Research Summary
The Big Idea

Bleach Baths
- Anti-microbial
- Anti-inflammatory
- Cumbersome and Risky
- Poor patient compliance
- Risks + do not use above neck

CLn®
- Anti-microbial
- Anti-inflammatory
- Easy to use & Effective
- Good patient compliance
- Safe + and no barrier disruption

CLn
思科
Bleach Baths
- Sodium Hypochlorite
- Surfactants
- "proprietary technology"

Patented
US Patent # 9066871
People Living with Eczema Want Better Options

Overall, are you satisfied with the treatment of atopic dermatitis?

86% reported they were not satisfied with the treatment of atopic dermatitis (AD)

Overall, do you think doctors know how to treat atopic dermatitis?

91% responded that they think doctors do not know how to treat AD

How many doctors have you seen for this problem?

56% reported having seen up to 5 doctors for their or their child’s AD

Source: NEA online member survey, January 2016.
The product has been effective in 2 studies with staph colonization.

1st Study led by Dr. Fred Ghali
Published in Peds Derm June 2013

Study
- 18 children with moderate to severe eczema
- Staph culture positive
- No antibiotics used

Findings
- Significant eczema improvement
- 9/10 would recommend CLn to others

10 y/o, on Cyclosporine

10 Weeks after CLn®
2 y/o with eczema & recurrent staph cellulitis

Baseline 8 Weeks
2nd Study in staph colonization & eczema

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Study
- 50 children with moderate to severe eczema
- 6 week study
- Staph culture positive
- No antibiotics used

Findings
- Dramatic improvement of skin
- Reduced itching and improved quality of life of child and parent
- Reduced steroid usage
- Reduced Staph aureus colonization

12 yr old - Baseline  2 Weeks  6 Weeks
Sodium Hypochlorite Body Wash

as a maintenance intervention to decrease
Staphylococcus Aureus Colonization
in Pediatric Patients with Atopic Dermatitis

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Results of Clinical Severity Scores

Percent mean decrease in EASI, BSA and IGA at 2 weeks and 6 weeks post-treatment with sodium hypochlorite wash.

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Results of Clinical Severity Scores

% Mean Decrease in CDLQI, FDLQI, VAS and PSQ

Percent mean decrease in CDLQI, FDLQI, Pruritus VAS and PSQ at 2 weeks and 6 weeks post-treatment with sodium hypochlorite wash.
Results of Staphylococcus Aureus Colonization

Percent of patients who tested positive for the presence of *Staphylococcus aureus* during bacterial culture of lesion swab at baseline and 2 weeks.

Percent of patients who tested positive for the presence of *Staphylococcus aureus* during PCR analysis of lesion swab at baseline and 2 weeks.
Results

Staph colonization and eczema of the hand and popliteal fossa at baseline (A) and 6 weeks (B) post-treatment with sodium hypochlorite wash.
CLEAN Study Summary – 50 patients

- No antibiotics
- Excellent safety
- Eczema improvement with excellent efficacy
- Reduced itching
- Improved quality of life for child and parent

Other observations
- Reduced corticosteroid usage
- Reduced Staph and MRSA colonization
References


4. CLn BodyWash is effective in the management of Staph colonized AD patients. PI: Dr. Hebert. UT Houston and Northwestern. Bohaty et al. CLEAN Study: e-Poster 7728 March 2014 AAD