

Clinical Trial Report: Efficacy of Eczema Bee Gone for Immediate Itch Relief

Study Overview

Study Title: Randomized Controlled Trial of Eczema Bee Gone for Immediate Itch Relief in Patients with Eczema

Study Type: Randomized, placebo-controlled cohort study

Study Period: November 2024

Principal Investigator: Anthony Kurilik

Study Location: 15340 Michigan Ave, Dearborn, MI 48126

Objective

To evaluate the immediate efficacy of Eczema Bee Gone in providing itch relief within 5 minutes of application compared to placebo in patients with eczema.

Methods

Study Design

This was a randomized, double-blind, placebo-controlled trial comparing Eczema Bee Gone to placebo for immediate itch relief in eczema patients.

Participants

- **Total enrolled:** 100 participants with diagnosed eczema
- **Randomization:** 1:1 ratio into treatment and control groups
- **Treatment group:** 50 participants receiving Eczema Bee Gone
- **Control group:** 50 participants receiving placebo

Inclusion Criteria

- Confirmed diagnosis of eczema
- Active itch symptoms at time of application
- [Additional criteria to be specified]

Intervention

Participants applied either Eczema Bee Gone or placebo topically to affected areas and were assessed for itch relief within 5 minutes of application.

Primary Endpoint

Immediate itch relief (defined as patient-reported cessation or significant reduction of itching) within 5 minutes of product application.

Statistical Analysis

- Confidence interval: 95% ($\alpha = 0.05$)
- Statistical significance threshold: $p < 0.05$
- Analysis performed using chi-square test for categorical outcomes

Results

Participant Demographics

- **Total participants:** 100
- **Treatment group:** 50 participants
- **Control group:** 50 participants
- **Completion rate:** 100%

Primary Outcome Results

Group	Participants	Positive Response	Response Rate	95% CI
Eczema Bee Gone	50	39	78.0%	64.0% - 88.5%
Placebo	50	5	10.0%	3.3% - 21.8%

Statistical Analysis

Treatment Group (Eczema Bee Gone):

- Success rate: $39/50 = 78\%$ (95% CI: 64.0% - 88.5%)
- Failure rate: $11/50 = 22\%$

Control Group (Placebo):

- Success rate: $5/50 = 10\%$ (95% CI: 3.3% - 21.8%)
- Failure rate: $45/50 = 90\%$

Comparative Analysis:

- **Absolute Risk Reduction:** 68% (78% - 10%)

- **Relative Risk:** 7.8 (78%/10%)
- **Number Needed to Treat (NNT):** 1.47 patients
- **Chi-square test:** $\chi^2 = 46.67$, $df = 1$, $p < 0.001$

Statistical Significance

The difference between treatment and control groups was statistically significant ($p < 0.001$), indicating that Eczema Bee Gone demonstrates superior efficacy compared to placebo for immediate itch relief.

Conclusions

This randomized controlled trial demonstrates that Eczema Bee Gone is significantly more effective than placebo for providing immediate itch relief in patients with eczema. Key findings include:

1. **High Efficacy:** 78% of participants experienced immediate itch relief with Eczema Bee Gone compared to only 10% with placebo.
2. **Statistical Significance:** The treatment effect was highly statistically significant ($p < 0.001$), well below the predetermined significance threshold of 0.05.
3. **Clinical Relevance:** The Number Needed to Treat of 1.47 indicates that for every 1.5 patients treated with Eczema Bee Gone, one additional patient will experience immediate itch relief compared to placebo.
4. **Safety Profile:** No adverse events were reported during the 5-minute observation period.

Limitations

- Short observation period (5 minutes) - longer-term efficacy not assessed
- Single-center study design
- Patient-reported outcomes without objective itch measurement tools
- Blinding effectiveness not assessed

Recommendations

Based on these results, Eczema Bee Gone shows promising efficacy for immediate itch relief in eczema patients. Future studies should consider:

- Longer follow-up periods to assess sustained relief
- Multi-center trials to enhance generalizability
- Objective measurement tools for itch assessment
- Safety evaluation over extended use periods

