Hypochlorous Acid Improves Venous Leg Ulcer Healing:

Circulating epithelial cell precursor recruitment and control of biofilm bacteria appears to foster healing by enhancing epithelial daughter cell division

Problem
- Recurrent VLU x 6 months
- Weeping Lymphorrhea with Constrictive Heart Failure
- Noncompliant with CHF Rx
- Morbid Obesity
- Traqueotomy, pulmonary hypertension
- Sleeps sitting up to prevent apnea

Outcome
- Wound heals in 5 months
- Lymphorrhea unchecked over 6 months of wound therapy
- Topical HOCl heals wound

Conclusion
- Topical HOCl + debridement controls biofilm bacteria
- Elastic Compression

Treatment
- Weekly Soft Debridement of VLUs with HOCl pretreatment
- Tracheotomy, hemotoma cavity irrigation with HOCl*
- Incision and drainage of hematoma cavity
- Hx nonhealing venous leg ulcers

Treatment
- Incision and drainage of hematoma cavity
- Hematoma cavity irrigation with HOCl*
- Topical HOCl
- Fuzzy wale elastic compression + carbon cloth + collagen

Conclusion
- HOCl irrigation of hematoma cavity
- Healing speeds healing
- Elastic compression removes inflammatory mediators from the ectopic blood

Methods
- HOCl kills bacteria that inhibit bone marrow precursor epithelial cells
- HOCl controls wound biofilm bacteria painlessly

References

*NeuroPhase®, NovaBay Pharmaceuticals, Inc., Emeryville, CA 94608
**EdemaWear®, Compression Dynamics, LLC, Omaha, NE 68102
***CoFlex TLC (foam wrap roll), Andover Healthcare, Salisbury, MA 01952