

Peer Review

Review of: "Treatment of Facial Ageing with Ozone Therapy: Clinical Case Report"

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Ozone therapy has emerged as a promising alternative in aesthetic dermatology for addressing facial aging. The therapy leverages ozone's properties to stimulate collagen synthesis, enhance microcirculation, and provide antioxidant effects, thereby mitigating the signs of aging. The reviewed paper presents a case study of a 55-year-old patient undergoing six sessions of ozone therapy, demonstrating its potential in reducing expression lines, improving skin texture, and restoring self-esteem. The treatment protocol included a gradual increase in ozone concentration and the use of complementary ozonized skincare products. While the therapy appears minimally invasive and effective, questions remain regarding its evaluation methods, patient selection, and comparative efficacy with other contemporary anti-aging techniques.

However, to further improve the paper, the following considerations should be addressed:

1. The paper is accessible to general readers but lacks precision in scientific terminology suitable for dermatological professionals. Replace phrases like “facial aging prevention” ...
2. Include mechanisms of ozone therapy at a cellular level.
3. Compare ozone therapy with other trending anti-aging techniques, collagen biostimulation methods, such as non-invasive treatments like laser resurfacing, micro-needling, and platelet-rich plasma (PRP).
4. Discuss where ozone therapy stands in terms of safety, cost-effectiveness, and patient satisfaction compared to these modalities.
5. The inclusion of a smoker with previous bariatric surgery introduces confounding variables. These factors might affect the outcomes.

6. Clarify if the patient had any prior aesthetic treatments, regular use of homecare products, or pre-existing skin conditions that could influence results.
7. Provide specifics on the frequency and duration of Nutritive Facial Serum use during the treatment.
8. Detail any anesthesia used during the procedure and describe patient comfort levels (e.g., itching, redness, or pain) during and after the sessions.
9. Describe the criteria used to evaluate the therapy's impact on wrinkles and overall skin texture. Were standardized scoring tools or imaging techniques utilized?
10. Expand on the statement regarding improved self-esteem. Specify if validated psychological tools or surveys were employed to assess this outcome.
11. Discuss how long the patient was followed after the treatment to determine the longevity of the effects.
12. Add “Before” and “After” labels to the images, clearly stating the improvements observed with a figure legend. For example, “Figure 1: Pre-treatment appearance versus post-treatment reduction in ...”
13. Cite the latest systematic reviews, such as Dr. Oliveira Modena and colleagues' work entitled “Ozone Therapy for Dermatological Conditions: A Systematic Review”^[1].
14. Check and correct any inconsistencies in reference formatting, particularly reference 6.
15. Acknowledge the limitations of a single-case study, including the lack of a control group and potential bias in patient-reported outcomes.
16. Propose directions for future research, such as larger clinical trials or comparative studies with other aesthetic treatments.
17. Provide a concise overview of its potential contraindications or risks to ensure a balanced discussion.

Thank you for the opportunity to review this paper.

Sincerely,

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References

1. [^]Oliveira Modena et al.. (2022). Ozone Therapy for Dermatological Conditions: A Systematic Review. *Journal of Cosmetic Dermatology*, vol. 15(5) .

Declarations

Potential competing interests: No potential competing interests to declare.