Facial Rejuvenation Treatment with Independent Application of Radiofrequency and Neuromuscular Emissions Using the WonderFace Device

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Abstract

WonderFace is a device designed for non-invasive facial lifting and wrinkle reduction, targeting multiple structural layers of the face, including skin, connective tissue, and facial muscles.

The system is based on two independent technologies: Radiofrequency and Neuromuscular Emissions, applied through specific and differentiated electrodes positioned on the frontal, zygomatic, and submaxillary regions.

Radiofrequency generates controlled thermal stimulation of facial tissues, while Neuromuscular Emissions selectively activate facial muscles. These technologies are applied independently and on different treatment sessions, allowing targeted physiological responses without energy overlap.

This approach induces improvements in skin texture, wrinkle reduction, facial repositioning, and an overall lifting effect.

Introduction

Facial aging is a continuous process resulting from structural changes affecting skin, fat, muscle, fascia, and bone. These changes occur at different rates depending on age, gender, and individual biological factors.

Radiofrequency (RF) is widely used in aesthetic medicine due to its ability to induce dermal heating, promoting collagen remodeling and improving skin quality. However, RF primarily acts on the skin and does not directly address underlying muscular structures.

Facial appearance is influenced not only by skin quality but also by muscle tone and structural support. The interaction between facial muscles and soft tissues plays a critical role in maintaining facial definition and contour.

Neuromuscular Emission technology has been introduced to target facial muscles through controlled electrical stimulation, inducing contractions that improve muscle tone and structural support.

WonderFace integrates both approaches within a single platform while maintaining complete independence between Radiofrequency and Neuromuscular systems. Each technology is applied separately, respecting physiological mechanisms and treatment protocols.

Objective of This Article

This article aims to evaluate the safety and efficacy of WonderFace in non-invasive facial rejuvenation through the independent application of Radiofrequency and Neuromuscular Emissions.

Method

A. Over the course of one month, facial rejuvenation treatments were performed using WonderFace under the following conditions:

- Number of participants: 85 individuals
- Women: 84
- Men: 1
- Average age: 50–70 years

B. All treatments followed standard contraindications:

- Not pregnant or breastfeeding
- Not underage
- No active diseases
- Not epileptic
- No recent surgery
- No implanted electrical devices
- No skin disorders or irritation

C. Skin phototypes ranged between I and V.

D. Each participant received 4 sessions over one month:

- Neuromuscular treatments: once per week
- Radiofrequency treatments: applied on separate days, respecting independent treatment protocols

E. Neuromuscular treatments were performed using the Lifting program at a fixed frequency of 250 Hz.

F. Neuromuscular intensity ranged between 25 and 35 (out of 50).

G. Clinical evaluation (based on professional assessment and before/after photography):

- 30% of patients showed ~10% improvement
- 40% showed ~20% improvement
- 30% showed ~30% improvement

H. Comfort and satisfaction:

- No pain reported
- High tolerance
- Described as comfortable and well accepted

Results

After four sessions:

- Average improvement: ~20% in skin quality and facial appearance
- Visible enhancement in tone, firmness, and contour
- No severe adverse effects observed

Conclusion

The WonderFace system demonstrates a favorable safety and efficacy profile in non-invasive facial rejuvenation when Radiofrequency and Neuromuscular Emissions are applied as independent treatments.

The separation of both technologies allows controlled and targeted physiological responses, contributing to improved facial structure, skin quality, and muscle tone.

Mild erythema was the only observed side effect, resolving within 15–30 minutes.

WonderFace represents a safe and effective tool for achieving natural and progressive facial rejuvenation results.

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