A novel acne treatment system (Clenziderm MD™) designed to enhance the efficacy of benzoyl peroxide treatment: an investigator-blind, randomized study

**INTRODUCTION**

A novel system for treating acne vulgaris has recently become available exclusively through physician offices. Designed to enhance the bioavailability and penetration of benzoyl peroxide (BPO)—and ultimately the efficacy of treatment—this 3-part system involves applying a novel solubilized BPO/Serum Gel (Group C) after cleansing and toning with 2% salicylic acid-based products (Daily Glye Foaming Cleanser and Probe Toner, respectively).

The results of previous studies have demonstrated that the Serum Gel alone appears to be able to deliver the skin and follicles more evenly than a generic BPO formulation.1 Providing as little as this, the Serum Gel has also been shown to achieve greater in vitro proliferation and in vivo surface bacterial activity as high as 100x better than a prescription generic, BPO formulation and a prescription BPO/antibiotic combination product.

Using the serum Solubilization of the 3-part acne treatment system (i.e., it is converted into the salicylic acid-based cleanser and toner) is designed to enhance its efficacy to deliver and penetrate the comedone and sebum to the follicle itself. This method creates an oil-in-water emulsion in the Serum Gel and allows for the delivery of more active ingredients into the follicle itself to promote the destruction of the lesion directly. The 3-part acne treatment system (i.e., it is converted into the salicylic acid-based cleanser and toner) is designed to enhance its efficacy to deliver and penetrate the comedone and sebum to the follicle itself.

**METHODS**

Using the Serum Gel of the 3-part acne treatment system (i.e., it is converted into the salicylic acid-based cleanser and toner) is designed to enhance its efficacy to deliver and penetrate the comedone and sebum to the follicle itself. This method creates an oil-in-water emulsion in the Serum Gel and allows for the delivery of more active ingredients into the follicle itself to promote the destruction of the lesion directly. The 3-part acne treatment system (i.e., it is converted into the salicylic acid-based cleanser and toner) is designed to enhance its efficacy to deliver and penetrate the comedone and sebum to the follicle itself.

In a 2-week randomized study, the Serum Gel was used in conjunction with the serum (without the cleanser) the reduction in non-inflammatory lesion count at week 2 was greater with the novel BPO formulation than with a prescription BPO/antibiotic formulation (14% vs. 21%).

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Furthermore, the reduction in inflammatory lesion count at week 2 was greater with the novel BPO formulation than with a prescription BPO/antibiotic formulation (34% vs. 21%).

**RESULTS**

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**CONCLUSIONS**

The novel 3-part acne treatment system is a highly effective and well-tolerated approach for treating acne vulgaris, achieving significant reductions in lesion counts in only 2 weeks.

Physicians have the flexibility to titrate between once-daily and twice-daily applications of the Serum Gel according to the sensitivity of an individual's skin. In many patients, applying one pump of the Serum Gel once daily may offer the optimal clinical balance between efficacy and tolerability.

**REFERENCES**


**DISCLOSURES**

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