

INTRODUCTION

In recent years, the field of dentistry has evolved beyond the conventional boundaries of oral health care. Dentists, traditionally entrusted with ensuring the well-being of teeth and gums, are increasingly recognizing the interplay between oral and facial aesthetics. This recognition has led to the integration of skincare assessments and treatments within the area of dentistry, ushering in a new era where oral health and facial appearance are intertwined.

By addressing not only the health of the teeth and gums but also the vitality and appearance of the skin, dentists can offer a holistic approach to patient well-being. This integrated approach recognizes that the mouth and face are intimately linked, and the quality of one can significantly impact the other. Through skincare assessments and tailored treatments, dentists can enhance not only smiles but also the confidence and self-esteem of their patients, thereby redefining the scope of modern dentistry.

In this poster, we presented the results of a comprehensive skincare assessment conducted on the patient, shedding light on the potential for dentistry to contribute to overall facial aesthetics and, in turn, to the enhanced quality of life for the patients.

CASE REPORT

The patient, aged 66, presented with complaints about her appearance, primarily focusing on wrinkles around her mouth. To address these concerns, two sessions of Non-ablative skin laser (Lavieen®) treatment were conducted, with 1000 pulses delivered at an energy level of 10 watts in continuous mode, maintaining a distance of 0.7 mm.

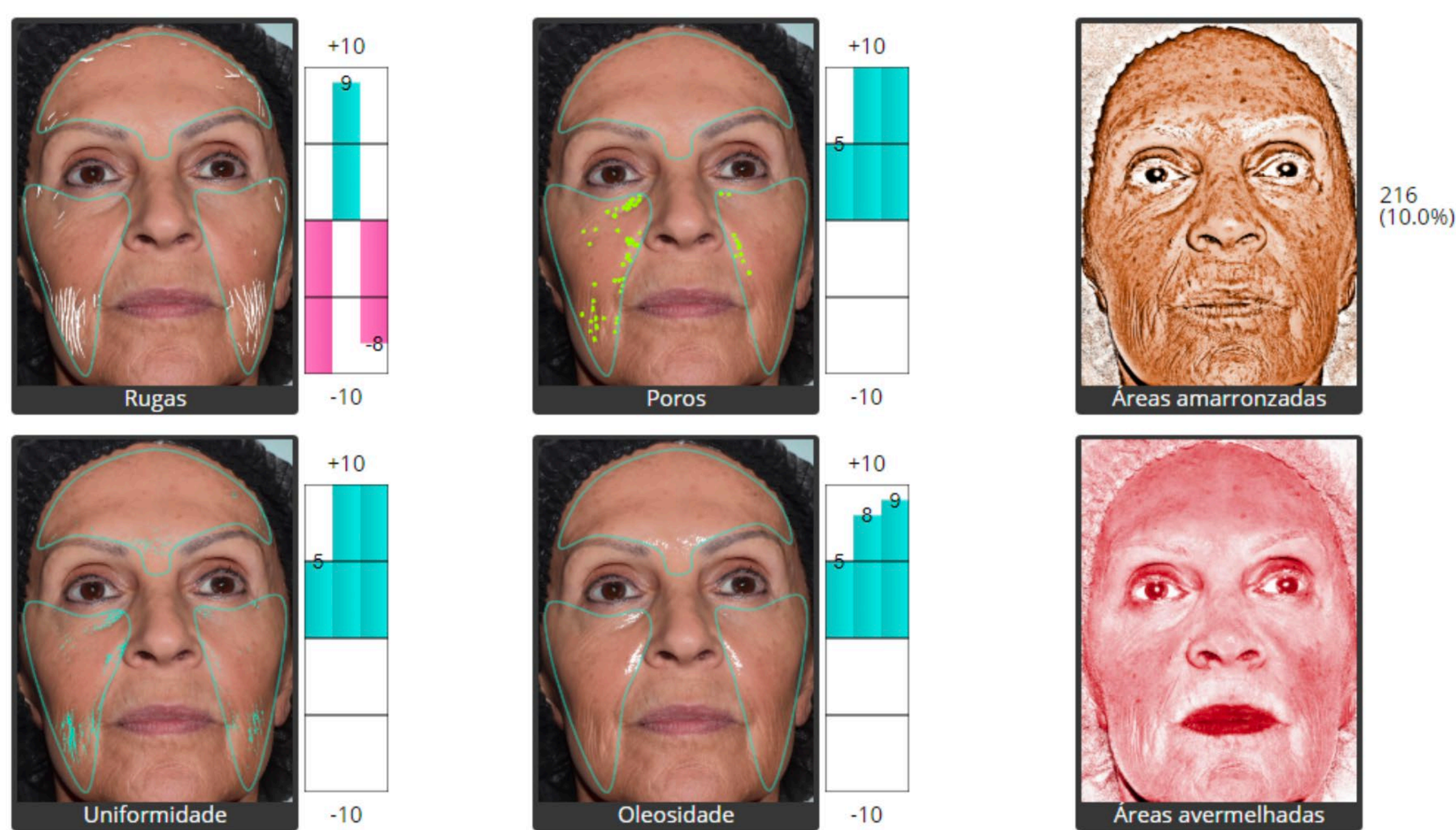


Image 1: Pertains to skin uniformity parameters and features such as tone, texture, pigmentation, and the absence of blemishes or imperfections. Before and after Lavieen sessions.

