

INTRODUCTION

Modern healthcare encompasses the pursuit of both aesthetic and functional enhancements in facial appearance. This scientific poster explores the synergy between Chemical Resurfacing and Facial Projection, highlighting their integration with dentistry. By uniting hyaluronic acid fillers and chemical peels, we delve into their impact on facial harmony and their interrelation with oral health. Facial aging results from diverse factors, including bone resorption, fat pad reabsorption, and reduced collagen and elastin levels. These changes culminate in wrinkles and diminished contours. Notably, bone resorption influences facial aesthetics and dentistry alike.

The interaction of bone loss and tooth decline affects lip sealing, heightens perioral wrinkles, and underscores oral rehabilitation's significance. In this poster, we present two cases demonstrating steps for improved outcomes. We explore two distinct clinical cases united by the goal of revitalizing age-related perioral and periocular wrinkles. Case one involves Biogelis Volume hyaluronic acid filler by Pharmaesthetics, while case two employs retinoic acid and trichloroacetic acid (TCA) for chemical resurfacing. These cases showcase our multifaceted approach to address facial aging complexities.

CASE 1

Hyaluronic Acid Filler for Facial Restructuring

A 62-year-old patient sought rejuvenation for perioral and periocular wrinkles due to aging. The treatment commenced with microfocused ultrasound (Fismatek Herus) utilizing 4.5 mm and 3.0 mm cartridges for collagen growth and skin tightening. After an interval of 30 days, the patient received 17 ml of HA Fillers (Biogelis Volume, Pharmaesthetics) for facial restructuring. This comprehensive approach aimed to synergize the effects of ultrasound therapy and dermal fillers for optimal outcomes.



PHOTO 1 - Patient 62 years old with no previous aesthetic procedure done before.

CASE 2

Chemical Resurfacing with Retinoic Acid and TCA

A 72-year-old smoker presented with perioral rhytids exacerbated by tooth loss. Following the placement of dental implants, a multi-step procedure was employed. Microneedling with growth factors, hyaluronic acid, niacinamide, and vitamin C was administered, followed by a 20% TCA peel with 40% TCA overlay and 10% retinoic acid. Subsequently, endolaser therapy (NeoV Fismatek) was performed after a 40-day recovery period. This integrative strategy aimed to address both textural irregularities and tissue retraction, while stimulating collagen production.



PHOTO 2 - Patient 72 years old, already with HA fillers and Botulin Toxin preview done with no chemical treatment

RESULTS



Result Case 1 - Patient undergone HA fillers of malar region, zygomatic arch, nasolabial fold, lips, chin, botulinum toxin and microfocused ultrasound Herus Hifu (Fismatek). The patient did not have a dental prosthesis but had considerable bone resorption in the maxilla and jawline.

RESULTS



Result Case 2 - Patient underwent TCA peeling, and NEOV endolaser was applied for deep collagen induction and skintightening for treat the perioral wrinkles that appeared due to his habits and loss of some dental elements.

RESULTS

The two presented cases illuminate the potential of combined approaches in facial rejuvenation. The first case showcased the remarkable impact of hyaluronic acid fillers coupled with microfocused ultrasound in achieving facial restructuring and rejuvenation. The second case underscored the effectiveness of chemical resurfacing, employing retinoic acid and TCA, in conjunction with implant dentistry, microneedling, and endolaser therapy.

CONCLUSION

Understanding the multifaceted nature of the aging process and its effects on facial structures is pivotal to achieving natural and sustainable rejuvenation. The presented cases exemplify the versatility of modern techniques in addressing diverse aesthetic and functional needs. By amalgamating technology, injections, and chemical peels, these cases emphasize the role of facial aesthetic procedures in yielding comprehensive results. As dentistry and facial aesthetics continue to converge, this poster highlights the holistic approach required to attain both aesthetic excellence and functional well-being.

REFERECES

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Patient allowed, through an informed consent term, the use of her images