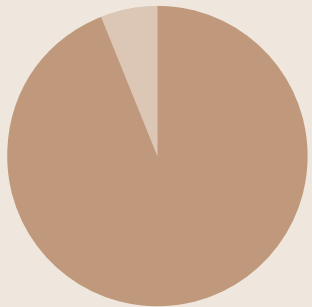
Overall experience (N= 53)



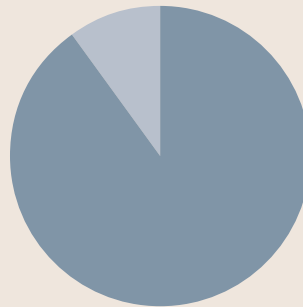
70% agree that ChloraSolv® makes the debridement easier than earlier experience
26% rated it as equal
4% do not agree



98%
rated ChloraSolv®
as easy or very easy
to handle



94%
rated it as **easy or
very easy to apply**



90%
rated ChloraSolv®
as **good or very good**
with regard to pain
during debridement



Overall experience rated
good or very good by 100%
of the responders

CLINICAL IMPACT

- ✓ **ChloraSolv® can be effective and well tolerated** in the treatment of hard-to-heal lower extremity ulcers to dissolve and remove devitalised tissue
- ✓ Debridement with ChloraSolv® is **beneficial for natural wound healing**
- ✓ Most of the investigators/nurses found that debridement was **easier to perform with ChloraSolv®** than treatments, previously used
- ✓ The treatment was perceived as **positive and easy to handle** both from the perspective of care recipients and caregivers
- ✓ A treatment regimen based on use of amino acid-buffered hypochlorite gel could represent **a valuable addition to wound care**