A comprehensive skincare assessment was conducted, involving various parameters:

- **Wrinkles:** Measurement of depth, length, and width of prominent wrinkles within the region of interest.
- **Pores:** Evaluation of the deepest pores within the region of interest, expressed as a percentage of all identifiable pores.
- **Skin Texture:** Assessment of overall skin surface irregularities within the region of interest, taking into account variations in skin thickness.
- **Oiliness:** Identification of shiny areas of the skin, often associated with enlarged pores, highlighting sebaceous abnormalities.
- **Brown Spots:** Detection of areas with a high concentration of melanin, indicating potential signs of aging, sun damage, lentigo, freckles, warts, or similar skin conditions.
- **Red Spots:** Identification of areas displaying redness, including congenital signs, telangiectasia, rosacea, acne, rashes, scars, erythema, and other vascular and hemoglobin-related issues.

Scoring Definitions:

- **Skin Health Score:** Comparative assessment of skin health based on age, gender, and skin phototype matching.
- +10: Represents the top 2.5% of subjects in the analysis.
- +5: Represents the top 16% of subjects.
- 0: Represents the average.
- -5: Represents the bottom 16% of subjects.
- -10: Represents the bottom 2.5% of subjects.

RESULTS

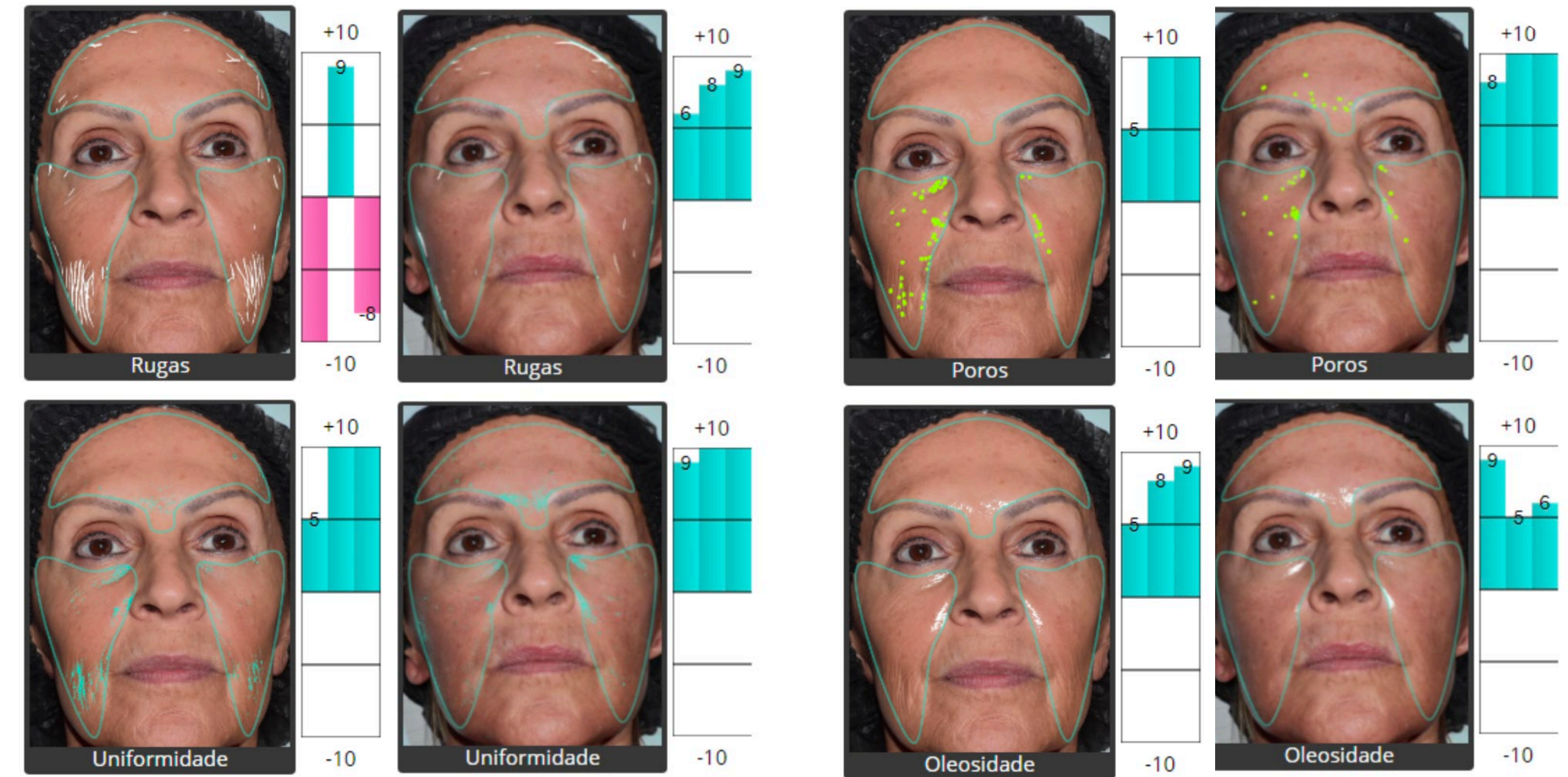


Image 2: the side-by-side comparison illustrates a significant improvement in perioral wrinkles, resulting in smoother and more uniform skin, with no significant alterations in pigment or texture.

Image 3: the comparative analysis showed slight improvement, considering that the patient had a higher number of open pores on the right side of the face.

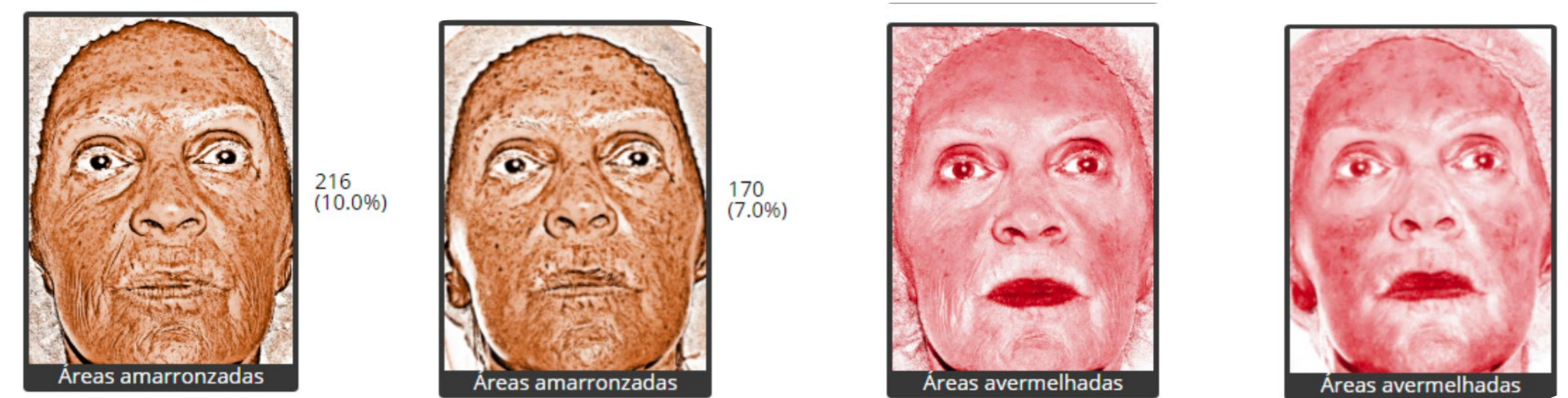


Image 4: Brown areas represent pigment spots (age spots, solar lentigines, or melasma). Initially, the patient had 216 spots (10% of the total). After Laser sessions, a 3% reduction was achieved, resulting in 170 spots (7% of the total).

Image 5: Red areas indicate skin inflammation, which may result from a dysfunction, allergy, or infection. No diagnosis was made either before or after the treatment.

The assessment of perioral wrinkles within the context of dentistry reveals a profound connection between oral health and overall well-being. Wrinkles around the mouth can exert far-reaching effects, from oral health implications to psychological and social ramifications. This case study underscores the importance of recognizing and addressing these concerns within the dental field.

By integrating skincare assessments and treatments into dental practice, dentists can play a pivotal role in enhancing the health and quality of life of their patients. Our findings demonstrate that reducing perioral wrinkles through treatments like Lavieen not only improves facial aesthetics but also alleviates potential oral health issues, enhances speech and articulation, and contributes to positive psychological well-being.



Image 6: a) Before b) After 30 days.

CONCLUSION

Recognizing the profound impact of perioral wrinkles and embracing innovative treatments within dentistry can lead to transformative outcomes, revolutionizing our approach to patient health and happiness.

The Lavieen® treatment, as showcased in our previous findings, serves as a compelling illustration of this holistic approach. Beyond its ability to enhance a patient's physical appearance, Lavieen® treatment also addresses critical health-related concerns. Through its effective reduction of wrinkle depth and prominence, Lavieen® treatment has the potential to contribute to improved oral health, heightened self-esteem, and an overall enhancement in the patient's quality of life.

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